

Safety Data Sheet

Complies with Annex II of REACH - Regulation (EU) 2020/878

SECTION 1. Identification of the substance/mixture and of the company/undertaking

1.1. Product identifier

Code: **V74920 - V74921**
Name: **GLUE**

1.2. Relevant identified uses of the substance or mixture and uses advised against

Description /Use: **Glue to be used for making creative games: slime, etc. Consumer use.**

1.3. Information on the supplier of the safety data sheet

Company: **CLEMENTONI Spa**
Address: **ZONA INDUSTRIALE FONTENOCE
62019 RECANATI (MC)
ITALIA**
tel.: **071 75811**
fax: **071 758123**
e-mail of the competent person responsible for the safety data sheet: **info@clementoni.it**
Responsible for placing on the market: **Reparto Tecnico**

1.4. Emergency telephone number (Italy)

For urgent information contact:
**Centro Antiveleni - Osp. Pediatrico Bambino Gesù - Dip. Emergenza e Accettazione
DEA - Roma - Tel. 06 68593726
Centro Antiveleni - Azienda Ospedaliera Universitaria - Foggia - Tel. 800183459
Centro Antiveleni - Azienda Ospedaliera A. Cardarelli - Napoli - Tel. 081 5453333
Centro Antiveleni - Policlinico Umberto I - Roma - Tel. 06 49978000
Centro Antiveleni - Policlinico A. Gemelli - Roma - Tel. 06 3054343
Centro Antiveleni - Azienda Ospedaliera Careggi U.O. Tossicologia Medica - Firenze
- Tel. 055 7947819
Centro Antiveleni - Centro Nazionale di Informazione Tossicologica - Pavia - Tel.
0382 24444
Centro Antiveleni - Ospedale Niguarda Cà Granda - Milano - Tel. 02 66101029
Centro Antiveleni - Azienda Ospedaliera Papa Giovanni XXII - Bergamo - Tel.
800883300
Centro Antiveleni - Azienda Ospedaliera Integrata Verona - Verona - Tel. 800011858**

SECTION 2. Hazards identification

2.1. Classification of the substance or mixture

The product is not classified as dangerous pursuant to the provisions of Regulation (EC) 1272/2008 (CLP).
The product, however, containing dangerous substances in concentrations such as to be declared in section n.3, requires a safety data sheet with adequate information, in compliance with Regulation (EU) 2020/878.

Hazard classification and indications: The product is not classified as dangerous pursuant to the provisions of Regulation (EC) 1272/2008 (CLP).

2.2. Label elements

Hazard labeling pursuant to Regulation (EC) 1272/2008 (CLP) and subsequent amendments and adjustments.

Hazard pictograms: None

Warnings: None

Hazard statements:

EUH210 Safety data sheet available on request.
EUH208 Contains: Imidazolidinyl urea
May produce an allergic reaction.

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SECTION 2. Hazards identification ... / >>							
Precautionary advice:		None					
2.3. Other dangers							
Based on available data, the product does not contain PBT or vPvB substances in percentages ≥ 0.1%.							
The product does not contain substances with properties that interfere with the endocrine system in concentrations ≥ 0.1%.							
SECTION 3. Composition / information on ingredients							
3.1. Substance							
Not relevant information							
3.2. Mixture							
Contains:							
Identification	x = Conc. %	Classification 1272/2008 (CLP)					
GLYCEROL							
INDEX	8,5 ≤ x < 10,5						
CE	200-289-5						
CAS	56-81-5						
2-PHENOXYETHANOL		Acute Tox. 4 H302, Eye Dam. 1 H318, STOT SE 3 H335 LD50 Orale: 1840 mg/kg					
INDEX	603-098-00-9				0,5 ≤ x < 0,6		
CE	204-589-7						
CAS	122-99-6						
Imidazolidinyl urea		Skin Sens. 1B H317					
INDEX					0,1 ≤ x < 0,25		
CE	254-372-6						
CAS	39236-46-9						
PROPYLENE GLYCOL							
INDEX					0,05 ≤ x < 0,1		
CE	200-338-0						
CAS	57-55-6						
3-iodo-2-propynyl butylcarbamate		Acute Tox. 3 H331, Acute Tox. 4 H302, STOT RE 1 H372, Eye Dam. 1 H318, Skin Sens. 1 H317, Aquatic Acute 1 H400 M=10, Aquatic Chronic 1 H410 M=1 LD50 Oral: 1056 mg/kg, STA Inhalation of mists/dusts: 0,501 mg/l					
INDEX	616-212-00-7				0 ≤ x < 0,05		
CE	259-627-5						
CAS	55406-53-6						
The complete text of the hazard indications (H) is shown in section 16 of the sheet.							
SECTION 4. First aid measures							
4.1. Description of first aid measures							
EYES: Remove any contact lenses. Wash immediately and abundantly with water for at least 15 minutes, opening the eyelids wide. Consult your doctor if irritation or other eye problems occur.							
SKIN: Wash with warm water and soap. Consult your doctor in the event of the first manifestation of allergic symptoms.							
INHALATION: Move the subject into fresh air. Call a doctor immediately.							
INGESTION: Call a doctor immediately. Do not induce vomiting. Do not administer anything that is not expressly authorized by the doctor himself.							
4.2. Most important symptoms and effects, both acute and delayed							
In some cases, allergic effects due to contact with the skin cannot be excluded.							
4.3. Indication of any need to immediately consult a doctor and special treatments							
Consult your doctor in case of:							
- EYES: onset of irritation or other eye problems.							
- SKIN: first manifestation of allergic symptoms.							
- INHALATION: manifestation of breathing difficulties.							

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- INGESTION: Call a doctor immediately.			
SECTION 5. Firefighting measures			
5.1. Extinguishing media			
SUITABLE EXTINGUISHING MEDIA The extinguishing media are the traditional ones: carbon dioxide, foam, powder and nebulized water.			
UNSUITABLE EXTINGUISHING MEDIA No one in particular.			
5.2. Special hazards arising from the substance or mixture			
HAZARDS CAUSED BY EXPOSURE IN THE EVENT OF FIRE Avoid breathing combustion products.			
5.3. Advice for firefighters			
GENERAL INFORMATION Cool the containers with jets of water to avoid product decomposition and the development of substances potentially hazardous to health. Always wear full fire protection equipment. Collect the extinguishing water which must not be discharged into the sewers. Dispose of the contaminated water used for extinguishing and the residue of the fire according to current regulations.			
EQUIPMENT Normal clothing for firefighting, such as an open circuit compressed air breathing apparatus (EN 137), flame retardant suit (EN469), flame retardant gloves (EN 659) and fire brigade boots (HO A29 or A30).			
SECTION 6. Accidental release measures			
6.1. Personal precautions, protective equipment and emergency procedures			
In case of vapors or dust dispersed in the air, wear respiratory protection. These indications are valid both for workers and for emergency interventions.			
6.2. Environmental precautions			
Prevent the product from entering sewers, surface water, groundwater.			
6.3. Methods and materials for containment and cleaning up			
Dike with earth or inert material. Collect most of the material and eliminate the residue with jets of water. Disposal of contaminated material must be carried out in accordance with the provisions of point 13.			
6.4. Reference to other sections			
Any information regarding personal protection and disposal is given in sections 8 and 13.			
SECTION 7. Handling and storage			
7.1. Precautions for safe handling			
Handle the product after consulting all other sections of this safety data sheet. Avoid dispersing the product into the environment. Do not eat, drink or smoke during use.			
7.2. Conditions for safe storage, including any incompatibilities			
Keep product in clearly labeled containers. Store containers away from any incompatible materials, checking section 10.			
7.3. Specific end use(s)			
Use for making creative games, such as slime. When using, follow the precautions set out in points 7.1 and 7.2 of this document.			

Clementoni

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V74920 - V74921 - GLUE

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SECTION 8. Exposure controls/personal protection

8.1. Control parameters

Normative requirements:

AUS	Österreich	Gesamte Rechtsvorschrift für Grenzwerteverordnung 2021 , Fassung vom 17.06.2021
CHE	Suisse / Schweiz	Valeurs limites d'exposition aux postes de travail: VME/VLE (SUVA). Grenzwerte am Arbeitsplatz: MAK (SUVA)
DEU	Deutschland	Technischen Regeln für Gefahrstoffe (TRGS 900) - Liste der Arbeitsplatzgrenzwerte und Kurzzeitwerte. MAK- und BAT-Werte-Liste 2020, Ständige Senatskommission zur Prüfung gesundheitsschädlicher Arbeitsstoffe, Mitteilung 56
FIN	Suomi	HTP-VÄRDEN 2020. Koncentrationer som befunnits skadliga. SOCIAL - OCH HÄLSOVÄRDSMINISTERIETS PUBLIKATIONER 2020:25
HRV	Hrvatska	Pravilnik o izmjenama i dopunama Pravilnika o zaštiti radnika od izloženosti opasnimkemikalijama na radu, graničnim vrijednostima izloženosti i biološkim graničnim vrijednostima (NN 1/2021)
IRL	Éire	2020 Code of Practice for the Safety, Health and Welfare at Work (Chemical Agents) Regulations (2001-2015) and the Safety, Health and Welfare at Work (Carcinogens) Regulations (2001-2019)
LTU	Lietuva	Jsakymas dėl lietuvos higienos normos hn 23:2011 „cheminių medžiagų profesinio poveikio ribiniai dydžiai. Matavimo ir poveikio vertinimo bendrieji reikalavimai“ patvirtinimo
LVA	Latvija	Grozījumi Ministru kabineta 2007. gada 15. maija noteikumos Nr. 325 "Darba aizsardzības prasības saskarē ar ķīmiskajām vielām darba vietās" (prot. Nr. 32 18. §; prot. Nr. 1 22. §)
NOR	Norge	Forskrift om endring i forskrift om tiltaksverdier og grenseverdier for fysiske og kjemiske faktorer i arbeidsmiljøet samt smitterisikogrupper for biologiske faktorer (forskrift om tiltaks- og grenseverdier), 21. august 2018 nr. 1255
POL	Polska	Rozporządzenie ministra rozwoju, pracy i technologii z dnia 18 lutego 2021 r. Zmieniające rozporządzenie w sprawie najwyższych dopuszczalnych stężeń i natężeń czynników szkodliwych dla zdrowia w środowisku pracy
SVN	Slovenija	Pravilnik o varovanju delavcev pred tveganji zaradi izpostavljenosti kemičnim snovem pri delu (Uradni list RS, št. 100/01, 39/05, 53/07, 102/10, 43/11 – ZVZD-1, 38/15, 78/18 in 78/19)
GBR	United Kingdom	EH40/2005 Workplace exposure limits (Fourth Edition 2020)

GLYCEROL

Predicted concentration of no effect on the environment - PNEC

Reference value in fresh water	NPI
Reference value in sea water	NPI
Reference value for sediments in fresh water	NPI
Reference value for sediments in sea water	NPI
Reference value for sea water, intermittent release	NPI
Reference value for fresh water, intermittent release	NPI
Reference value for STP microorganisms	NPI
Reference value for the terrestrial compartment	NPI
Reference value for the atmosphere	NPI

Health - Derived no-effect level - DNEL / DMEL

Route of Exposure	Effects on consumers		Effects on workers					
	Local acute	Systemic acute	Local chronic	Systemic chronic	Local acute	Systemic acute	Local chronic	Systemic chronic
Oral		NPI		NPI				
Inhalation	NPI	NPI	NPI	NPI	NPI	NPI	NPI	NPI
Dermal	NPI	NPI	NPI	NPI	NPI	NPI	NPI	NPI

SECTION 8. Exposure controls/personal protection

... / >>

2-PHENOXYETHANOL

Threshold limit value

Type	State	TWA/8h		STEL/15min		Notes / Observations
		mg/m3	ppm	mg/m3	ppm	
MAK	AUS	110	20	110 (C)	20 (C)	
MAK	CHE	110	20	110	20	
VME/VLE	CHE	110	20	110	20	
AGW	DEU	5,7	1	5,7 (C)	1 (C)	
MAK	DEU	5,7	1	5,7	1	
HTP	FIN	110	20	290	50	PELLE
NDS/NDSch	POL	230				
MV	SVN	110	20	110	20	PELLE

Predicted concentration of no effect on the environment - PNEC

Reference value in fresh water	0,943	mg/l
Reference value in sea water	0,094	mg/l
Reference value for sediments in fresh water	7237	mg/kg/d
Reference value for sediments in sea water	0,724	mg/kg/d
Reference value for sea water, intermittent release	3,44	mg/l
Reference value for STP microorganisms	36	mg/l
Reference value for the terrestrial compartment	1,31	mg/kg/d
Reference value for the atmosphere	NPI	

Health - Derived no-effect level - DNEL / DMEL

Route of Exposure	Effects on consumers				Effects on workers			
	Local acute	Systemic acute	Local chronic	Systemic chronic	Local acute	Systemic acute	Local chronic	Systemic chronic
Oral		9,23 mg/kg bw/d		9,23 mg/kg bw/d				
Inhalation	NPI	NPI	2,41 mg/m3	2,41 mg/m3	NPI	NPI	5,7 mg/m3	5,7 mg/m3
Dermal	NPI	NPI	NPI	10,42 mg/kg bw/d	NPI	NPI	NPI	20,83 mg/kg bw/d

Imidazolidinyl urea

Predicted concentration of no effect on the environment - PNEC

Reference value in fresh water	0,00578	mg/l
Reference value in sea water	0,00058	mg/l
Reference value for sediments in fresh water	0,08878	mg/kg/d
Reference value for sediments in sea water	0,00888	mg/kg/d
Reference value for sea water, intermittent release	0,0578	mg/l
Reference value for STP microorganisms	20	mg/l
Reference value for the terrestrial compartment	0,01435	mg/kg/d
Reference value for the atmosphere	NPI	

Health - Derived no-effect level - DNEL / DMEL

Route of Exposure	Effects on consumers				Effects on workers			
	Local acute	Systemic acute	Local chronic	Systemic chronic	Local acute	Systemic acute	Local chronic	Systemic chronic
Oral				1,4 mg/kg bw/d				
Inhalation	LOW	LOW	LOW	LOW	NPI	45,5 mg/m3	NPI	24,5 mg/m3
Dermal	LOW	LOW	LOW	LOW	MED	160 mg/kg bw/d	MED	2,8 mg/kg bw/d

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PROPYLENE GLYCOL								
Threshold limit value								
Type	State	TWA/8h		STEL/15min		Notes / Observations		
		mg/m3	ppm	mg/m3	ppm			
GVI/KGVI	HRV	474	150			Particulates		
OELV	IRL	10						
RD	LTU	7						
RV	LVA	7						
TLV	NOR	79	25					
NDS/NDSch	POL	100				INALAB		
WEL	GBR	10						
						Particulates		

Predicted concentration of no effect on the environment - PNEC

Reference value in fresh water	260	mg/l
Reference value in sea water	26	mg/l
Reference value for sediments in fresh water	572	mg/kg/d
Reference value for sediments in sea water	57,2	mg/kg/d
Reference value for sea water, intermittent release	183	mg/l
Reference value for STP microorganisms	20000	mg/l
Reference value for the terrestrial compartment	50	mg/kg/d
Reference value for the atmosphere	NPI	

Health - Derived no-effect level - DNEL / DMEL

Route of Exposure	Effects on consumers				Effects on workers			
	Local acute	Systemic acute	Local chronic	Systemic chronic	Local acute	Systemic acute	Local chronic	Systemic chronic
Oral		NPI		NPI				
Inhalation	NPI	NPI	10 mg/m3	50 mg/m3	NPI	NPI	10 mg/m3	168 mg/m3
Dermal	NPI	NPI	NPI	NPI	NPI	NPI	NPI	NPI

3-iodo-2-propynyl butylcarbamate

Predicted concentration of no effect on the environment - PNEC

Reference value in fresh water	0,001	mg/l
Reference value in sea water	0	mg/l
Reference value for sediments in fresh water	0,017	mg/kg/d
Reference value for sediments in sea water	0,002	mg/kg/d
Reference value for sea water, intermittent release	0,001	mg/l
Reference value for fresh water, intermittent release	0,001	mg/l
Reference value for STP microorganisms	0,44	mg/l
Reference value for the terrestrial compartment	0,005	mg/kg/d
Reference value for the atmosphere	NPI	

Health - Derived no-effect level - DNEL / DMEL

Route of Exposure	Effects on consumers				Effects on workers			
	Local acute	Systemic acute	Local chronic	Systemic chronic	Local acute	Systemic acute	Local chronic	Systemic chronic
Oral		NPI		NPI				
Inhalation	NPI	NPI	NPI	NPI	1,16 mg/m3	0,070 mg/m3	1,16 mg/m3	0,023 mg/m3
Dermal	NPI	NPI	NPI	NPI	HIGH	NPI	HIGH	2 mg/kg bw/d

Legend:
(C) = CEILING ; INALAB = Inhalable Fraction; RESPIR = Respirable Fraction; TORAC = Thoracic Fraction.
VND = hazard identified but no DNEL/PNEC available; NEA = no expected exposure; NPI = no hazard identified
; LOW = low danger; MED = medium danger; HIGH = high danger.

8.2. Exposure controls

Considering that the use of adequate technical measures should always take priority over personal protective equipment, ensure good ventilation in the workplace through effective local extraction.

HAND PROTECTION

Protect your hands with category III work gloves.

For the final choice of the material of work gloves (ref. standard EN 374) the following must be considered: compatibility, degradation, breakage and permeation time.

In the case of preparations, the resistance of work gloves to chemical agents must be checked before use as it is unpredictable. The gloves have a wear time that depends on the duration and method of use.

SKIN PROTECTION

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SECTION 8. Exposure controls/personal protection ... / >>																																																																		
Wear work clothes with long sleeves and safety footwear for professional category I use (ref. Regulation 2016/425 and standard EN ISO 20344). Wash with soap and water after removing protective clothing. EYE PROTECTION We recommend wearing airtight protective glasses (ref. standard EN 166). RESPIRATORY PROTECTION If the threshold value (e.g. TLV-TWA) of the substance or one or more of the substances present in the product is exceeded, it is recommended to wear a mask with a type A filter whose class (1, 2 or 3) must be chosen in relation to the limit concentration of use. (ref. standard EN 14387). If gases or vapors of a different nature and/or gases or vapors with particles (aerosols, fumes, mists, etc.) are present, combined filters must be provided. The use of respiratory protection means is necessary if the technical measures adopted are not sufficient to limit the worker's exposure to the threshold values taken into consideration. However, the protection offered by masks is limited. In the event that the substance considered is odorless or its olfactory threshold is higher than the relevant TLV-TWA and in case of emergency, wear an open-circuit compressed air breathing apparatus (ref. standard EN 137) or a self-contained breathing apparatus external air (ref. EN 138 standard). For the correct choice of respiratory protection device, refer to the EN 529 standard. ENVIRONMENTAL EXPOSURE CONTROLS Emissions from production processes, including those from ventilation equipment, should be controlled for compliance with environmental protection legislation.																																																																		
SECTION 9. Physical and chemical properties																																																																		
9.1. Information on basic physical and chemical properties																																																																		
<table><tr><th>Property</th><th>Value</th><th>Information</th></tr><tr><td>Physical state</td><td>liquid</td><td></td></tr><tr><td>Color</td><td>transparent - light yellow</td><td></td></tr><tr><td>Odor</td><td>characteristic</td><td></td></tr><tr><td>Odor threshold</td><td>not determined</td><td></td></tr><tr><td>Melting or freezing point</td><td>-10 °C</td><td></td></tr><tr><td>Initial boiling point</td><td>100 °C</td><td></td></tr><tr><td>Flammability</td><td>not inflammable</td><td></td></tr><tr><td>Lower explosive limit</td><td>Not applicable</td><td></td></tr><tr><td>Upper explosive limit</td><td>Not applicable</td><td></td></tr><tr><td>Flash point</td><td>> 93 °C</td><td></td></tr><tr><td>Auto-ignition temperature</td><td>Not applicable</td><td></td></tr><tr><td>Decomposition temperature</td><td>not determined</td><td></td></tr><tr><td>pH</td><td>6,3 - 7,7</td><td></td></tr><tr><td>Kinematic viscosity</td><td>not determined</td><td></td></tr><tr><td>Dynamic viscosity</td><td>600 - 1100 mPas</td><td></td></tr><tr><td>Solubility</td><td>completely miscible in waterfall</td><td></td></tr><tr><td>Partition coefficient: n-octanol/water:</td><td>Not applicable</td><td></td></tr><tr><td>Vapor pressure</td><td>not available</td><td></td></tr><tr><td>Density and/or Relative density</td><td>1,005 - 1,01 g/cm3</td><td></td></tr><tr><td>Relative vapor density</td><td>not determined</td><td></td></tr><tr><td>Characteristics of the particles</td><td>Not applicable</td><td></td></tr></table>	Property	Value			Information	Physical state	liquid		Color	transparent - light yellow		Odor	characteristic		Odor threshold	not determined		Melting or freezing point	-10 °C		Initial boiling point	100 °C		Flammability	not inflammable		Lower explosive limit	Not applicable		Upper explosive limit	Not applicable		Flash point	> 93 °C		Auto-ignition temperature	Not applicable		Decomposition temperature	not determined		pH	6,3 - 7,7		Kinematic viscosity	not determined		Dynamic viscosity	600 - 1100 mPas		Solubility	completely miscible in waterfall		Partition coefficient: n-octanol/water:	Not applicable		Vapor pressure	not available		Density and/or Relative density	1,005 - 1,01 g/cm3		Relative vapor density	not determined		Characteristics of the particles
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SECTION 9. Physical and chemical properties ... / >>

9.2.2. Additional safety features	
Total solids (250°C / 482°F)	19,71 %
VOC (Directive 2010/75/EU)	9,58 %
VOC (volatile carbon)	3,75 %
Explosive properties	the product does not present a risk of explosion
Oxidizing properties	not relevant to the product in question

SECTION 10. Stability and reactivity

10.1. Reactivity

There are no particular risks of reaction with other substances in normal conditions of use.

2-PHENOXYETHANOL
In 1% water it reacts weakly acidic (pH=6).

PROPYLENGLYCOL
Hygroscopic. Stable in normal conditions of use and storage.
At high temperatures it tends to oxidize to give propionaldehyde and lactic and acetic acid.

10.2. Chemical stability

The product is stable under normal conditions of use and storage.

10.3. Possibility of hazardous reactions

In normal conditions of use and storage no dangerous reactions are foreseeable.

PROPYLENGLYCOL
It can react dangerously with: acid chlorides, acid anhydrides, oxidizing agents.

10.4. Conditions to avoid

None in particular. However, follow the usual precautions against chemicals.

10.5. Incompatible materials

2- PHENOXYETHANOL
Incompatible with: strong oxidants.

10.6. Hazardous decomposition products

PROPYLENGLYCOL
It can develop: carbon oxides.

SECTION 11. Toxicological information

In the absence of experimental toxicological data on the product itself, any health hazards of the product were assessed based on the properties of the substances contained, according to the criteria established by the reference legislation for classification. Therefore, consider the concentration of the individual dangerous substances possibly mentioned in section. 3, to evaluate the toxicological effects deriving from exposure to the product.

11.1. Information on the hazard classes defined in Regulation (EC) no. 1272/2008

Metabolism, kinetics, mechanism of action and other information

Information not available

Information on likely routes of exposure

- EYES: signs of irritation or other eye problems may arise.
- SKIN: may cause an allergic reaction.
- INHALATION: may cause an allergic reaction.
- INGESTION: may cause an allergic reaction, abdominal pain, nausea and/or vomiting.

Delayed and immediate effects and chronic effects from short and long term exposure

Frequent and prolonged contact with skin and eyes may cause an allergic reaction.

Interactive effects

SECTION 11. Toxicological information ... / >>

There is no known information on interactive effects of the substances contained in the product.

ACUTE TOXICITY

ATE (Inhalation) of the mixture:	Not classified (no relevant components)
ATE (Oral) of the mixture:	Not classified (no relevant components)
ATE (Dermal) of the mixture:	Not classified (no relevant components)

Polyvinyl alcohol - partially hydrolysed	
LD50 (Oral):	> 20000 mg/kg rat

GLYCEROL	
LD50 (Dermal):	45 ml/kg guinea pigs
LD50 (Oral):	> 11500 mg/kg
LC50 (Inhalation of vapours):	> 5,85 mg/l/4h rat

2- PHENOXYETHANOL	
LD50 (Dermal):	> 2000 mg/kg rat
LD50 (Oral):	1840 mg/kg rat
LC50 (Inhalation of vapours):	> 1 mg/l/6h rat

Imidazolidinyl urea	
LD50 (Dermal):	8000 mg/kg rabbit
LD50 (Oral):	5200 mg/kg rat

PROPYLENE GLYCOL	
LD50 (Dermal):	2000 mg/kg rabbit
LD50 (Oral):	22000 mg/kg rat
LC50 (Inhalation of vapours):	44,9 mg/l/4h rat

3-iodo-2-propynyl butylcarbamate	
LD50 (Dermal):	2000 mg/kg rabbit
LD50 (Oral):	1056 mg/kg rat
LC50 (Inhalation of mists/dusts):	670 mg/l/4h rat

CORROSION / SKIN IRRITATION

It does not meet the classification criteria for this hazard class

SERIOUS EYE DAMAGE / EYE IRRITATION

It does not meet the classification criteria for this hazard class

RESPIRATORY OR SKIN SENSITIZATION

May produce an allergic reaction.

Contains:

Imidazolidinyl urea

MUTAGENICITY ON GERMINAL CELLS

It does not meet the classification criteria for this hazard class

CARCINOGENICITY

It does not meet the classification criteria for this hazard class

REPRODUCTION TOXICITY

It does not meet the classification criteria for this hazard class

SPECIFIC TARGET ORGAN TOXICITY (STOT) – SINGLE EXPOSURE

It does not meet the classification criteria for this hazard class

SPECIFIC TARGET ORGAN TOXICITY (STOT) – REPEATED EXPOSURE

It does not meet the classification criteria for this hazard class

DANGER IN CASE OF SUCTION

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It does not meet the classification criteria for this hazard class			
11.2. Information on other hazards			
Based on available data, the product does not contain substances listed in the main European lists of potential or suspected endocrine disruptors with effects on human health being evaluated.			
SECTION 12. Ecological information			
Use according to good working practices, avoiding dispersing the product into the environment. Notify the competent authorities if the product has reached watercourses or if it has contaminated the soil or vegetation.			
12.1. Tossicità			
3-iodo-2-propynyl butylcarbamate			
LC50 - Pisces	0,41 mg/l/96h		
EC50 - Crustaceans	0,645 mg/l/48h		
EC50 - Algae / Aquatic Plants	0,046 mg/l/72h		
Chronic NOEC Fish	0,14 mg/l		
Chronic NOEC Crustaceans	0,076 mg/l		
Chronic NOEC Algae / Aquatic Plants	0,0046 mg/l		
2- PHENOXYETHANOL			
LC50 - Pesci	344 mg/l/96h		
EC50 - Crustaceans	488 mg/l/48h daphnia magna		
EC50 - Algae / Aquatic Plants	> 100 mg/l/72h		
Chronic NOEC Fish	24 mg/l/34d pimephales promelas		
Chronic NOEC Crustaceans	9,43 mg/l/21d daphnia magna		
Chronic NOEC Algae / Aquatic Plants	46 mg/l		
PROPYLENE GLYCOL			
LC50 - Pisces	40,613 g/l/96h		
EC50 - Crustaceans	18,8 g/l/48h		
EC50 - Algae / Aquatic Plants	19 g/l/72h		
Chronic NOEC Crustaceans	> 13,02 g/l		
Chronic NOEC Algae / Aquatic Plants	> 5,3 g/l		
GLYCEROL			
LC50 - Pisces	54 g/l/96h		
EC50 - Crostacei	10 mg/l/48h		
Imidazolidinyl urea			
LC50 - Pisces	220 mg/l/96h		
EC50 - Crustaceans	58 mg/l/48h		
EC50 - Algae / Aquatic Plants	5,78 mg/l/72h		
Chronic NOEC Algae / Aquatic Plants	1,6 mg/l		
Polyvinyl alcohol - partially hydrolysed			
LC50 - Pisces	40 g/l/96h pimephales promelas		
EC50 - Crustaceans	8300 mg/l/48h daphnia magna		
12.2. Persistence and degradability			
3-iodo-2-propynyl butylcarbamate			
Solubility in water	168 mg/l @20°C		
NOT rapidly degradable			
2- PHENOXYETHANOL			
Solubility in water	25 g/l @20°C		
Rapidly degradable			
PROPYLENE GLYCOL			
Solubility in water	100 vol% @20°C and pH 7,1-7,8		
Rapidly degradable			
GLYCEROL			
Solubility in water	1000 g/l @25°C		
Rapidly degradable			

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SECTION 12. Ecological information ... / >>				
Imidazolidinyl urea Solubility in water1000 g/l @20°C Inerentemente degradabile				
12.3. Bioaccumulation potential				
3-iodo-2-propynyl butylcarbamate Partition coefficient: n-octanol/water2,81 Log Kow @25°C				
2- PHENOXYETHANOL Partition coefficient: n-octanol/water1,2 Log Kow @23°C BCF0,3493				
PROPYLENE GLYCOL Partition coefficient: n-octanol/water-1,07 BCF0,09				
GLYCEROL Partition coefficient: n-octanol/water-1,75 Log Kow @25°C and pH 7,4				
Imidazolidinyl urea Partition coefficient: n-octanol/water0,9 Log Kow @20°C				
12.4. Mobility in soil				
2- PHENOXYETHANOL Partition coefficient: soil/water1,6				
PROPYLENE GLYCOL Partition coefficient: soil/water0,46				
12.5. Results of PBT and vPvB assessment				
Based on available data, the product does not contain PBT or vPvB substances in percentage ≥ 0.1%.				
12.6. Properties of interference with the endocrine system				
Based on available data, the product does not contain substances listed in the main European lists of potential or suspected endocrine disruptors with effects on the environment being evaluated.				
12.7. Other adverse effects				
No other adverse effects are known.				
SECTION 13. Disposal considerations				
13.1. Waste treatment methods				
Reuse if possible. Residues of the product as such are to be considered non-hazardous special waste. Disposal must be entrusted to a company authorized to manage waste, in compliance with national and possibly local regulations. CONTAMINATED PACKAGING Contaminated packaging must be sent for recovery or disposal in compliance with national waste management regulations.				
SECTION 14. Transport information				
The product is not to be considered dangerous pursuant to the provisions in force on the transport of dangerous goods by road (A.D.R.), by rail (RID), by sea (IMDG Code) and by air (IATA).				
14.1. UN Number or ID number				
not applicaile				
14.2. UN proper shipping name				
not applicaile				

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SECTION 14. Transport information ... / >>

14.3. Transport hazard class(es)

not applicaile

14.4. Packaging group

not applicaile

14.5. Environmental hazards

not applicaile

14.6. Special precautions for user

not applicaile

14.7. Bulk shipping in accordance with IMO acts

Product not intended to be transported in bulk.

SECTION 15. Regulatory information

15.1. Safety, health and environmental regulations/legislation specific for the substance or mixture

Seveso Category - Directive 2012/18/EC:None

Restrictions relating to the product or the substances contained according to Annex XVII Regulation (EC) 1907/2006

Contained substances

Point	75	3-iodo-2-propynyl butylcarbamate
Point	75	2- PHENOXYETHANOL

Regulation (EC) Nr. 2019/1148 - concerning the placing on the market and use of explosives precursors
not applicaile

Substances in Candidate List (Art. 59 REACH)
Based on available data, the product does not contain SVHC substances in percentage ≥ 0.1%.

Substances subject to authorization (Annex XIV REACH)
None

Substances subject to export notification obligation Reg. (EC) 649/2012::
None

Substances subject to the Rotterdam Convention:
None

Substances subject to the Stockholm Convention:
None

Sanitary checks
The product is not classified as dangerous pursuant to the provisions of Regulation (EC) 1272/2008 (CLP).
Therefore, it is advisable to subject the subject to health checks in case of onset of adverse manifestations due to exposure to the product.

15.2. Chemical safety assessment

A chemical safety assessment has not been developed for the mixture / substances indicated in section 3.

SECTION 16. Other information

Text of the hazard statements (H) mentioned in sections 2-3 of the sheet:

Acute Tox. 3	Acute toxicity, category 3
Acute Tox. 4	Acute toxicity, category 4
STOT RE 1	Specific target organ toxicity - repeated exposure, category 1
Eye Dam. 1	Serious eye damage, category 1
STOT SE 3	Specific target organ toxicity - single exposure, category 3
Skin Sens. 1	Skin sensitization, category 1
Skin Sens. 1B	Skin sensitization, category 1B
Aquatic Acute 1	Dangerous for the aquatic environment, acute toxicity, category 1
Aquatic Chronic 1	Dangerous for the aquatic environment, chronic toxicity, category 1
H331	Toxic if inhaled.
H302	Harmful if swallowed.
H372	Causes damage to organs through prolonged or repeated exposure.
H318	Causes serious eye damage.
H335	May cause respiratory irritation.
H317	May cause an allergic skin reaction.
H400	Very toxic to aquatic life.
H410	Very toxic to aquatic life with long lasting effects.
EUH210	Safety data sheet available on request.

LEGEND:

- ADR: European Agreement for the transport of dangerous goods by road
- CAS: Chemical Abstract Service Number
- CE: Identification number in ESIS (European archive of existing substances)
- CLP: Regulation (EC) 1272/2008
- DNEL: Derived no-effect level
- EC50: Concentration that gives effect to 50% of the population subject to testing
- EmS: Emergency Schedule
- GHS: Globally Harmonized System for the Classification and Labeling of Chemical Products
- IATA DGR: Regulations for the transport of dangerous goods of the International Air Transport Association
- IC50: Immobilization concentration of 50% of the population subject to testing
- IMDG: International Maritime Code for the Transport of Dangerous Goods
- IMO: International Maritime Organization
- INDEX: Identification number in Annex VI of CLP
- LC50: Lethal concentration 50%
- LD50: Lethal dose 50%
- OEL: Occupational exposure level
- PBT: Persistent, bioaccumulating and toxic according to REACH
- PEC: Predictable environmental concentration
- PEL: Predictable level of exposure
- PNEC: Predictable no-effect concentration
- REACH: Regulation (EC) 1907/2006
- RID: Regulations for the international transport of dangerous goods by train
- STA: Acute Toxicity Estimate
- TLV: Threshold limit value
- TLV CEILING: Concentration that must not be exceeded during any moment of occupational exposure.
- TWA: Weighted average exposure limit
- TWA STEL: Short-term exposure limit
- VOC: Volatile organic compound
- vPvB: Very persistent and very bioaccumulating according to REACH
- WGK: Aquatic hazard class (Germany).

GENERAL BIBLIOGRAPHY:

1. Regulation (EC) 1907/2006 of the European Parliament (REACH)
2. Regulation (EC) 1272/2008 of the European Parliament (CLP)
3. Regulation (EU) 2020/878 (Annex II of the REACH Regulation)
4. Regulation (EC) 790/2009 of the European Parliament (I Atp. CLP)
5. Regulation (EU) 286/2011 of the European Parliament (II Atp. CLP)
6. Regulation (EU) 618/2012 of the European Parliament (III Atp. CLP)
7. Regulation (EU) 487/2013 of the European Parliament (IV Atp. CLP)
8. Regulation (EU) 944/2013 of the European Parliament (V Atp. CLP)
9. Regulation (EU) 605/2014 of the European Parliament (VI Atp. CLP)
10. Regulation (EU) 2015/1221 of the European Parliament (VII Atp. CLP)
11. Regulation (EU) 2016/918 of the European Parliament (VIII Atp. CLP)
12. Regulation (EU) 2016/1179 (IX Atp. CLP)

SECTION 16. Other information ... / >>

13. Regulation (EU) 2017/776 (X Atp. CLP)
14. Regulation (EU) 2018/669 (XI Atp. CLP)
15. Regulation (EU) 2019/521 (XII Atp. CLP)
16. Delegated Regulation (EU) 2018/1480 (XIII Atp. CLP)
17. Regulation (EU) 2019/1148
18. Delegated Regulation (EU) 2020/217 (XIV Atp. CLP)
19. Delegated Regulation (EU) 2020/1182 (XV Atp. CLP)
20. Delegated Regulation (EU) 2021/643 (XVI Atp. CLP)
21. Delegated Regulation (EU) 2021/849 (XVII Atp. CLP)
22. Delegated Regulation (EU) 2022/692 (XVIII Atp. CLP)

- The Merck Index. - 10th Edition
- Handling Chemical Safety
- INRS - Fiche Toxicologique (toxicological sheet)
- Patty - Industrial Hygiene and Toxicology
- N.I. Sax - Dangerous properties of Industrial Materials-7, 1989 Edition
- IFA GESTIS website
- ECHA Agency website
- Database of SDS models of chemical substances - Ministry of Health and Istituto Superiore di Sanità

Note for the user:

The information contained in this sheet is based on the knowledge available to us at the date of the latest version. The user must ensure the suitability and completeness of the information in relation to the specific use of the product.

This document should not be interpreted as a guarantee of any specific property of the product.

Since the use of the product does not fall under our direct control, it is the user's obligation to observe the laws and regulations in force regarding hygiene and safety under his own responsibility. We do not assume responsibility for improper use.

Provide adequate training to personnel responsible for using chemical products.

CLASSIFICATION CALCULATION METHODS

Chemical-physical hazards: The classification of the product was derived from the criteria established by the CLP Regulation Annex I Part 2.

The methods of evaluation of the chemical-physical properties are reported in section 9.

Health hazards: Product classification is based on the calculation methods in Annex I of CLP Part 3, unless otherwise indicated in section 11.

Environmental hazards: The classification of the product is based on the calculation methods set out in Annex I of CLP Part 4, unless otherwise indicated in section 12.

Safety Data Sheet

SECTION 1. Identification of the substance/mixture and of the company/undertaking

1.1. Product identifier

Code:	V49358
Name	PINK COLOR POWDER
EC number	247-368-0
CAS number	25956-17-6

1.2. Relevant identified uses of the substance or mixture and uses advised against

Description /Use	Pink coloring powder for the creation of materials to be manipulated to be used in playful activities.
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1.3. Information on the supplier of the safety data sheet

Company	CLEMENTONI SPA	
Address	ZONA INDUSTRIALE FONTENOCE	
	62019 RECANATI	(MC)
	ITALIA	
	tel. 07175811	
	fax 071758123	

e-mail of the competent person responsible for the safety data sheet	info@clementoni.it
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Responsible for placing on the market:	Technical department
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1.4. Emergency telephone number (Italy)

For urgent information contact	Centro Antiveleni - Ospedale Niguarda - Milano - Tel 02 66101029
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SECTION 2. Hazards identification

2.1. Classification of the substance or mixture

The product is not classified as dangerous pursuant to the provisions of Regulation (EC) 1272/2008 (CLP) (and subsequent amendments and adjustments).

Hazard classification and indications:	--
--	----

2.2. Label elements

Hazard pictograms:	--
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Warnings:	--
-----------	----

Hazard statements:	--
--------------------	----

Precautionary advice:	--
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The product does not require hazard labeling pursuant to Regulation (EC) 1272/2008 (CLP) and subsequent amendments and adjustments.

2.3. Other dangers

Based on available data, the product does not contain PBT or vPvB substances in percentage $\geq 0.1\%$.

SECTION 3. Composition / information on ingredients

3.1. Substance

The product does not contain substances classified as dangerous for health or for the environment pursuant to the provisions of Regulation (EU) 1272/2008 (CLP) (and subsequent amendments and adjustments) in quantities that require a declaration.

SECTION 3. Composition / information on ingredients .. / >>**3.2. Mixture**

Not relevant information

SECTION 4. First aid measures**4.1. Description of first aid measures**

Not specifically necessary. In any case, compliance with the rules of good industrial hygiene is recommended.

4.2. Most important symptoms and effects, both acute and delayed

There are no known episodes of damage to health attributable to the product.

4.3. Indication of any immediate medical attention and special treatment needed

Information not available

SECTION 5. Firefighting measures**5.1. Extinguishing media**

SUITABLE EXTINGUISHING MEDIA

The extinguishing media are the traditional ones: carbon dioxide, foam, powder and nebulized water.

UNSUITABLE EXTINGUISHING MEDIA

No one in particular.

5.2. Special hazards arising from the substance or mixture

HAZARDS CAUSED BY EXPOSURE IN THE EVENT OF FIRE

Avoid breathing combustion products. The product is combustible and, when the powders are dispersed in the air in sufficient concentrations and in the presence of a source of ignition, it can give explosive mixtures with the air. The fire can develop or be further fueled by the solid, possibly escaping from the container, when it reaches high temperatures or by contact with ignition sources.

5.3. Advice for firefighters

GENERAL INFORMATION

Cool the containers with jets of water to avoid product decomposition and the development of substances potentially hazardous to health.

Always wear full fire protection equipment. Collect the extinguishing water which must not be discharged into the sewers. Dispose of the contaminated water used for extinguishing and the residue of the fire according to current regulations.

EQUIPMENT

Normal clothing for firefighting, such as an open circuit compressed air breathing apparatus (EN 137), flame retardant suit (EN469), flame retardant gloves (EN 659) and fire brigade boots (HO A29 or A30).

SECTION 6. Accidental release measures**6.1. Personal precautions, protective equipment and emergency procedures**

In case of vapors or dust dispersed in the air, adopt respiratory protection. These indications are valid both for the workers and for emergency interventions.

6.2. Environmental precautions

Prevent the product from entering sewers, surface water, groundwater.

6.3. Methods and material for containment and cleaning up

Dike with earth or inert material. Collect most of the material and eliminate the residue with jets of water. The disposal of contaminated material must be carried out in accordance with the provisions of point 13.

6.4. Reference to other sections

Any information regarding personal protection and disposal is given in sections 8 and 13.

SECTION 7. Handling and storage**7.1. Precautions for safe handling**

Handle the product after consulting all the other sections of this safety data sheet. Avoid the dispersion of the product in the environment. Do not eat, drink or smoke during use.

SECTION 7. Handling and storage ... / >>

7.2. Conditions for safe storage, including any incompatibilities

Keep the product in clearly labeled containers. Keep containers away from any incompatible materials, checking section 10.

7.3. Specific end use(s)

Information not available

SECTION 8. Exposure controls/personal protection

8.1. Control parameters

FOOD RED 017

Predicted concentration of no effect on the environment - PNEC

Reference value in fresh water	0,1	mg/l
Reference value in sea water	0,01	mg/l
Reference value for sediments in fresh water	0,373	mg/kg/d
Reference value for sediments in sea water	0,0373	mg/kg/d
Reference value for water, intermittent release	1	mg/l
Reference value for the terrestrial compartment	0,0158	mg/kg/d

Health - Derived no-effect level - DNEL / DMEL

Exposure	Effects on consumers		Effects on workers					
	Local acute	Systemic acute	Local chronic	Systemic chronic	Local acute	Systemic acute	Local chronic	Systemic chronic
Oral				1,67 mg/kg bw/d				
Inhalation				2,9 mg/m3				16,4 mg/m3
Dermal				1,67 mg/kg bw/d				4,67 mg/kg bw/d

VND = hazard identified but no DNEL / PNEC available; NEA = no exposure expected; NPI = no hazard identified.

It is recommended to consider in the risk assessment process the occupational exposure limit values provided by the ACGIH for inert dusts not otherwise classified (PNOC respirable fraction: 3 mg / mc; PNOC inhalable fraction: 10 mg / mc). If these limits are exceeded, it is recommended to use a type P filter whose class (1, 2 or 3) must be chosen based on the outcome of the risk assessment.

8.2. Exposure controls

Observe the usual safety measures when handling chemicals.

HAND PROTECTION

Unnecessary.

SKIN PROTECTION

Unnecessary.

EYE PROTECTION

Unnecessary.

RESPIRATORY PROTECTION

We recommend the use of a type P filtering face mask whose class (1, 2 or 3) and actual need, must be defined based on the outcome of the risk assessment (ref. Standard EN 149).

ENVIRONMENTAL EXPOSURE CONTROLS

Emissions from manufacturing processes, including those from ventilation equipment should be controlled for compliance with environmental protection legislation.

SECTION 9. Physical and chemical properties

9.1. Information on basic physical and chemical properties

Property	Value	Information
Physical state	powder	
Color	pink	
Odor	Not available	
Odor threshold	Not available	

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SECTION 9. Physical and chemical properties ... / >>			
pH	Not available		
Melting or freezing point	Not available		
Initial boiling point	325,16 °C		
Boiling range	Not available		
Flash point	Not applicable		
Evaporation rate	Not available		
Flammability of solids and gases	Not available		
Lower flammability limit	Not available		
Upper flammability limit	Not available		
Lower explosive limit	Not available		
Upper explosive limit	Not available		
Vapor pressure	Not available		
Vapor density	Not available		
Relative density	0,45		
Solubility	almost insoluble		
Partition coefficient: n-octanol / water:	Not available		
Self-ignition temperature	Not available		
Decomposition temperature	Not available		
Viscosity	Not available		
Explosive properties	Not available		
Oxidizing properties	Not available		
9.2. Other information			
Molecular weight	496,4		
SECTION 10. Stability and reactivity			
10.1. Reactivity			
There are no particular risks of reaction with other substances in normal conditions of use.			
10.2. Chemical stability			
The product is stable under normal conditions of use and storage.			
10.3. Possibility of hazardous reactions			
Dusts are potentially explosive when mixed with air.			
10.4. Conditions to avoid			
Avoid the accumulation of dust in the environment.			
10.5. Incompatible materials			
Information not available			
10.6. Hazardous decomposition products			
Information not available			
SECTION 11. Toxicological information			
11.1. Information on toxicological effects			
<u>Metabolism, kinetics, mechanism of action and other information</u>			
Information not available			
<u>Information on likely routes of exposure</u>			
Information not available			
<u>Delayed and immediate effects and chronic effects from short and long term exposure</u>			
Information not available			
<u>Interactive effects</u>			

SECTION 11. Toxicological information / >>

Information not available

ACUTE TOXICITY

FOOD RED 017

LD50 (Oral)

> 2000 mg/kg rat

LD50 (Dermal)

> 2000 mg/kg rat

SKIN CORROSION / SKIN IRRITATION

It does not meet the classification criteria for this hazard class

SERIOUS EYE DAMAGE / EYE IRRITATION

It does not meet the classification criteria for this hazard class

RESPIRATORY OR SKIN SENSITIZATION

It does not meet the classification criteria for this hazard class

MUTAGENICITY ON GERMINAL CELLS

It does not meet the classification criteria for this hazard class

CARCINOGENICITY

It does not meet the classification criteria for this hazard class

REPRODUCTION TOXICITY

It does not meet the classification criteria for this hazard class

SPECIFIC TARGET ORGAN TOXICITY (STOT) – SINGLE EXPOSURE

It does not meet the classification criteria for this hazard class

SPECIFIC TARGET ORGAN TOXICITY (STOT) – REPEATED EXPOSURE

It does not meet the classification criteria for this hazard class

DANGER IN CASE OF SUCTION

It does not meet the classification criteria for this hazard class

SECTION 12. Ecological information

Use according to good working practices, avoiding to disperse the product in the environment. Notify the competent authorities if the product has reached water courses or if it has contaminated the soil or vegetation.

12.1. Toxicity

FOOD RED 017

LC50 - Pisces

> 100 mg/l/96h zebra fish danio rerio

EC50 - Crustaceans

> 100 mg/l/48h daphnia magna

EC50 - Algae / Aquatic Plants

149,94 mg/l/72h green algae

12.2. Persistence and degradability

Information not available

12.3. Bioaccumulation potential

Information not available

12.4. Mobility in soil

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SECTION 12. Ecological information ... / >> Information not available 12.5. Results of PBT and vPvB assessment Based on available data, the product does not contain PBT or vPvB substances in percentage $\geq 0.1\%$. 12.6. Other adverse effects Information not available		
SECTION 13. Disposal considerations 13.1. Waste treatment methods Reuse if possible. The residues of the product as such are to be considered special non-hazardous waste. Disposal must be entrusted to an authorized waste management company, in compliance with national and possibly local regulations. For solid residues, consider the possibility of disposal in an authorized landfill. CONTAMINATED PACKAGING Contaminated packaging must be sent for recovery or disposal in compliance with national waste management regulations.		
SECTION 14. Transport information The product is not to be considered dangerous pursuant to the provisions in force on the transport of dangerous goods by road (A.D.R.), by rail (RID), by sea (IMDG Code) and by air (IATA). 14.1. UN Number Not applicable 14.2. UN proper shipping name Not applicable 14.3. Transport hazard class(es) Not applicable 14.4. Packaging group Not applicable 14.5. Environmental hazards Not applicable 14.6. Special precautions for user Not applicable 14.7. Transport in bulk according to Annex II of MARPOL and the IBC Code Not relevant information		
SECTION 15. Regulatory information 15.1. Safety, health and environmental regulations/legislation specific for the substance or mixture <u>Seveso Category - Directive 2012/18/CE:</u> None <u>Restrictions relating to the product or the substances contained according to Annex XVII Regulation (EC) 1907/2006</u> None		

V49358 - PINK COLOR POWDER**SECTION 15. Regulatory information ... / >>**Substances in Candidate List (Art. 59 REACH)

Based on available data, the product does not contain SVHC substances in percentage $\geq 0.1\%$.

Substances subject to authorization (Annex XIV REACH)

None

Substances subject to export notification obligation Reg. (EC) 649/2012:

None

Substances subject to the Rotterdam Convention:

None

Substances subject to the Stockholm Convention:

None

Sanitary checks

Information not available

15.2. Chemical safety assessment

A chemical safety assessment has not been developed / is not yet available for the substance.

SECTION 16. Other information**LEGEND:**

- ADR: European agreement for the transport of dangerous goods by road
- CAS NUMBER: Number of the Chemical Abstract Service
- EC50: Concentration affecting 50% of the population under test
- CE NUMBER: Identification number in ESIS (European archive of existing substances)
- CLP: EC Regulation 1272/2008
- DNEL: Derived no effect level
- EmS: Emergency Schedule
- GHS: Globally Harmonized System for Classification and Labeling of Chemicals
- IATA DGR: Regulations for the transport of dangerous goods of the International Air Transport Association
- IC50: Concentration of immobilization of 50% of the population subject to testing
- IMDG: International maritime code for the transport of dangerous goods
- IMO: International Maritime Organization
- INDEX NUMBER: Identification number in Annex VI of the CLP
- LC50: Lethal Concentration 50%
- LD50: Lethal Dose 50%
- OEL: Occupational exposure level
- PBT: Persistent, bioaccumulating and toxic according to REACH
- PEC: Predicted environmental concentration
- PEL: Predictable level of exposure
- PNEC: Predicted No Effect Concentration
- REACH: EC Regulation 1907/2006
- RID: Regulations for the international transport of dangerous goods by train
- TLV: Threshold Limit Value
- TLV CEILING: Concentration that must not be exceeded during any moment of occupational exposure.
- TWA STEL: Short term exposure limit
- TWA: Weighted average exposure limit
- VOC: Volatile organic compound
- vPvB: Very persistent and very bioaccumulating according to REACH
- WGK: Water hazard class (Germany).

GENERAL BIBLIOGRAPHY:

1. Regulation (EC) 1907/2006 of the European Parliament (REACH)
2. Regulation (EC) 1272/2008 of the European Parliament (CLP)
3. Regulation (EU) 790/2009 of the European Parliament (I Atp. CLP)
4. Regulation (EU) 2015/830 of the European Parliament
5. Regulation (EU) 286/2011 of the European Parliament (II Atp. CLP)
6. Regulation (EU) 618/2012 of the European Parliament (III Atp. CLP)
7. Regulation (EU) 487/2013 of the European Parliament (IV Atp. CLP)
8. Regulation (EU) 944/2013 of the European Parliament (V Atp. CLP)
9. Regulation (EU) 605/2014 of the European Parliament (VI Atp. CLP)
10. Regulation (EU) 2015/1221 of the European Parliament (VII Atp. CLP)
11. Regulation (EU) 2016/918 of the European Parliament (VIII Atp. CLP)
12. Regulation (EU) 2016/1179 (IX Atp. CLP)

- 13. Regulation (EU) 2017/776 (X Atp. CLP)
- 14. Regulation (EU) 2018/669 (XI Atp. CLP)
- 15. Regulation (EU) 2018/1480 (XIII Atp. CLP)
- 16. Regulation (EU) 2019/521 (XII Atp. CLP)

- The Merck Index. - 10th Edition
- Handling Chemical Safety
- INRS - Fiche Toxicologique (toxicological sheet)
- Patty - Industrial Hygiene and Toxicology
- N.I. Sax - Dangerous properties of Industrial Materials-7, 1989 Edition
- IFA GESTIS website
- ECHA Agency website
- Database of SDS models of chemical substances - Ministry of Health and National Institute of Health

Note for the user:

The information contained in this sheet is based on the knowledge available to us at the date of the latest version. The user must ensure the suitability and completeness of the information in relation to the specific use of the product.

This document should not be construed as a guarantee of any specific property of the product.

Since the use of the product does not fall under our direct control, it is the user's obligation to observe the laws and regulations in force regarding hygiene and safety under his own responsibility. No responsibility is assumed for improper use.

Provide adequate training to personnel assigned to the use of chemical products.

METHODS OF CALCULATING THE CLASSIFICATION

Physico-chemical hazards: The classification of the product was derived from the criteria established by the CLP Regulation Annex I Part 2.

The methods for assessing the physico-chemical properties are reported in section 9.

Health hazards: The classification of the product is based on the calculation methods set out in Annex I of CLP Part 3, unless otherwise indicated in section 11.

Environmental hazards: The classification of the product is based on the calculation methods set out in Annex I of CLP Part 4, unless otherwise indicated in section 12.

Safety Data Sheet

SECTION 1. Identification of the substance/mixture and of the company/undertaking

1.1. Product identifier

Code:	V49359
Name	PWDER COLOR POWDER
EC number	201-353-5
CAS number	81-48-1

1.2. Relevant identified uses of the substance or mixture and uses advised against

Description /Use	Dye for playful activities.
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1.3. Information on the supplier of the safety data sheet

Company	CLEMENTONI Spa	
Address	ZONA INDUSTRIALE FONTENOCE	
	62019 RECANATI	(MC)
	ITALIA	
	tel. 071 75811	
	fax 071 758123	
e-mail of the competent person responsible for the safety data sheet	info@clementoni.it	
Responsible for placing on the market:	Reparto Tecnico	

1.4. Emergency telephone number (Italy)

For urgent information contact	Centro Antiveleni - Ospedale Niguarda - Milano - Tel 02 66101029
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SECTION 2. Hazards identification

2.1. Classification of the substance or mixture

The product is not classified as dangerous pursuant to the provisions of Regulation (EC) 1272/2008 (CLP) (and subsequent amendments and adjustments).

Hazard classification and indications: --

2.2. Label elements

Hazard pictograms: --

Warnings: --

Hazard statements: --

Precautionary advice: --

The product does not require hazard labeling pursuant to Regulation (EC) 1272/2008 (CLP) and subsequent amendments and adjustments.

2.3. Other dangers

Based on available data, the product does not contain PBT or vPvB substances in percentage $\geq 0.1\%$.

SECTION 3. Composition / information on ingredients

3.1. Substance

Contains:

Identification	Conc. %	Classification 1272/2008 (CLP)
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SECTION 3. Composition / information on ingredients ... / >>**Solvent violet 13**

CAS 81-48-1 100

CE 201-353-5

INDEX

The full wording of the hazard statements (H) is given in section 16 of the sheet.

3.2. Mixture

Not relevant information

SECTION 4. First aid measures**4.1. Description of first aid measures**

Not specifically necessary. In any case, compliance with the rules of good industrial hygiene is recommended.

4.2. Most important symptoms and effects, both acute and delayed

There are no known episodes of damage to health attributable to the product.

4.3. Indication of any immediate medical attention and special treatment needed

Information not available

SECTION 5. Firefighting measures**5.1. Extinguishing media**

SUITABLE EXTINGUISHING MEDIA

The extinguishing media are the traditional ones: carbon dioxide, foam, powder and nebulized water.

UNSUITABLE EXTINGUISHING MEDIA

No one in particular.

5.2. Special hazards arising from the substance or mixture

HAZARDS CAUSED BY EXPOSURE IN THE EVENT OF FIRE

Avoid breathing combustion products. The product is combustible and, when the powders are dispersed in the air in sufficient concentrations and in the presence of a source of ignition, it can give explosive mixtures with the air. The fire can develop or be further fueled by the solid, possibly escaping from the container, when it reaches high temperatures or by contact with ignition sources.

5.3. Advice for firefighters

GENERAL INFORMATION

Cool the containers with jets of water to avoid product decomposition and the development of substances potentially hazardous to health.

Always wear full fire

protection equipment. Collect the extinguishing water which must not be discharged into the sewers. Dispose of the contaminated water used for extinguishing and the residue of the fire according to current regulations.

EQUIPMENT

Normal clothing for firefighting, such as an open circuit compressed air breathing apparatus (EN 137), flame retardant suit (EN469), flame retardant gloves (EN 659) and fire brigade boots (HO A29 or A30).

SECTION 6. Accidental release measures**6.1. Personal precautions, protective equipment and emergency procedures**

In case of vapors or dust dispersed in the air, adopt respiratory protection. These indications are valid both for the workers and for emergency interventions.

6.2. Environmental precautions

Prevent the product from entering sewers, surface water, groundwater.

6.3. Methods and material for containment and cleaning up

Dike with earth or inert material. Collect most of the material and eliminate the residue with jets of water. The disposal of contaminated material must be carried out in accordance with the provisions of point 13.

6.4. Reference to other sections

Any information regarding personal protection and disposal is given in sections 8 and 13.

SECTION 7. Handling and storage

7.1. Precautions for safe handling

Handle the product after consulting all the other sections of this safety data sheet. Avoid the dispersion of the product in the environment. Do not eat, drink or smoke during use.

7.2. Conditions for safe storage, including any incompatibilities

Keep the product in clearly labeled containers. Keep containers away from any incompatible materials, checking section 10.

7.3. Specific end use(s)

Information not available

SECTION 8. Exposure controls/personal protection

8.1. Control parameters

It is recommended to consider in the risk assessment process the occupational exposure limit values provided by the ACGIH for inert dusts not otherwise classified (PNOC respirable fraction: 3 mg / mc; PNOC inhalable fraction: 10 mg / mc). If these limits are exceeded, it is recommended to use a type P filter whose class (1, 2 or 3) must be chosen based on the outcome of the risk assessment.

8.2. Exposure controls

Observe the usual safety measures when handling chemicals.

HAND PROTECTION

Unnecessary.

SKIN PROTECTION

Unnecessary.

EYE PROTECTION

Unnecessary.

RESPIRATORY PROTECTION

We recommend the use of a type P filtering face mask whose class (1, 2 or 3) and actual need, must be defined based on the outcome of the risk assessment (ref. Standard EN 149).

ENVIRONMENTAL EXPOSURE CONTROLS

Emissions from manufacturing processes, including those from ventilation equipment should be controlled for compliance with environmental protection legislation.

SECTION 9. Physical and chemical properties

9.1. Information on basic physical and chemical properties

Property	Value	Information
Physical state	powder	
Color	dark purple	
Odor	Not available	
Odor threshold	Not available	
pH	Not available	
Melting or freezing point	Not available	
Initial boiling point	Not applicable	
Boiling range	Not available	
Flash point	Not applicable	
Evaporation rate	Not available	
Flammability of solids and gases	Not available	
Lower flammability limit	Not available	
Upper flammability limit	Not available	
Lower explosive limit	Not available	
Upper explosive limit	Not available	
Vapor pressure	Not available	
Vapor density	Not available	
Relative density	Not available	
Solubility	Not available	
Partition coefficient: n-octanol / water:	Not available	
Self-ignition temperature	Not available	

SECTION 9. Physical and chemical properties ... / >>

Decomposition temperature	Not available
Viscosity	Not available
Explosive properties	Not available
Oxidizing properties	Not available

9.2. Other information

Information not available

SECTION 10. Stability and reactivity**10.1. Reactivity**

There are no particular risks of reaction with other substances in normal conditions of use.

10.2. Chemical stability

The product is stable under normal conditions of use and storage.

10.3. Possibility of hazardous reactions

Dusts are potentially explosive when mixed with air.

10.4. Conditions to avoid

Avoid the accumulation of dust in the environment.

10.5. Incompatible materials

Information not available

10.6. Hazardous decomposition products

Information not available

SECTION 11. Toxicological information**11.1. Information on toxicological effects**Metabolism, kinetics, mechanism of action and other information

Information not available

Information on likely routes of exposure

Information not available

Delayed and immediate effects and chronic effects from short and long term exposure

Information not available

Interactive effects

Information not available

ACUTE TOXICITY

It does not meet the classification criteria for this hazard class

CORROSIONE CUTANEA / IRRITAZIONE CUTANEA

It does not meet the classification criteria for this hazard class

GRAVI DANNI OCULARI / IRRITAZIONE OCULARE

It does not meet the classification criteria for this hazard class

SENSIBILIZZAZIONE RESPIRATORIA O CUTANEA

It does not meet the classification criteria for this hazard class

SECTION 11. Toxicological information ... / >>**MUTAGENICITY ON GERMINAL CELLS**

It does not meet the classification criteria for this hazard class

CARCINOGENICITY

It does not meet the classification criteria for this hazard class

REPRODUCTION TOXICITY

It does not meet the classification criteria for this hazard class

SPECIFIC TARGET ORGAN TOXICITY (STOT) – SINGLE EXPOSURE

It does not meet the classification criteria for this hazard class

SPECIFIC TARGET ORGAN TOXICITY (STOT) – REPEATED EXPOSURE

It does not meet the classification criteria for this hazard class

DANGER IN CASE OF SUCTION

It does not meet the classification criteria for this hazard class

SECTION 12. Ecological information

Use according to good working practices, avoiding to disperse the product in the environment. Notify the competent authorities if the product has reached water courses or if it has contaminated the soil or vegetation.

12.1. Toxicity

Information not available

12.2. Persistence and degradability

Information not available

12.3. Bioaccumulation potential

Information not available

12.4. Mobility in soil

Information not available

12.5. Results of PBT and vPvB assessment

Based on available data, the product does not contain PBT or vPvB substances in percentage $\geq 0.1\%$.

12.6. Other adverse effects

Information not available

SECTION 13. Disposal considerations**13.1. Waste treatment methods**

Reuse if possible. Product residues are to be considered special hazardous waste. The dangerousness of the waste that partially contains this

product must be assessed on the basis of the laws in force.

Disposal must be entrusted to an authorized waste management company, in compliance with national and possibly local regulations.

CONTAMINATED PACKAGING

Contaminated packaging must be sent for recovery or disposal in compliance with national waste management regulations.

SECTION 14. Transport information

The product is not to be considered dangerous pursuant to the provisions in force on the transport of dangerous goods by road (A.D.R.), by rail (RID), by sea (IMDG Code) and by air (IATA).

14.1. UN Number

Not applicable

14.2. UN proper shipping name

Not applicable

14.3. Transport hazard class(es)

Not applicable

14.4. Packaging group

Not applicable

14.5. Environmental hazards

Not applicable

14.6. Special precautions for user

Not applicable

14.7. Transport in bulk according to Annex II of MARPOL and the IBC Code

Not relevant information

SECTION 15. Regulatory information**15.1. Safety, health and environmental regulations/legislation specific for the substance or mixture**

Seveso Category - Directive 2012/18/EC: None

Restrictions relating to the product or the substances contained according to Annex XVII Regulation (EC) 1907/2006
None

Substances in Candidate List (Art. 59 REACH)
Based on available data, the product does not contain SVHC substances in percentage $\geq 0.1\%$.

Substances subject to authorization (Annex XIV REACH)
None

Substances subject to export notification obligation Reg. (EC) 649/2012:
None

Substances subject to the Rotterdam Convention:
None

Substances subject to the Stockholm Convention:
None

Sanitary checks
Information not available

15.2. Chemical safety assessment

A chemical safety assessment has not been developed / is not yet available for the substance.

SECTION 16. Other information**LEGEND:**

- ADR: European agreement for the transport of dangerous goods by road
- CAS NUMBER: Number of the Chemical Abstract Service
- EC50: Concentration affecting 50% of the population under test
- CE NUMBER: Identification number in ESIS (European archive of existing substances)
- CLP: EC Regulation 1272/2008
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- OEL: Occupational exposure level
- PBT: Persistent, bioaccumulating and toxic according to REACH
- PEC: Predicted environmental concentration
- PEL: Predictable level of exposure
- PNEC: Predicted No Effect Concentration
- REACH: EC Regulation 1907/2006
- RID: Regulations for the international transport of dangerous goods by train
- TLV: Threshold Limit Value
- TLV CEILING: Concentration that must not be exceeded during any moment of occupational exposure.
- TWA STEL: Short term exposure limit
- TWA: Weighted average exposure limit
- VOC: Volatile organic compound
- vPvB: Very persistent and very bioaccumulating according to REACH
- WGK: Water hazard class (Germany).

GENERAL BIBLIOGRAPHY:

1. Regulation (EC) 1907/2006 of the European Parliament (REACH)
2. Regulation (EC) 1272/2008 of the European Parliament (CLP)
3. Regulation (EU) 790/2009 of the European Parliament (I Atp. CLP)
4. Regulation (EU) 2015/830 of the European Parliament
5. Regulation (EU) 286/2011 of the European Parliament (II Atp. CLP)
6. Regulation (EU) 618/2012 of the European Parliament (III Atp. CLP)
7. Regulation (EU) 487/2013 of the European Parliament (IV Atp. CLP)
8. Regulation (EU) 944/2013 of the European Parliament (V Atp. CLP)
9. Regulation (EU) 605/2014 of the European Parliament (VI Atp. CLP)
10. Regulation (EU) 2015/1221 of the European Parliament (VII Atp. CLP)
11. Regulation (EU) 2016/918 of the European Parliament (VIII Atp. CLP)
12. Regulation (EU) 2016/1179 (IX Atp. CLP)
13. Regulation (EU) 2017/776 (X Atp. CLP)
14. Regulation (EU) 2018/669 (XI Atp. CLP)
15. Regulation (EU) 2018/1480 (XIII Atp. CLP)
16. Regulation (EU) 2019/521 (XII Atp. CLP)

- The Merck Index. - 10th Edition
- Handling Chemical Safety
- INRS - Fiche Toxicologique (toxicological sheet)
- Patty - Industrial Hygiene and Toxicology
- N.I. Sax - Dangerous properties of Industrial Materials-7, 1989 Edition
- IFA GESTIS website
- ECHA Agency website
- Database of SDS models of chemical substances - Ministry of Health and National Institute of Health

Note for the user:

The information contained in this sheet is based on the knowledge available to us at the date of the latest version. The user must ensure the suitability and completeness of the information in relation to the specific use of the product.

This document should not be construed as a guarantee of any specific property of the product.

Since the use of the product does not fall under our direct control, it is the user's obligation to observe the laws and regulations in force regarding hygiene and safety under his own responsibility. No responsibility is assumed for improper use.

Provide adequate training to personnel assigned to the use of chemical products.

SECTION 16. Other information ... / >>**METHODS OF CALCULATING THE CLASSIFICATION**

Physico-chemical hazards: The classification of the product was derived from the criteria established by the CLP Regulation Annex I Part 2. The methods for assessing the physico-chemical properties are reported in section 9.

Health hazards: The classification of the product is based on the calculation methods set out in Annex I of CLP Part 3, unless otherwise indicated in section 11.

Environmental hazards: The classification of the product is based on the calculation methods set out in Annex I of CLP Part 4, unless otherwise indicated in section 12.

Safety Data Sheet

SECTION 1. Identification of the substance/mixture and of the company/undertaking

1.1. Product identifier

Code: **V49360**
Name: **BLUE COLOR POWDER**
EC number: **223-339-8**
CAS number: **3844-45-9**

1.2. Relevant identified uses of the substance or mixture and uses advised against

Description /Use: **Blue dye powder for the creation of materials to be manipulated to be used in playful activities.**

1.3. Information on the supplier of the safety data sheet

Company: **CLEMENTONI SPA**
Address: **ZONA INDUSTRIALE FONTENOCE
62019 RECANATI (MC)
ITALIA**
tel. **07175811**
fax **071758123**
e-mail of the competent person responsible for the safety data sheet: **info@clementoni.it**
Responsible for placing on the market: **Technical department**

1.4. Emergency telephone number (Italy)

For urgent information contact: **Centro Antiveleni - Ospedale Niguarda - Milano - Tel 02 66101029**

SECTION 2. Hazards identification

2.1. Classification of the substance or mixture

The product is not classified as dangerous pursuant to the provisions of Regulation (EC) 1272/2008 (CLP) (and subsequent amendments and adjustments).

Hazard classification and indications: --

2.2. Label elements

Hazard pictograms: --
Warnings: --
Hazard statements: --
Precautionary advice: --

The product does not require hazard labeling pursuant to Regulation (EC) 1272/2008 (CLP) and subsequent amendments and adjustments.

2.3. Other dangers

Based on available data, the product does not contain PBT or vPvB substances in percentage $\geq 0.1\%$.

SECTION 3. Composition / information on ingredients

3.1. Substance

The product does not contain substances classified as dangerous for health or for the environment pursuant to the provisions of Regulation (EU) 1272/2008 (CLP) (and subsequent amendments and adjustments) in quantities that require a declaration.

	CLEMENTONI SPA V49360 - BLUE COLOR POWDER	Revision n.1 RevisionDate 25/02/2021 New issue Printed on 25/02/2021 Page n. 2 / 8 EN
SECTION 3. Composition / information on ingredients ... / >>		
3.2. Mixture Not relevant information		
SECTION 4. First aid measures		
4.1. Description of first aid measures Not specifically necessary. In any case, compliance with the rules of good industrial hygiene is recommended. 4.2. Most important symptoms and effects, both acute and delayed There are no known episodes of damage to health attributable to the product. 4.3. Indication of any immediate medical attention and special treatment needed Information not available		
SECTION 5. Firefighting measures		
5.1. Extinguishing media SUITABLE EXTINGUISHING MEDIA The extinguishing media are the traditional ones: carbon dioxide, foam, powder and nebulized water. UNSUITABLE EXTINGUISHING MEDIA No one in particular. 5.2. Special hazards arising from the substance or mixture HAZARDS CAUSED BY EXPOSURE IN THE EVENT OF FIRE Avoid breathing combustion products. The product is combustible and, when the powders are dispersed in the air in sufficient concentrations and in the presence of a source of ignition, it can give explosive mixtures with the air. The fire can develop or be further fueled by the solid, possibly escaping from the container, when it reaches high temperatures or by contact with ignition sources. 5.3. Advice for firefighters GENERAL INFORMATION Cool the containers with jets of water to avoid product decomposition and the development of substances potentially hazardous to health. Always wear full fire protection equipment. Collect the extinguishing water which must not be discharged into the sewers. Dispose of the contaminated water used for extinguishing and the residue of the fire according to current regulations. EQUIPMENT Normal clothing for firefighting, such as an open circuit compressed air breathing apparatus (EN 137), flame retardant suit (EN469), flame retardant gloves (EN 659) and fire brigade boots (HO A29 or A30).		
SECTION 6. Accidental release measures		
6.1. Personal precautions, protective equipment and emergency procedures In case of vapors or dust dispersed in the air, adopt respiratory protection. These indications are valid both for the workers and for emergency interventions. 6.2. Environmental precautions Prevent the product from entering sewers, surface water, groundwater. 6.3. Methods and material for containment and cleaning up Dike with earth or inert material. Collect most of the material and eliminate the residue with jets of water. The disposal of contaminated material must be carried out in accordance with the provisions of point 13. 6.4. Reference to other sections Any information regarding personal protection and disposal is given in sections 8 and 13.		
SECTION 7. Handling and storage		
7.1. Precautions for safe handling Handle the product after consulting all the other sections of this safety data sheet. Avoid the dispersion of the product in the environment. Do not eat, drink or smoke during use.		

SECTION 7. Handling and storage ... / >>

7.2. Conditions for safe storage, including any incompatibilities

Keep the product in clearly labeled containers. Keep containers away from any incompatible materials, checking section 10.

7.3. Specific end use(s)

Information not available

SECTION 8. Exposure controls/personal protection

8.1. Control parameters

FOOD BLUE 002

Health - Derived no-effect level - DNEL / DMEL

Exposure	Effects on consumers				Effects on workers			
	Local	Systemic	Local	Systemic	Local	Systemic	Local	Systemic
	acute	acute	chronic	chronic	acute	acute	chronic	chronic
Oral				6 mg/kg bw/d				

VND = hazard identified but no DNEL / PNEC available; NEA = no exposure expected; NPI = no hazard identified.

It is recommended to consider in the risk assessment process the occupational exposure limit values provided by the ACGIH for inert dusts not otherwise classified (PNOC respirable fraction: 3 mg / mc; PNOC inhalable fraction: 10 mg / mc). If these limits are exceeded, it is recommended to use a type P filter whose class (1, 2 or 3) must be chosen based on the outcome of the risk assessment.

8.2. Exposure controls

Observe the usual safety measures when handling chemicals.

HAND PROTECTION

Unnecessary.

SKIN PROTECTION

Unnecessary.

EYE PROTECTION

Unnecessary.

RESPIRATORY PROTECTION

We recommend the use of a type P filtering face mask whose class (1, 2 or 3) and actual need, must be defined based on the outcome of the risk assessment (ref. Standard EN 149).

ENVIRONMENTAL EXPOSURE CONTROLS

Emissions from manufacturing processes, including those from ventilation equipment should be controlled for compliance with environmental protection legislation.

SECTION 9. Physical and chemical properties

9.1. Information on basic physical and chemical properties

Property	Value	Information
Physical state	powder	
Color	blue	
Odor	Not available	
Odor threshold	Not available	
pH	Not available	
Melting or freezing point	Not available	
Initial boiling point	Not applicable	
Boiling range	Not available	
Flash point	Not applicable	
Evaporation rate	Not available	
Flammability of solids and gases	Not available	
Lower flammability limit	Not available	
Upper flammability limit	Not available	
Lower explosive limit	Not available	
Upper explosive limit	Not available	
Vapor pressure	Not available	

SECTION 9. Physical and chemical properties ... / >>

Vapor density	Not available
Relative density	1,48
Solubility	Not available
Partition coefficient: n-octanol / water:	Not available
Self-ignition temperature	Not available
Decomposition temperature	Not available
Viscosity	Not available
Explosive properties	Not available
Oxidizing properties	Not available

9.2. Other information

Molecular weight	792,9
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SECTION 10. Stability and reactivity**10.1. Reactivity**

There are no particular risks of reaction with other substances in normal conditions of use.

10.2. Chemical stability

The product is stable under normal conditions of use and storage.

10.3. Possibility of hazardous reactions

Dusts are potentially explosive when mixed with air.

10.4. Conditions to avoid

Avoid the accumulation of dust in the environment.

10.5. Incompatible materials

Information not available

10.6. Hazardous decomposition products

Information not available

SECTION 11. Toxicological information**11.1. Information on toxicological effects**

Metabolism, kinetics, mechanism of action and other information

Information not available

Information on likely routes of exposure

Information not available

Delayed and immediate effects and chronic effects from short and long term exposure

Information not available

Interactive effects

Information not available

ACUTE TOXICITY

It does not meet the classification criteria for this hazard class

SKIN CORROSION / SKIN IRRITATION

It does not meet the classification criteria for this hazard class

SERIOUS EYE DAMAGE / EYE IRRITATION

SECTION 11. Toxicological information / >>

It does not meet the classification criteria for this hazard class

RESPIRATORY OR SKIN SENSITIZATION

It does not meet the classification criteria for this hazard class

MUTAGENICITY ON GERMINAL CELLS

It does not meet the classification criteria for this hazard class

CARCINOGENICITY

It does not meet the classification criteria for this hazard class

REPRODUCTION TOXICITY

It does not meet the classification criteria for this hazard class

SPECIFIC TARGET ORGAN TOXICITY (STOT) – SINGLE EXPOSURE

It does not meet the classification criteria for this hazard class

SPECIFIC TARGET ORGAN TOXICITY (STOT) – REPEATED EXPOSURE

It does not meet the classification criteria for this hazard class

DANGER IN CASE OF SUCTION

It does not meet the classification criteria for this hazard class

SECTION 12. Ecological information

Use according to good working practices, avoiding to disperse the product in the environment. Notify the competent authorities if the product has reached water courses or if it has contaminated the soil or vegetation.

12.1. Toxicity

FOOD BLUE 002

LC50 - Pisces > 100 mg/l/96h

EC50 - Crustaceans > 100 mg/l/48h

EC50 - Algae / Aquatic Plants > 200 mg/l/72h

12.2. Persistence and degradability

Information not available

12.3. Bioaccumulation potential

Information not available

12.4. Mobility in soil

Information not available

12.5. Results of PBT and vPvB assessment

Based on available data, the product does not contain PBT or vPvB substances in percentage $\geq 0.1\%$.

12.6. Other adverse effects

Information not available

	CLEMENTONI SPA V49360 - BLUE COLOR POWDER	Revision n.1 RevisionDate 25/02/2021 New issue Printed on 25/02/2021 Page n. 6 / 8 EN
SECTION 13. Disposal considerations		
13.1. Waste treatment methods Reuse if possible. The residues of the product as such are to be considered special non-hazardous waste. Disposal must be entrusted to an authorized waste management company, in compliance with national and possibly local regulations. For solid residues, consider the possibility of disposal in an authorized landfill. CONTAMINATED PACKAGING Contaminated packaging must be sent for recovery or disposal in compliance with national waste management regulations.		
SECTION 14. Transport information		
The product is not to be considered dangerous pursuant to the provisions in force on the transport of dangerous goods by road (A.D.R.), by rail (RID), by sea (IMDG Code) and by air (IATA).		
14.1. UN Number Not applicable		
14.2. UN proper shipping name Not applicable		
14.3. Transport hazard class(es) Not applicable		
14.4. Packaging group Not applicable		
14.5. Environmental hazards Not applicable		
14.6. Special precautions for user Not applicable		
14.7. Transport in bulk according to Annex II of MARPOL and the IBC Code Not relevant information		
SECTION 15. Regulatory information		
15.1. Safety, health and environmental regulations/legislation specific for the substance or mixture Seveso Category - Directive 2012/18/EC: None Restrictions relating to the product or the substances contained according to Annex XVII Regulation (EC) 1907/2006 None Substances in Candidate List (Art. 59 REACH) Based on available data, the product does not contain SVHC substances in percentage $\geq 0.1\%$. Substances subject to authorization (Annex XIV REACH) None Substances subject to export notification obligation Reg. (EC) 649/2012: None Substances subject to the Rotterdam Convention:		

SECTION 15. Regulatory information ... / >>

None

Substances subject to the Stockholm Convention:

None

Sanitary checks

Information not available

15.2. Chemical safety assessment

A chemical safety assessment has not been developed / is not yet available for the substance.

SECTION 16. Other information

LEGEND:

- ADR: European agreement for the transport of dangerous goods by road
- CAS NUMBER: Number of the Chemical Abstract Service
- EC50: Concentration affecting 50% of the population under test
- CE NUMBER: Identification number in ESIS (European archive of existing substances)
- CLP: EC Regulation 1272/2008
- DNEL: Derived no effect level
- EmS: Emergency Schedule
- GHS: Globally Harmonized System for Classification and Labeling of Chemicals
- IATA DGR: Regulations for the transport of dangerous goods of the International Air Transport Association
- IC50: Concentration of immobilization of 50% of the population subject to testing
- IMDG: International maritime code for the transport of dangerous goods
- IMO: International Maritime Organization
- INDEX NUMBER: Identification number in Annex VI of the CLP
- LC50: Lethal Concentration 50%
- LD50: Lethal Dose 50%
- OEL: Occupational exposure level
- PBT: Persistent, bioaccumulating and toxic according to REACH
- PEC: Predicted environmental concentration
- PEL: Predictable level of exposure
- PNEC: Predicted No Effect Concentration
- REACH: EC Regulation 1907/2006
- RID: Regulations for the international transport of dangerous goods by train
- TLV: Threshold Limit Value
- TLV CEILING: Concentration that must not be exceeded during any moment of occupational exposure.
- TWA STEL: Short term exposure limit
- TWA: Weighted average exposure limit
- VOC: Volatile organic compound
- vPvB: Very persistent and very bioaccumulating according to REACH
- WGK: Water hazard class (Germany).

GENERAL BIBLIOGRAPHY:

1. Regulation (EC) 1907/2006 of the European Parliament (REACH)
 2. Regulation (EC) 1272/2008 of the European Parliament (CLP)
 3. Regulation (EU) 790/2009 of the European Parliament (I Atp. CLP)
 4. Regulation (EU) 2015/830 of the European Parliament
 5. Regulation (EU) 286/2011 of the European Parliament (II Atp. CLP)
 6. Regulation (EU) 618/2012 of the European Parliament (III Atp. CLP)
 7. Regulation (EU) 487/2013 of the European Parliament (IV Atp. CLP)
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 9. Regulation (EU) 605/2014 of the European Parliament (VI Atp. CLP)
 10. Regulation (EU) 2015/1221 of the European Parliament (VII Atp. CLP)
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 14. Regulation (EU) 2018/669 (XI Atp. CLP)
 15. Regulation (EU) 2018/1480 (XIII Atp. CLP)
 16. Regulation (EU) 2019/521 (XII Atp. CLP)
- The Merck Index. - 10th Edition
 - Handling Chemical Safety
 - INRS - Fiche Toxicologique (toxicological sheet)
 - Patty - Industrial Hygiene and Toxicology
 - N.I. Sax - Dangerous properties of Industrial Materials-7, 1989 Edition

- IFA GESTIS website - ECHA Agency website
- Database of SDS models of chemical substances - Ministry of Health and National Institute of Health

Note for the user:

The information contained in this sheet is based on the knowledge available to us at the date of the latest version. The user must ensure the suitability and completeness of the information in relation to the specific use of the product.

This document should not be construed as a guarantee of any specific property of the product.

Since the use of the product does not fall under our direct control, it is the user's obligation to observe the laws and regulations in force regarding hygiene and safety under his own responsibility. No responsibility is assumed for improper use.

Provide adequate training to personnel assigned to the use of chemical products.

METHODS OF CALCULATING THE CLASSIFICATION

Physico-chemical hazards: The classification of the product was derived from the criteria established by the CLP Regulation Annex I Part 2.

The methods for assessing the physico-chemical properties are reported in section 9.

Health hazards: The classification of the product is based on the calculation methods set out in Annex I of CLP Part 3, unless otherwise indicated in section 11.

Environmental hazards: The classification of the product is based on the calculation methods set out in Annex I of CLP Part 4, unless otherwise indicated in section 12.

Safety Data Sheet

Compliant with Annex II of REACH - Regulation 2020/878

SECTION 1. Identification of the substance/mixture and of the company/undertaking

1.1. Product identifier

Code: **V49352**
Name: **BLUE LIQUID COLOR DYE**

1.2. Relevant identified uses of the substance or mixture and uses advised against

Description /Use: **Blue liquid dye to be used in playful activities.**

1.3. Informazioni sul fornitore della scheda di dati di sicurezza

Company: **CLEMENTONI SPA**
Address: **ZONA INDUSTRIALE FONTENOCE**
62019 RECANATI (MC)
ITALIA
tel.: **07175811**
fax: **071758123**

e-mail of the competent person responsible
for the safety data sheet: **info@clementoni.it**

Responsible for placing on the market: **Technical department**

1.4. Emergency telephone number (Italy)

For urgent information contact:

**Centro Antiveleni - Osp. Pediatrico Bambino Gesù - Dip. Emergenza e Accettazione
DEA - Roma - Tel. 06 68593726**
Centro Antiveleni - Azienda Ospedaliera Universitaria - Foggia - Tel. 800183459
Centro Antiveleni - Azienda Ospedaliera A. Cardarelli - Napoli - Tel. 081 5453333
Centro Antiveleni - Policlinico Umberto I - Roma - Tel. 06 49978000
Centro Antiveleni - Policlinico A. Gemelli - Roma - Tel. 06 3054343
**Centro Antiveleni - Azienda Ospedaliera Careggi U.O. Tossicologia Medica - Firenze
- Tel. 055 7947819**
**Centro Antiveleni - Centro Nazionale di Informazione Tossicologica - Pavia - Tel.
0382 24444**
Centro Antiveleni - Ospedale Niguarda Cà Granda - Milano - Tel. 02 66101029
**Centro Antiveleni - Azienda Ospedaliera Papa Giovanni XXII - Bergamo - Tel.
800883300**
Centro Antiveleni - Azienda Ospedaliera Integrata Verona - Verona - Tel. 800011858

SECTION 2. Hazards identification

2.1. Classification of the substance or mixture

The product is not classified as dangerous pursuant to the provisions of Regulation (EC) 1272/2008 (CLP) (and subsequent amendments and adjustments).

Hazard classification and indications: --

2.2. Label elements

Hazard pictograms: --

Warnings: --

Hazard statements: --

Precautionary advice: --

2.3. Other dangers

Based on available data, the product does not contain PBT or vPvB substances in percentage $\geq 0.1\%$.

	CLEMENTONI SPA	Revision n.3 Revision date 21/12/2021 Printed 12/21/2021 Page no. 2/9 Replaces revision: 2 (Revision date 24/02/2021)
	V49352 - BLUE LIQUID COLOR DYE	

The product does not contain substances having properties of interference with the endocrine system in a concentration> = 0.1%.

SECTION 3. Composition / information on ingredients

3.1. Substance

Not relevant information

3.2. Mixture

The product does not contain substances classified as dangerous for health or for the environment pursuant to the provisions of Regulation (EU) 1272/2008 (CLP) (and subsequent amendments and adjustments) in quantities such as to require a declaration.

SECTION 4. First aid measures

4.1. Description of first aid measures

Not specifically necessary. In any case, compliance with the rules of good industrial hygiene is recommended.

4.2. Most important symptoms and effects, both acute and delayed

There are no known episodes of damage to health attributable to the product.

4.3. Indication of any immediate medical attention and special treatment needed

Information not available

SECTION 5. Firefighting measures

5.1. Extinguishing media

SUITABLE EXTINGUISHING MEDIA
The extinguishing media are the traditional ones: carbon dioxide, foam, powder and nebulized water.
UNSUITABLE EXTINGUISHING MEDIA
No one in particular.

5.2. Special hazards arising from the substance or mixture

HAZARDS CAUSED BY EXPOSURE IN THE EVENT OF FIRE
Avoid breathing combustion products.

5.3. Advice for firefighters

GENERAL INFORMATIONs
Cool the containers with jets of water to avoid product decomposition and the development of substances potentially hazardous to health. Always wear full fire protection equipment. Collect the extinguishing water which must not be discharged into the sewers. Dispose of the contaminated water used for extinguishing and the residue of the fire according to current regulations.
EQUIPMENT
Normal clothing for firefighting, such as an open circuit compressed air breathing apparatus (EN 137), flame retardant suit (EN469), flame retardant gloves (EN 659) and fire brigade boots (HO A29 or A30).

SECTION 6. Accidental release measures

6.1. Personal precautions, protective equipment and emergency procedures

In case of vapors or dust dispersed in the air, adopt respiratory protection. These indications are valid both for the workers and for emergency interventions.

6.2. Environmental precautions

Prevent the product from entering sewers, surface water, groundwater.

6.3. Methods and materials for containment and cleaning up

Dike with earth or inert material. Collect most of the material and eliminate the residue with jets of water. The disposal of contaminated material must be carried out in accordance with the provisions of point 13.

6.4. Reference to other sections

Any information regarding personal protection and disposal is given in sections 8 and 13.

SECTION 7. Handling and storage

7.1. Precautions for safe handling

Handle the product after consulting all the other sections of this safety data sheet. Avoid the dispersion of the product in the environment. Do not eat, drink or smoke during use. Remove contaminated clothing and protective equipment before entering eating areas.

7.2. Conditions for safe storage, including any incompatibilities

Keep only in the original container. Keep the containers closed, in a well-ventilated place, away from direct sunlight. Keep containers away from any incompatible materials, checking section 10.

7.3. Specific end use(s)

Information not available

SECTION 8. Exposure controls/personal protection

8.1. Control parameters

Normative requirements:

AUS	Österreich	Gesamte Rechtsvorschrift für Grenzwerteverordnung 2021 , Fassung vom 17.06.2021
CHE	Suisse / Schweiz	Valeurs limites d'exposition aux postes de travail: VME/VLE (SUVA). Grenzwerte am Arbeitsplatz: MAK (SUVA)
DEU	Deutschland	Technischen Regeln für Gefahrstoffe (TRGS 900) - Liste der Arbeitsplatzgrenzwerte und Kurzzeitwerte. MAK- und BAT-Werte-Liste 2020, Ständige Senatskommission zur Prüfung gesundheitsschädlicher Arbeitsstoffe, Mitteilung 56
FIN	Suomi	HTP-VÄRDEN 2020. Koncentrationer som befunnits skadliga. SOCIAL - OCH HÄLSOVÄRDSMINISTERIETS PUBLIKATIONER 2020:25
POL	Polska	Rozporządzenie ministra rozwoju, pracy i technologii z dnia 18 lutego 2021 r. Zmieniające rozporządzenie w sprawie najwyższych dopuszczalnych stężeń i natężeń czynników szkodliwych dla zdrowia w środowisku pracy
SVN	Slovenija	Pravilnik o varovanju delavcev pred tveganji zaradi izpostavljenosti kemičnim snovem pri delu (Uradni list RS, št. 100/01, 39/05, 53/07, 102/10, 43/11 – ZVZD-1, 38/15, 78/18 in 78/19)

FOOD BLUE 002

Health - Derived no-effect level - DNEL / DMEL

Route of Exposure	Effects on consumers		Local chronic	Systemic chronic	Effects on workers		
	Local acute	Systemic acute			Local acute	Systemic acute	Systemic chronic
Oral				6 mg/kg bw/d			

SECTION 8. Exposure controls/personal protection ... / >>

2-PHENOXYETHANOL

Threshold limit value

Type	State	TWA/8h		STEL/15min		Notes / Observations
		mg/m3	ppm	mg/m3	ppm	
MAK	AUS	110	20	110 (C)	20 (C)	
MAK	CHE	110	20	110	20	
VME/VLE	CHE	110	20	110	20	
AGW	DEU	5,7	1	5,7 (C)	1 (C)	
MAK	DEU	5,7	1	5,7	1	
HTP	FIN	110	20	290	50	SKIN
NDS/NDSch	POL	230				
MV	SVN	110	20	110	20	SKIN

Predicted concentration of no effect on the environment - PNEC

Reference value in fresh water	0,943	mg/l
Reference value in sea water	0,094	mg/l
Reference value for sediments in fresh water	7237	mg/kg/d
Reference value for sediments in sea water	0,724	mg/kg/d
Reference value for water, intermittent release	3,44	mg/l
Reference value for STP microorganisms	36	mg/l
Reference value for the terrestrial compartment	1,31	mg/kg/d

Health - Derived no-effect level - DNEL / DMEL

Route of Exposure	Effects on consumers				Effects on workers			
	Local acute	Systemic acute	Local chronic	Systemic chronic	Local acute	Systemic acute	Local chronic	Systemic chronic
Ora		9,23 mg/kg bw/d		9,23 mg/kg bw/d				
Inhalation			2,41 mg/m3	2,41 mg/m3			5,7 mg/m3	5,7 mg/m3
Dermal							10,42 mg/kg bw/d	20,83 mg/kg bw/d

Legend:
(C) = CEILING; INALAB = Inhalable Fraction; RESPIR = Breathing Fraction; TORAC = Thoracic Fraction.
VND = hazard identified but no DNEL / PNEC available; NEA = no exposure expected; NPI = no hazard identified.

8.2. Exposure controls

Observe the usual safety measures when handling chemicals.
Observe the usual safety measures when handling chemicals.
HAND PROTECTION
Unnecessary.
SKIN PROTECTION
Unnecessary.
EYE PROTECTION
Unnecessary.
RESPIRATORY PROTECTION
In case of exceeding the threshold value (e.g. TLV-TWA) of the substance or of one or more of the substances present in the product, it is advisable to wear a mask with a type A filter whose class (1, 2 or 3) must be chosen in relation to the limit concentration of use. (ref. standard EN 14387). If there are gases or vapors of a different nature and / or gases or vapors with particles (aerosols, fumes, mists, etc.), combined filters must be provided.
The use of respiratory protection means is necessary in case the technical measures adopted are not sufficient to limit the exposure of the worker to the threshold values taken into consideration. The protection offered by the masks is however limited.
In the event that the substance in question is odorless or its olfactory threshold is higher than the relative TLV-TWA and in the event of an emergency, wear an open-circuit compressed air breathing apparatus (ref. Standard EN 137) or a self-contained breathing apparatus. outdoor air (ref. EN 138 standard). For the correct choice of the respiratory protection device, refer to the EN 529 standard.
ENVIRONMENTAL EXPOSURE CONTROLS
Emissions from manufacturing processes, including those from ventilation equipment should be controlled for compliance with environmental protection legislation.

SECTION 9. Physical and chemical properties

9.1. Information on basic physical and chemical properties

Property	Value	Information
Physical state	liquid	
Color	blue	

SECTION 9. Physical and chemical properties ... / >>

Odor	odorless
Melting or freezing point	15 °C
Initial boiling point	100 °C
Flammability	Unavailable
Lower explosive limit	Unavailable
Upper explosive limit	Unavailable
Flash point	> 93 °C
Self-ignition temperature	Unavailable
Decomposition temperature	Unavailable
pH	Unavailable
Kinematic viscosity	Unavailable
Dynamic viscosity	600-1100 mPas
Solubility	soluble in water
Partition coefficient: n-octanol / water:	Unavailable
Vapor pressure	17,48 mmHg
Density and / or Relative density	1,005-1,010
Relative vapor density	Unavailable
Characteristics of the particles	Not applicable

9.2. Other information

9.2.1. Information relating to the classes of physical hazards

Information not available

9.2.2. Other security features

Total solids (250 ° C / 482 ° F) 1,50 %

SECTION 10. Stability and reactivity**10.1. Reactivity**

There are no particular risks of reaction with other substances in normal conditions of use.

10.2. Chemical stability

The product is stable under normal conditions of use and storage.

10.3. Possibility of hazardous reactions

In normal conditions of use and storage no dangerous reactions are foreseeable.

10.4. Conditions to avoid

None in particular. However, follow the usual precautions against chemicals.

10.5. Incompatible materials

Information not available

10.6. Hazardous decomposition products

Information not available

SECTION 11. Toxicological information

There are no known episodes of damage to health due to exposure to the product. In any case, it is recommended to operate in compliance with the rules of good industrial hygiene.

11.1. Information on the hazard classes defined in Regulation (EC) No. 1272/2008

Metabolism, kinetics, mechanism of action and other information

Information not available

Information on likely routes of exposure

Information not available

Delayed and immediate effects and chronic effects from short and long term exposure

SECTION 11. Toxicological information ... / >>

Information not available

Interactive effects

Information not available

ACUTE TOXICITY

ATE (Inhalation) of the mixture:

Not classified (no relevant component)

ATE (Oral) of the mixture:

Not classified (no relevant component)

ATE (Dermal) of the mixture:

Not classified (no relevant component)

SKIN CORROSION / SKIN IRRITATION

It does not meet the classification criteria for this hazard class

SERIOUS EYE DAMAGE / EYE IRRITATION

It does not meet the classification criteria for this hazard class

RESPIRATORY OR SKIN SENSITIZATION

It does not meet the classification criteria for this hazard class

MUTAGENICITY ON GERMINAL CELLS

It does not meet the classification criteria for this hazard class

CARCINOGENICITY

It does not meet the classification criteria for this hazard class

REPRODUCTION TOXICITY

It does not meet the classification criteria for this hazard class

SPECIFIC TARGET ORGAN TOXICITY (STOT) – SINGLE EXPOSURE

It does not meet the classification criteria for this hazard class

SPECIFIC TARGET ORGAN TOXICITY (STOT) – REPEATED EXPOSURE

It does not meet the classification criteria for this hazard class

DANGER IN CASE OF SUCTION

It does not meet the classification criteria for this hazard class

11.2. Information on other hazards

Based on the available data, the substance is not listed in the main European lists of potential or suspected endocrine disruptors with effects on human health under assessment.

SECTION 12. Ecological information

Use according to good working practices, avoiding to disperse the product in the environment. Notify the competent authorities if the product has reached water courses or if it has contaminated the soil or vegetation.

12.1. Toxicity

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LC50 - Pisces

> 100 mg/l/96h

EC50 - Crustaceans

> 100 mg/l/48h

EC50 - Algae / Aquatic Plants

> 200 mg/l/72h

12.2. Persistence and degradability

Information not available

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SECTION 12. Ecological information ... / >>		
12.3. Bioaccumulation potential		
Information not available		
12.4. Mobility in soil		
Information not available		
12.5. Results of PBT and vPvB assessment		
Based on available data, the product does not contain PBT or vPvB substances in percentage $\geq 0.1\%$.		
12.6. Properties of interference with the endocrine system		
Based on the available data, the product does not contain substances listed in the main European lists of potential or suspected endocrine disruptors with effects on the environment being assessed.		
12.7. Other adverse effects		
Information not available		
SECTION 13. Disposal considerations		
13.1. Waste treatment methods		
Reuse if possible. Product residues are to be considered special hazardous waste. The dangerousness of the waste that partially contains this product must be assessed on the basis of the laws in force. Disposal must be entrusted to an authorized waste management company, in compliance with national and possibly local regulations. CONTAMINATED PACKAGING Contaminated packaging must be sent for recovery or disposal in compliance with national waste management regulations.		
SECTION 14. Transport information		
The product is not to be considered dangerous pursuant to the provisions in force on the transport of dangerous goods by road (A.D.R.), by rail (RID), by sea (IMDG Code) and by air (IATA).		
14.1. UN Number or ID number		
Not applicable		
14.2. UN proper shipping name		
Not applicable		
14.3. Transport hazard class(es)		
Not applicable		
14.4. Packaging group		
Not applicable		
14.5. Environmental hazards		
Not applicable		
14.6. Special precautions for user		
Not applicable		
14.7. Bulk shipping in accordance with IMO acts		
Not relevant information		

SECTION 15. Regulatory information**15.1. Safety, health and environmental regulations/legislation specific for the substance or mixture**

Seveso Category - Directive 2012/18/EC: None

Restrictions relating to the product or the substances contained according to Annex XVII Regulation (EC) 1907/2006

Contained substances
Point 75

Regulation (EC) Nr. 2019/1148 - concerning the placing on the market and use of explosives precursors
Not applicable

Substances in Candidate List (Art. 59 REACH)

Based on available data, the product does not contain SVHC substances in percentage $\geq 0.1\%$.

Substances subject to authorization (Annex XIV REACH)

None

Substances subject to export notification obligation Reg. (EC) 649/2012:

None

Substances subject to the Rotterdam Convention:

None

Substances subject to the Stockholm Convention:

None

Sanitary checks

Information not available

15.2. Chemical safety assessment

A chemical safety assessment has not been developed for the mixture / substances indicated in section 3.

SECTION 16. Other information**LEGEND:**

- ADR: European agreement for the transport of dangerous goods by road
- CAS NUMBER: Number of the Chemical Abstract Service
- CE NUMBER: Identification number in ESIS (European archive of existing substances)
- CLP: EC Regulation 1272/2008
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- PEC: Predicted environmental concentration
- PEL: Predictable level of exposure
- PNEC: Predicted No Effect Concentration
- REACH: EC Regulation 1907/2006
- RID: Regulations for the international transport of dangerous goods by train
- STA: Acute Toxicity Estimate

SECTION 16. Other information... / >>

- TLV: Threshold Limit Value
- TLV CEILING: Concentration that must not be exceeded during any moment of occupational exposure.
- TWA: Weighted average exposure limit
- TWA STEL: Short term exposure limit
- VOC: Volatile organic compound
- vPvB: Very persistent and very bioaccumulating according to REACH
- WGK: Water hazard class (Germany).

GENERAL BIBLIOGRAPHY:

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11. Regulation (EU) 2016/918 of the European Parliament (VIII Atp. CLP)
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14. Regulation (EU) 2018/669 (XI Atp. CLP)
15. Regulation (EU) 2019/521 (XII Atp. CLP)
16. Regulation (EU) 2018/1480 (XIII Atp. CLP)
17. Regulation (EU) 2019/1148
18. Regulation (EU) 2020/217 (XIV Atp. CLP)
19. Delegated regulation (EU) 2020/1182 (XV Atp. CLP)
20. Delegated regulation (EU) 2021/643 (XVI Atp. CLP)
21. Delegated regulation (EU) 2021/849 (XVII Atp. CLP)

- The Merck Index. - 10th Edition
- Handling Chemical Safety
- INRS - Fiche Toxicologique (toxicological sheet)
- Patty - Industrial Hygiene and Toxicology
- N.I. Sax - Dangerous properties of Industrial Materials-7, 1989 Edition
- IFA GESTIS website
- ECHA Agency website
- Database of SDS models of chemical substances - Ministry of Health and National Institute of Health

Note for the user:

The information contained in this sheet is based on the knowledge available to us at the date of the latest version. The user must ensure the suitability and completeness of the information in relation to the specific use of the product.

This document should not be construed as a guarantee of any specific property of the product.

Since the use of the product does not fall under our direct control, the user is obliged to observe the laws and regulations in force regarding hygiene and safety under his own responsibility. No responsibility is assumed for improper use.

Provide adequate training to personnel assigned to the use of chemical products.

METHODS OF CALCULATING THE CLASSIFICATION

Physico-chemical hazards: The classification of the product was derived from the criteria established by the CLP Regulation Annex I Part 2. The methods for assessing the physico-chemical properties are reported in section 9.

Health hazards: The classification of the product is based on the calculation methods set out in Annex I of CLP Part 3, unless otherwise indicated in section 11.

Environmental hazards: The classification of the product is based on the calculation methods set out in Annex I of CLP Part 4, unless otherwise indicated in section 12.

Changes from the previous revision

Changes have been made to the following sections:

01/02/05/08/09/10/11/12/13/15/16.

Safety Data Sheet

Compliant with Annex II of REACH - Regulation 2015/830

SECTION 1. Identification of the substance/mixture and of the company/undertaking

1.1. Product identifier

Code: **V49355**
Name: **PINK COLOURING**

1.2. Relevant identified uses of the substance or mixture and uses advised against

Description / Use: **Colouring for playful activities**

1.3. Details of the supplier of the safety data sheet

Company: **CLEMENTONI SPA**
Address: **ZONA INDUSTRIALE FONTENOCE**
62019 RECANATI (MC)
ITALIA
tel.: **07175811**
fax: **071758123**

e-mail of the competent person responsible
for the safety data sheet: **info@clementoni.it**

Responsible for placing on the market: **Technical department**

1.4. Emergency telephone number

For urgent information contact:

**Centro Antiveleni - Osp. Pediatrico Bambino Gesù - Dip. Emergenza e Accettazione
DEA - Roma - Tel. 06 68593726**
Centro Antiveleni - Azienda Ospedaliera Universitaria - Foggia - Tel. 800183459
Centro Antiveleni - Azienda Ospedaliera A. Cardarelli - Napoli - Tel. 081 5453333
Centro Antiveleni - Policlinico Umberto I - Roma - Tel. 06 49978000
Centro Antiveleni - Policlinico A. Gemelli - Roma - Tel. 06 3054343
**Centro Antiveleni - Azienda Ospedaliera Careggi U.O. Tossicologia Medica - Firenze
- Tel. 055 7947819**
**Centro Antiveleni - Centro Nazionale di Informazione Tossicologica - Pavia - Tel.
0382 24444**
Centro Antiveleni - Ospedale Niguarda Cà Granda - Milano - Tel. 02 66101029
**Centro Antiveleni - Azienda Ospedaliera Papa Giovanni XXII - Bergamo - Tel.
800883300**
Centro Antiveleni - Azienda Ospedaliera Integrata Verona - Verona - Tel. 800011858

SECTION 2. Hazards identification

2.1. Classification of the substance or mixture

The product is not classified as dangerous pursuant to the provisions of Regulation (EC) 1272/2008 (CLP) (and subsequent amendments and adjustments).

Hazard classification and indications: --

2.2. Label elements

Hazard pictograms: --

Warnings: --

Hazard statements: --

Precautionary advice: --

2.3. Other hazards

Based on available data, the product does not contain PBT or vPvB substances in percentage $\geq 0.1\%$.

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	V49355 - PINK COLOURING	
SECTION 3. Composition/information on ingredients		
3.1. Substance		
Not relevant information		
3.2. Mixture		
The product does not contain substances classified as dangerous for health or for the environment pursuant to the provisions of Regulation (EU) 1272/2008 (CLP) (and subsequent amendments and adjustments) in quantities that require a declaration.		
SECTION 4. First aid measures		
4.1. Description of first aid measures		
Not specifically necessary. In any case, compliance with the rules of good industrial hygiene is recommended.		
4.2. Most important symptoms and effects, both acute and delayed		
No specific information on symptoms and effects caused by the product is known.		
4.3. Indication of any immediate medical attention and special treatment needed		
Information not available		
SECTION 5. Firefighting measures		
5.1. Extinguishing media		
SUITABLE EXTINGUISHING MEDIA The extinguishing media are the traditional ones: carbon dioxide, foam, powder and nebulized water.		
UNSUITABLE EXTINGUISHING MEDIA No one in particular.		
5.2. Special hazards arising from the substance or mixture		
HAZARDS CAUSED BY EXPOSURE IN THE EVENT OF FIRE Avoid breathing combustion products.		
5.3. Advice for firefighters		
GENERAL INFORMATION Cool the containers with jets of water to avoid product decomposition and the development of substances potentially hazardous to health. Always wear full fire protection equipment. Collect the extinguishing water which must not be discharged into the sewers. Dispose of the contaminated water used for extinguishing and the residue of the fire according to current regulations.		
EQUIPMENT Normal clothing for firefighting, such as an open circuit compressed air breathing apparatus (EN 137), flame retardant suit (EN469), flame retardant gloves (EN 659) and fire brigade boots (HO A29 or A30).		
SECTION 6. Accidental release measures		
6.1. Personal precautions, protective equipment and emergency procedures		
In case of vapors or dust dispersed in the air, adopt respiratory protection. These indications are valid both for the workers and for emergency interventions.		
6.2. Environmental precautions		
Prevent the product from entering sewers, surface water, groundwater.		
6.3. Methods and material for containment and cleaning up		
Dike with earth or inert material. Collect most of the material and eliminate the residue with jets of water. The disposal of contaminated material must be carried out in accordance with the provisions of point 13.		
6.4. Reference to other sections		
Any information regarding personal protection and disposal is given in sections 8 and 13.		

SECTION 7. Handling and storage

7.1. Precautions for safe handling

Handle the product after consulting all the other sections of this safety data sheet. Avoid the dispersion of the product in the environment. Do not eat, drink or smoke during use.

7.2. Conditions for safe storage, including any incompatibilities

Keep the product in clearly labeled containers. Keep containers away from any incompatible materials, checking section 10.

7.3. Specific end use(s)

Information not available

SECTION 8. Exposure controls/personal protection

8.1. Control parameters

2-PHENOXYETHANOL

Predicted concentration of no effect on the environment - PNEC

Reference value in fresh water	0,943	mg/l
Reference value in marine water	0,094	mg/l
Reference value for sediments in fresh water	7237	mg/kg/d
Reference value for sediments in marine water	0,724	mg/kg/d
Reference value for water, intermittent release	3,44	mg/l
Reference value for STP microorganisms	36	mg/l
Reference value for the terrestrial compartment	1,31	mg/kg/d

Health - Derived no-effect level - DNEL / DMEL

Exposure	Effects on general population				Effects on workers			
	Local	Systemic	Local	Systemic	Local	Systemic	Local	Systemic
	acute	acute	chronic	chronic	acute	acute	chronic	chronic
Oral		9,23 mg/kg bw/d		9,23 mg/kg bw/d				
Inhalation			2,41 mg/m3	2,41 mg/m3			5,7 mg/m3	5,7 mg/m3
Dermal							10,42 mg/kg bw/d	20,83 mg/kg bw/d

VND = hazard identified but no DNEL / PNEC available; NEA = no exposure expected; NPI = no hazard identified.

8.2. Exposure controls

Observe the usual safety measures when handling chemicals.

HAND PROTECTION

Unnecessary.

SKIN PROTECTION

Unnecessary.

EYE PROTECTION

Unnecessary.

RESPIRATORY PROTECTION

In case of exceeding the threshold value (e.g. TLV-TWA) of the substance or of one or more of the substances present in the product, it is advisable to wear a mask with a type A filter whose class (1, 2 or 3) must be chosen in relation to the limit concentration of use. (ref. standard EN 14387). If there are gases or vapors of a different nature and / or gases or vapors with particles (aerosols, fumes, mists, etc.), combined filters must be provided.

The use of respiratory protection means is necessary in case the technical measures adopted are not sufficient to limit the exposure of the worker to the threshold values taken into consideration. The protection offered by the masks is however limited.

In the event that the substance in question is odorless or its olfactory threshold is higher than the relative TLV-TWA and in the event of an emergency, wear an open-circuit compressed air breathing apparatus (ref. Standard EN 137) or a self-contained breathing apparatus. outdoor air (ref. EN 138 standard). For the correct choice of the respiratory protection device, refer to the EN 529 standard.

ENVIRONMENTAL EXPOSURE CONTROLS

Emissions from manufacturing processes, including those from ventilation equipment should be controlled for compliance with environmental protection legislation.

SECTION 9. Physical and chemical properties**9.1. Information on basic physical and chemical properties**

Property	Value	Information
Physical state	dust	
Color	pink	
Smell	odorless	
Odor threshold	Not available	
pH	Not available	
Melting or freezing point	Not available	
Initial boiling point	Not available	
Boiling range	Not available	
Flash point	> 93 °C	
Evaporation rate	Not available	
Flammability	Not available	
Lower flammability limit	Not available	
Upper flammability limit	Not available	
Lower explosive limit	Not available	
Upper explosive limit	Not available	
Vapor pressure	17,48 mmHg	
Relative vapor density	Not available	
Relative density	1,00	
Solubility	Not available	
Partition coefficient: n-octanol / water:	Not available	
Auto-ignition temperature	Not available	
Decomposition temperature	Not available	
Kinematic viscosity	Not available	
Explosive properties	Not available	
Oxidizing properties	Not available	

9.2. Other information

Molecular weight	43,129
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SECTION 10. Stability and reactivity**10.1. Reactivity**

There are no particular risks of reaction with other substances in normal conditions of use.

2-PHENOXYETHANOL

In 1% water it reacts weakly acidic (pH = 6).

10.2. Chemical stability

The product is stable under normal conditions of use and storage.

10.3. Possibility of hazardous reactions

In normal conditions of use and storage no dangerous reactions are foreseeable.

10.4. Conditions to avoid

None in particular. However, follow the usual precautions against chemicals.

10.5. Incompatible materials

Information not available

10.6. Hazardous decomposition products

Information not available

SECTION 11. Toxicological information

There are no known episodes of damage to health due to exposure to the product. In any case, it is recommended to operate in compliance with the rules of good industrial hygiene.

11.1. Information on toxicological effectsMetabolism, kinetics, mechanism of action and other information

Information not available

Information on likely routes of exposure

Information not available

Delayed and immediate effects and chronic effects from short and long term exposure

Information not available

Interactive effects

Information not available

ACUTE TOXICITY

ATE (Inhalation) of the mixture:	Not classified (no relevant component)
ATE (Oral) of the mixture:	Not classified (no relevant component)
ATE (Dermal) of the mixture:	Not classified (no relevant component)

D&C RED 28

LD50 (Oral): > 200 mg/kg ratto

LD50 (Dermal): > 2000 mg/kg ratto

SKIN CORROSION / SKIN IRRITATION

It does not meet the classification criteria for this hazard class

SERIOUS EYE DAMAGE / EYE IRRITATION

Does not meet the classification criteria for this hazard class.

RESPIRATORY OR SKIN SENSITIZATION

It does not meet the classification criteria for this hazard class

MUTAGENICITY ON GERMINAL CELLS

It does not meet the classification criteria for this hazard class

CARCINOGENICITY

It does not meet the classification criteria for this hazard class

REPRODUCTION TOXICITY

It does not meet the classification criteria for this hazard class

SPECIFIC TARGET ORGAN TOXICITY (STOT) - SINGLE EXPOSURE

Does not meet the classification criteria for this hazard class

SPECIFIC TARGET ORGAN TOXICITY (STOT) - REPEATED EXPOSURE

Does not meet the classification criteria for this hazard class

DANGER IN CASE OF SUCTION

It does not meet the classification criteria for this hazard class

SECTION 12. Ecological information

Utilizzare secondo le buone pratiche lavorative, evitando di disperdere il prodotto nell'ambiente. Avvisare le autorità competenti se il prodotto ha raggiunto corsi d'acqua o se ha contaminato il suolo o la vegetazione.

12.1. Toxicity

D&C RED 28	
LC50 - Fish	> 100 mg/l/96h zebra fish danio rerio
EC50 - Crustaceans	14,5 mg/l/48h daphnia magna
EC50 - Algae / Aquatic Plants	7,5 mg/l/72h desmodesmus subcapitatus

12.2. Persistence and degradability

Information not available

12.3. Bioaccumulative potential

Information not available

12.4. Mobility in soil

Information not available

12.5. Results of PBT and vPvB assessment

Based on available data, the product does not contain PBT or vPvB substances in percentage $\geq 0.1\%$.

12.6. Other adverse effects

Information not available

SECTION 13. Disposal considerations**13.1. Waste treatment methods**

Reuse if possible. Product residues as such are to be considered special non-hazardous waste.
Disposal must be entrusted to an authorized waste management company, in compliance with national and possibly local regulations.
CONTAMINATED PACKAGING
Contaminated packaging must be sent for recovery or disposal in compliance with national waste management regulations.

SECTION 14. Transport information

The product is not to be considered dangerous pursuant to the provisions in force on the transport of dangerous goods by road (A.D.R.), by rail (RID), by sea (IMDG Code) and by air (IATA).

14.1. UN number

Not applicable

14.2. UN proper shipping name

Not applicable

14.3. Transport hazard class(es)

Not applicable

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SECTION 14. Transport information ... / >>

14.4. Packaging group

Not applicable

14.5. Environmental hazards

Not applicable

14.6.Special precautions for user

Not applicable

14.7. Transport in bulk according to Annex II of MARPOL and the IBC Code

Not relevant information

SECTION 15. Regulatory information

15.1. Safety, health and environmental regulations/legislation specific for the substance or mixture

Seveso Category - Directive 2012/18 / EC:

None

Restrictions relating to the product or the substances contained according to Annex XVII Regulation (EC) 1907/2006

None

Substances in Candidate List (Art. 59 REACH)

Based on available data, the product does not contain SVHC substances in percentage $\geq 0.1\%$.

Substances subject to authorization (Annex XIV REACH)

None

Substances subject to export notification obligation Reg. (EC) 649/2012:

None

Substances subject to the Rotterdam Convention:

None

Substances subject to the Stockholm Convention:

None

Sanitary checks

Information not available

15.2. Chemical safety assessment

A chemical safety assessment has not been developed for the mixture / substances indicated in section 3.

SECTION 16. Other information

LEGEND:

- ADR: European agreement for the transport of dangerous goods by road
- CAS NUMBER: Number of the Chemical Abstract Service
- EC50: Concentration affecting 50% of the population under test
- CE NUMBER: Identification number in ESIS (European archive of existing substances)
- CLP: EC Regulation 1272/2008
- DNEL: Derived no effect level
- EmS: Emergency Schedule
- GHS: Globally Harmonized System for Classification and Labeling of Chemicals
- IATA DGR: Regulations for the transport of dangerous goods of the International Air Transport Association - IC50: Concentration of immobilization of 50% of the population subject to testing

SECTION 16. Other information ... / >>

- IMDG: International maritime code for the transport of dangerous goods
- IMO: International Maritime Organization
- INDEX NUMBER: Identification number in Annex VI of the CLP
- LC50: Lethal Concentration 50%
- LD50: Lethal Dose 50%
- OEL: Occupational exposure level
- PBT: Persistent, bioaccumulating and toxic according to REACH
- PEC: Predicted environmental concentration
- PEL: Predictable level of exposure
- PNEC: Predicted No Effect Concentration
- REACH: EC Regulation 1907/2006
- RID: Regulations for the international transport of dangerous goods by train
- TLV: Threshold Limit Value
- TLV CEILING: Concentration that must not be exceeded during any moment of occupational exposure. - TWA STEL:
Short term exposure limit
- TWA: Weighted average exposure limit
- VOC: Volatile organic compound
- vPvB: Very persistent and very bioaccumulating according to REACH
- WGK: Water hazard class (Germany).

GENERAL BIBLIOGRAPHY:

1. Regulation (EC) 1907/2006 of the European Parliament (REACH)
 2. Regulation (EC) 1272/2008 of the European Parliament (CLP)
 3. Regulation (EU) 790/2009 of the European Parliament (I Atp. CLP)
 4. Regulation (EU) 2015/830 of the European Parliament
 5. Regulation (EU) 286/2011 of the European Parliament (II Atp. CLP)
 6. Regulation (EU) 618/2012 of the European Parliament (III Atp. CLP)
 7. Regulation (EU) 487/2013 of the European Parliament (IV Atp. CLP)
 8. Regulation (EU) 944/2013 of the European Parliament (V Atp. CLP)
 9. Regulation (EU) 605/2014 of the European Parliament (VI Atp. CLP)
 10. Regulation (EU) 2015/1221 of the European Parliament (VII Atp. CLP)
 11. Regulation (EU) 2016/918 of the European Parliament (VIII Atp. CLP)
 12. Regulation (EU) 2016/1179 (IX Atp. CLP)
 13. Regulation (EU) 2017/776 (X Atp. CLP)
 14. Regulation (EU) 2018/669 (XI Atp. CLP)
 15. Regulation (EU) 2018/1480 (XIII Atp. CLP)
 16. Regulation (EU) 2019/521 (XII Atp. CLP)
 17. Regulation (EU) 2019/1148
 18. Regulation (EU) 2020/217 (XIV Atp. CLP)
- The Merck Index. - 10th Edition
 - Handling Chemical Safety
 - INRS - Fiche Toxicologique (toxicological sheet)
 - Patty - Industrial Hygiene and Toxicology
 - N.I. Sax - Dangerous properties of Industrial Materials-7, 1989 Edition
 - IFA GESTIS website
 - ECHA Agency website
 - Database of SDS models of chemical substances - Ministry of Health and National Institute of Health

Note for the user:

The information contained in this sheet is based on the knowledge available to us at the date of the latest version. The user must ensure the suitability and completeness of the information in relation to the specific use of the product.

This document should not be construed as a guarantee of any specific property of the product.

Since the use of the product does not fall under our direct control, the user is obliged to observe the laws and regulations in force regarding hygiene and safety under his own responsibility. No responsibility is assumed for improper use.

Provide adequate training to personnel assigned to the use of chemical products.

METHODS OF CALCULATING THE CLASSIFICATION

Physico-chemical hazards: The classification of the product was derived from the criteria established by the CLP Regulation Annex I Part 2. The methods for assessing the physico-chemical properties are reported in section 9.

Health hazards: The classification of the product is based on the calculation methods set out in Annex I of CLP Part 3, unless otherwise indicated in section 11.

Environmental hazards: The classification of the product is based on the calculation methods set out in Annex I of CLP Part 4, unless otherwise indicated in section 12.

Safety Data Sheet

SECTION 1. Identification of the substance/mixture and of the company/undertaking

1.1. Product identifier

Code: **V49351**
Name **RASPBERRY**

1.2. Relevant identified uses of the substance or mixture and uses advised against

Description /Use **Raspberry-scented fragrance for playful activities.**

1.3. Information on the supplier of the safety data sheet

Company **CLEMENTONI SPA**
Address **ZONA INDUSTRIALE FONTENOCE**
62019 RECANATI (MC)
ITALIA
tel. **07175811**
fax **071758123**

e-mail of the competent person responsible
for the safety data sheet **info@clementoni.it**

Responsible for placing on the market: **Technical department**

1.4. Emergency telephone number (Italy)

For urgent information contact **Centro Antiveleni - Ospedale Niguarda - Milano - Tel 02 66101029**

SECTION 2. Hazards identification

2.1. Classification of the substance or mixture

The product is not classified as dangerous pursuant to the provisions of Regulation (EC) 1272/2008 (CLP) (and subsequent amendments and adjustments).

Hazard classification and indications: --

2.2. Label elements

Hazard pictograms: --

Warnings: --

Hazard statements: --

Precautionary advice: --

2.3. Other dangers

Based on available data, the product does not contain PBT or vPvB substances in percentage $\geq 0.1\%$.

SECTION 3. Composition / information on ingredients

3.1. Substance

Not relevant information

3.2. Mixture

The product does not contain substances classified as dangerous for health or for the environment pursuant to the provisions of Regulation (EU) 1272/2008 (CLP) (and subsequent amendments and adjustments) in quantities that require a declaration.

SECTION 4. First aid measures

4.1. Description of first aid measures

Not specifically necessary. In any case, compliance with the rules of good industrial hygiene is recommended.

4.2. Most important symptoms and effects, both acute and delayed

There are no known episodes of damage to health attributable to the product.

4.3. Indication of any immediate medical attention and special treatment needed

Information not available

SECTION 5. Firefighting measures

5.1. Extinguishing media

SUITABLE EXTINGUISHING MEDIA

The extinguishing media are the traditional ones: carbon dioxide, foam, powder and nebulized water.

UNSUITABLE EXTINGUISHING MEDIA

No one in particular.

5.2. Special hazards arising from the substance or mixture

HAZARDS CAUSED BY EXPOSURE IN THE EVENT OF FIRE

Avoid breathing combustion products.

5.3. Advice for firefighters

GENERAL INFORMATION

Cool the containers with jets of water to avoid product decomposition and the development of substances potentially hazardous to health. Always wear full fire protection equipment. Collect the extinguishing water which must not be discharged into the sewers. Dispose of the contaminated water used for extinguishing and the residue of the fire according to current regulations.

EQUIPMENT

Normal clothing for firefighting, such as an open circuit compressed air breathing apparatus (EN 137), flame retardant suit (EN469), flame retardant gloves (EN 659) and fire brigade boots (HO A29 or A30).

SECTION 6. Accidental release measures

6.1. Personal precautions, protective equipment and emergency procedures

In case of vapors or dust dispersed in the air, adopt respiratory protection. These indications are valid both for the workers and for emergency interventions.

6.2. Environmental precautions

Prevent the product from entering sewers, surface water, groundwater.

6.3. Methods and material for containment and cleaning up

Dike with earth or inert material. Collect most of the material and eliminate the residue with jets of water. The disposal of contaminated material must be carried out in accordance with the provisions of point 13.

6.4. Reference to other sections

Any information regarding personal protection and disposal is given in sections 8 and 13.

SECTION 7. Handling and storage

7.1. Precautions for safe handling

Handle the product after consulting all the other sections of this safety data sheet. Avoid the dispersion of the product in the environment. Do not eat, drink or smoke during use.

7.2. Conditions for safe storage, including any incompatibilities

Keep the product in clearly labeled containers. Keep containers away from any incompatible materials, checking section 10.

SECTION 7. Handling and storage ... / >>

7.3. Specific end use(s)

Information not available

SECTION 8. Exposure controls/personal protection

8.1. Control parameters

PROPYLENGLYCOL								
Predicted concentration of no effect on the environment - PNEC								
Reference value in fresh water					260		mg/l	
Reference value in sea water					26		mg/l	
Reference value for sediments in fresh water					572		mg/kg/d	
Reference value for sediments in sea water					57,2		mg/kg/d	
Reference value for water, intermittent release					183		mg/l	
Reference value for STP microorganisms					20000		mg/l	
Reference value for the terrestrial compartment					50		mg/kg/d	
Health - Derived no-effect level - DNEL / DMEL								
Exposure	Effects on consumers				Effects on workers			
	Local acute	Systemic acute	Local chronic	Systemic chronic	Local acute	Systemic acute	Local chronic	Systemic chronic
Inhalation			10 mg/m3	50 mg/m3			10 mg/m3	168 mg/m3

VND = hazard identified but no DNEL / PNEC available; NEA = no exposure expected; NPI = no hazard identified.

8.2. Exposure controls

Observe the usual safety measures when handling chemicals.

HAND PROTECTION

Unnecessary.

SKIN PROTECTION

Unnecessary.

EYE PROTECTION

Unnecessary.

RESPIRATORY PROTECTION

In case of exceeding the threshold value (e.g. TLV-TWA) of the substance or of one or more of the substances present in the product, it is advisable to wear a mask with a type A filter whose class (1, 2 or 3) must be chosen in relation to the limit concentration of use. (ref. standard EN 14387). If there are gases or vapors of a different nature and / or gases or vapors with particles (aerosols, fumes, mists, etc.), combined filters must be provided.

The use of respiratory protection means is necessary in case the technical measures adopted are not sufficient to limit the exposure of the worker to the threshold values taken into consideration. The protection offered by the masks is however limited.

In the event that the substance in question is odorless or its olfactory threshold is higher than the relative TLV-TWA and in the event of an emergency, wear an open-circuit compressed air breathing apparatus (ref. Standard EN 137) or a self-contained breathing apparatus. outdoor air (ref. EN 138 standard). For the correct choice of the respiratory protection device, refer to the EN 529 standard.

ENVIRONMENTAL EXPOSURE CONTROLS

Emissions from manufacturing processes, including those from ventilation equipment should be controlled for compliance with environmental protection legislation.

SECTION 9. Physical and chemical properties

9.1. Information on basic physical and chemical properties

Property	Value	Information
Physical state	liquid	
Color	red	
Odor	raspberry	
Odor threshold	Not available	
pH	Not available	
Melting or freezing point	Not available	
Initial boiling point	Not available	
Boiling range	Not available	
Flash point	Not available	
Evaporation rate	Not available	

SECTION 9. Physical and chemical properties... / >>

Flammability of solids and gases	Not available
Lower flammability limit	Not available
Upper flammability limit	Not available
Lower explosive limit	Not available
Upper explosive limit	Not available
Vapor pressure	Not available
Vapor density	Not available
Relative density	Not available
Solubility	Not available
Partition coefficient: n-octanol / water:	Not available
Self-ignition temperature	Not available
Decomposition temperature	Not available
Viscosity	Not available
Explosive properties	Not available
Oxidizing properties	Not available

9.2. Other information

Information not available

SECTION 10. Stability and reactivity**10.1. Reactivity**

There are no particular risks of reaction with other substances in normal conditions of use.

PROPYLENGLYCOL

Hygroscopic. Stable in normal conditions of use and storage.

At high temperatures it tends to oxidize to give propionaldehyde and lactic and acetic acid.

10.2. Chemical stability

The product is stable under normal conditions of use and storage.

10.3. Possibility of hazardous reactions

In normal conditions of use and storage no dangerous reactions are foreseeable.

PROPYLENGLYCOL

It can react dangerously with: acid chlorides, acid anhydrides, oxidizing agents.

10.4. Conditions to avoid

None in particular. However, follow the usual precautions against chemicals.

10.5. Incompatible materials

Informazioni non disponibili

10.6. Hazardous decomposition products**PROPYLENGLYCOL**

It can develop: carbon oxides.

SECTION 11. Toxicological information

There are no known episodes of damage to health due to exposure to the product. In any case, it is recommended to operate in compliance with the rules of good industrial hygiene.

11.1. Information on toxicological effectsMetabolism, kinetics, mechanism of action and other information

Information not available

Information on likely routes of exposure

Information not available

Delayed and immediate effects and chronic effects from short and long term exposure

SECTION 11. Toxicological information ... / >>

Information not available

Interactive effects

Information not available

ACUTE TOXICITY

ATE (Inhalation) of the mixture:	Not classified (no relevant component)
ATE (Oral) of the mixture:	Not classified (no relevant component)
ATE (Dermal) of the mixture:	Not classified (no relevant component)

PROPYLENGLYCOL

LD50 (Oral)	> 20000 mg/kg mouse
LD50 (Dermal)	> 2000 mg/kg rabbit

4-(4-hydroxyphenyl)butan-2-one

LD50 (Oral)	1320 mg/kg
-------------	------------

(E) -anethole

LD50 (Oral)	> 1420 mg/kg rat
LD50 (Dermal)	> 4900 mg/kg rabbit
LC50 (Inhalation)	> 5,1 mg/l/4h rat

l-menthol

LD50 (Oral)	> 2000 mg/kg rat
LD50 (Dermal)	> 5000 mg/kg rabbit
LC50 (Inhalation)	5289 mg/m ³ /4h rat

SKIN CORROSION / SKIN IRRITATION

It does not meet the classification criteria for this hazard class

SERIOUS EYE DAMAGE / EYE IRRITATION

It does not meet the classification criteria for this hazard class

RESPIRATORY OR SKIN SENSITIZATION

It does not meet the classification criteria for this hazard class

MUTAGENICITY ON GERMINAL CELLS

It does not meet the classification criteria for this hazard class

CARCINOGENICITY

It does not meet the classification criteria for this hazard class

REPRODUCTION TOXICITY

It does not meet the classification criteria for this hazard class

SPECIFIC TARGET ORGAN TOXICITY (STOT) – SINGLE EXPOSURE

It does not meet the classification criteria for this hazard class

SPECIFIC TARGET ORGAN TOXICITY (STOT) – REPEATED EXPOSURE

It does not meet the classification criteria for this hazard class

DANGER IN CASE OF SUCTION

It does not meet the classification criteria for this hazard class

SECTION 12. Ecological information

Use according to good working practices, avoiding to disperse the product in the environment. Notify the competent authorities if the product has reached water courses or if it has contaminated the soil or vegetation.

12.1. Toxicity

PROPYLENGLYCOL	
LC50 - Pisces	40613 mg/l/96h oncorhynchus mykiss
EC50 - Crustaceans	18340 mg/l/48h mysidopsis bahia
EC50 - Algae / Aquatic Plants	19000 mg/l/72h pseudokirchneriella subcapitata
Chronic NOEC Crustaceans	13020 mg/l ceriodaphnia

I-menthol	
LC50 - Pisces	15,6 mg/l/96h brachydanio rerio
EC50 - Crustaceans	26,6 mg/l/48h daphnia magna
EC50 - Algae / Aquatic Plants	21,4 mg/l/72h desmodesmus subspicatus
Chronic NOEC for Algae / Aquatic Plants	9,65 mg/l desmodesmus subspicatus

12.2. Persistence and degradability

PROPYLENGLYCOL	
Solubility in water	1000 - 10000 mg/l
Quickly degradable	

12.3. Bioaccumulation potential

PROPYLENGLYCOL	
Partition coefficient: n-octanol / water	-1,07
BCF	0,09

12.4. Mobility in soil

PROPYLENGLYCOL	
Partition coefficient: soil / water	0,46

12.5. Results of PBT and vPvB assessment

Based on available data, the product does not contain PBT or vPvB substances in percentage $\geq 0.1\%$.

12.6. Other adverse effects

Information not available

SECTION 13. Disposal considerations**13.1. Waste treatment methods**

Reuse if possible. The residues of the product as such are to be considered special non-hazardous waste.
Disposal must be entrusted to an authorized waste management company, in compliance with national and possibly local regulations.
For solid residues, consider the possibility of disposal in an authorized landfill.
CONTAMINATED PACKAGING
Contaminated packaging must be sent for recovery or disposal in compliance with national waste management regulations.

SECTION 14. Transport information

The product is not to be considered dangerous pursuant to the provisions in force on the transport of dangerous goods by road (A.D.R.), by rail (RID), by sea (IMDG Code) and by air (IATA).

14.1. UN Number

Not applicable

SECTION 14. Transport information ... / >>**14.2. UN proper shipping name**

Not applicable

14.3. Transport hazard class(es)

Not applicable

14.4. Packaging group

Not applicable

14.5. Environmental hazards

Not applicable

14.6. Special precautions for user

Not applicable

14.7. Transport in bulk according to Annex II of MARPOL and the IBC Code

Not relevant information

SECTION 15. Regulatory information**15.1. Safety, health and environmental regulations/legislation specific for the substance or mixture**Seveso Category - Directive 2012/18/CE: NoneRestrictions relating to the product or the substances contained according to Annex XVII Regulation (EC) 1907/2006
NoneSubstances in Candidate List (Art. 59 REACH)
Based on available data, the product does not contain SVHC substances in percentage $\geq 0.1\%$.Substances subject to authorization (Annex XIV REACH)
NoneSubstances subject to export notification obligation Reg. (EC) 649/2012:
NoneSubstances subject to the Rotterdam Convention:
NoneSubstances subject to the Stockholm Convention:
NoneSanitary checks
Information not available**15.2. Chemical safety assessment**

A chemical safety assessment has not been developed / is not yet available for the substance.

SECTION 16. Other information**LEGEND:**

- ADR: European agreement for the transport of dangerous goods by road
- CAS NUMBER: Number of the Chemical Abstract Service
- EC50: Concentration affecting 50% of the population under test
- CE NUMBER: Identification number in ESIS (European archive of existing substances)
- CLP: EC Regulation 1272/2008
- DNEL: Derived no effect level
- EmS: Emergency Schedule
- GHS: Globally Harmonized System for Classification and Labeling of Chemicals
- IATA DGR: Regulations for the transport of dangerous goods of the International Air Transport Association
- IC50: Concentration of immobilization of 50% of the population subject to testing
- IMDG: International maritime code for the transport of dangerous goods
- IMO: International Maritime Organization
- INDEX NUMBER: Identification number in Annex VI of the CLP
- LC50: Lethal Concentration 50%
- LD50: Lethal Dose 50%
- OEL: Occupational exposure level
- PBT: Persistent, bioaccumulating and toxic according to REACH
- PEC: Predicted environmental concentration
- PEL: Predictable level of exposure
- PNEC: Predicted No Effect Concentration
- REACH: EC Regulation 1907/2006
- RID: Regulations for the international transport of dangerous goods by train
- TLV: Threshold Limit Value
- TLV CEILING: Concentration that must not be exceeded during any moment of occupational exposure.
- TWA STEL: Short term exposure limit
- TWA: Weighted average exposure limit
- VOC: Volatile organic compound
- vPvB: Very persistent and very bioaccumulating according to REACH
- WGK: Water hazard class (Germany).

GENERAL BIBLIOGRAPHY:

1. Regulation (EC) 1907/2006 of the European Parliament (REACH)
2. Regulation (EC) 1272/2008 of the European Parliament (CLP)
3. Regulation (EU) 790/2009 of the European Parliament (I Atp. CLP)
4. Regulation (EU) 2015/830 of the European Parliament
5. Regulation (EU) 286/2011 of the European Parliament (II Atp. CLP)
6. Regulation (EU) 618/2012 of the European Parliament (III Atp. CLP)
7. Regulation (EU) 487/2013 of the European Parliament (IV Atp. CLP)
8. Regulation (EU) 944/2013 of the European Parliament (V Atp. CLP)
9. Regulation (EU) 605/2014 of the European Parliament (VI Atp. CLP)
10. Regulation (EU) 2015/1221 of the European Parliament (VII Atp. CLP)
11. Regulation (EU) 2016/918 of the European Parliament (VIII Atp. CLP)
12. Regulation (EU) 2016/1179 (IX Atp. CLP)
13. Regulation (EU) 2017/776 (X Atp. CLP)
14. Regulation (EU) 2018/669 (XI Atp. CLP)
15. Regulation (EU) 2018/1480 (XIII Atp. CLP)
16. Regulation (EU) 2019/521 (XII Atp. CLP)

- The Merck Index. - 10th Edition
- Handling Chemical Safety
- INRS - Fiche Toxicologique (toxicological sheet)
- Patty - Industrial Hygiene and Toxicology
- N.I. Sax - Dangerous properties of Industrial Materials-7, 1989 Edition
- IFA GESTIS website
- ECHA Agency website
- Database of SDS models of chemical substances - Ministry of Health and National Institute of Health

Note for the user:

The information contained in this sheet is based on the knowledge available to us at the date of the latest version. The user must ensure the suitability and completeness of the information in relation to the specific use of the product.

This document should not be construed as a guarantee of any specific property of the product.

Since the use of the product does not fall under our direct control, it is the user's obligation to observe the laws and regulations in force regarding hygiene and safety under his own responsibility. No responsibility is assumed for improper use.

Provide adequate training to personnel assigned to the use of chemical products.

SECTION 16. Other information ... / >>**METHODS OF CALCULATING THE CLASSIFICATION**

Physico-chemical hazards: The classification of the product was derived from the criteria established by the CLP Regulation Annex I Part 2. The methods for assessing the physico-chemical properties are reported in section 9.

Health hazards: The classification of the product is based on the calculation methods set out in Annex I of CLP Part 3, unless otherwise indicated in section 11.

Environmental hazards: The classification of the product is based on the calculation methods set out in Annex I of CLP Part 4, unless otherwise indicated in section 12.