

Safety Data Sheet

According to Annex II to REACH - Regulation (EU) 2020/878

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

1.1. Product identifier

Code: REF 10100
Product name: CP0202 VIOLET BLUE GLOSS

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

Intended use: Cosmetic product. Nail cosmetics

1.3. Details of the supplier of the safety data sheet

Name: PASSIONE BEAUTY S.P.A.
Full address: Viale Crispi 89-93
District and Country: 36100 Vicenza (VI)
Italia
Tel.: +39 0444-239569
e-mail address of the competent person responsible for the Safety Data Sheet: quality@pucosmetica.it

1.4. Emergency telephone number

For urgent inquiries refer to: +39 0444-239569

SECTION 2. Hazards identification

2.1. Classification of the substance or mixture

The product is classified as hazardous pursuant to the provisions set forth in (EC) Regulation 1272/2008 (CLP) (and subsequent amendments and supplements). The product thus requires a safety datasheet that complies with the provisions of (EU) Regulation 2020/878.

Any additional information concerning the risks for health and/or the environment are given in sections 11 and 12 of this sheet.

Hazard classification and indication:

Eye irritation, category 2	H319	Causes serious eye irritation.
Skin irritation, category 2	H315	Causes skin irritation.
Skin sensitization, category 1	H317	May cause an allergic skin reaction.
Hazardous to the aquatic environment, acute toxicity, category 1	H400	Very toxic to aquatic life.
Hazardous to the aquatic environment, chronic toxicity, category 2	H411	Toxic to aquatic life with long lasting effects.

2.2. Label elements

Hazard labelling pursuant to EC Regulation 1272/2008 (CLP) and subsequent amendments and supplements.

Hazard pictograms:



Signal word: Warning

Hazard statements:

H319	Causes serious eye irritation.
H315	Causes skin irritation.
H317	May cause an allergic skin reaction.
H400	Very toxic to aquatic life.

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SECTION 2. Hazards identification ... / >>

H411 Toxic to aquatic life with long lasting effects.

Precautionary statements:

P280 Wear protective gloves / eye protection / face protection.
P273 Avoid release to the environment.
P391 Collect spillage.
P261 Avoid breathing dust / fume / gas / mist / vapours / spray.
P333+P313 If skin irritation or rash occurs: Get medical advice / attention.
P337+P313 If eye irritation persists: Get medical advice / attention.

Contains: PENTAERYTHRITOL TETRAMERCAPTOPROPIONATE
 ETHYL TRIMETHYLBENZOYL PHENYLPHOSPHINATE
 Peg-4 Trimethylolpropane Triacrylate
 P-HYDROXYANISOLE

The product is classified both in acute and long-term aquatic hazard categories: it is possible to use only hazard statement H410 on the label.

2.3. Other hazards

On the basis of available data, the product does not contain any PBT or vPvB in percentage $\geq$ than 0,1%.

The product does not contain substances with endocrine disrupting properties in concentration $\geq$ 0.1%.

SECTION 3. Composition/information on ingredients

3.2. Mixtures

Contains:

Identification	x = Conc. %	Classification (EC) 1272/2008 (CLP)
Peg-4 Trimethylolpropane Triacrylate		
INDEX	$70 \leq x < 74$	Eye Irrit. 2 H319, Skin Sens. 1B H317, Aquatic Chronic 3 H412
EC	500-066-5	
CAS	28961-43-5	
BIS(PENTAERYTHRITYL TRIACRYLATE) PENTAERYTHRITOL		
INDEX	$22,5 \leq x < 24$	Eye Irrit. 2 H319, Skin Irrit. 2 H315
EC		
CAS		
ETHYL TRIMETHYLBENZOYL PHENYLPHOSPHINATE		
INDEX	$4 \leq x < 4,5$	Acute Tox. 4 H312, Skin Sens. 1B H317, Aquatic Chronic 2 H411
EC	282-810-6	ATE Dermal: 1100 mg/kg
CAS	84434-11-7	
CALCIUM AND ALUMINUM BOROSILICATE		
INDEX	$0,809 \leq x < 0,909$	Aquatic Acute 1 H400 M=1
EC	266-046-0	
CAS	65997-17-3	
PENTAERYTHRITOL TETRAMERCAPTOPROPIONATE		
INDEX	$0,809 \leq x < 0,909$	Acute Tox. 4 H302, Acute Tox. 4 H332, Skin Sens. 1A H317, Aquatic Acute 1 H400 M=1, Aquatic Chronic 2 H411
EC	231-472-8	ATE Oral: 500 mg/kg, ATE Inhalation mists/powders: 1,5 mg/l, ATE Inhalation vapours: 11 mg/l
CAS	7575-23-7	
P-HYDROXYANISOLE		
INDEX	$0,1 \leq x < 0,15$	Acute Tox. 4 H302, Eye Irrit. 2 H319, Skin Sens. 1 H317, Aquatic Chronic 2 H411
EC	205-769-8	ATE Oral: 500 mg/kg
CAS	150-76-5	

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

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

General notes

Don't leave the victim alone. Remove the victim from the risk area. Calm the victim, keep him covered and warm. Take off contaminated clothing immediately. If in doubt or if symptoms persist, notify your doctor. If the subject is unconscious, transport him in a stable position on his side. Do not give anything.

If inhaled

If breathing is irregular or steady, give artificial respiration and call a doctor immediately. In case of respiratory tract irritation, consult a doctor. Provide fresh air. May cause allergy or asthma symptoms or breathing difficulties if inhaled. Apply the cortisone spray immediately.

In contact with skin

Wash thoroughly with soap and water. Remove all contaminated clothing immediately. In case of skin irritation or rash: consult a doctor.

In contact with eyes

Remove any contact lenses if it is easy to do so. Continue rinsing. Wash with running water for 10 minutes keeping the eyelids open.

Immediately call a POISON CENTER or doctor.

If ingested

Rinse mouth with water (only if the injured person is conscious). DO NOT induce vomiting.

Rescuer protection

Information not available

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

There are currently no known symptoms and effects.

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

Nothing

Means to have available in the workplace for specific and immediate treatment

Information not available

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

Suitable extinguishing media

Water spray, BC powder, Carbon dioxide (CO₂)

Unsuitable extinguishing media

Water jet

5.2. Special hazards arising from the substance or mixture

Hazardous combustion products

Carbon Monoxide (CO), Carbon Dioxide (CO₂)

5.3. Advice for firefighters

In case of fire and/or explosion do not breathe the fumes. Coordinate fire -fighting measures in the surrounding areas. Prevent the plowing of firefighting water in sewer and waterways. Collect the contaminated fire -fighting water.

Use the extinguishing means with the usual precautions at a reasonable distance.

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

For those who do not intervene directly

Bring victims to safety. Avoid contact with eyes and skin.

For those who intervene directly

Wear a respirator if exposed to vapours/dusts/aerosols/gases.

6.2. Environmental precautions

Keep away from drains, surface water and groundwater. Contain contaminated washing water and dispose of it. If the material has entered a watercourse or sewer, inform the Competent Authority.

SECTION 6. Accidental release measures ... / >>**6.3. Methods and material for containment and cleaning up**

Recommendations on how to contain a spill
Drain coverage
Recommendations on how to clean up a spill
Collect with absorbent material (e.g. tea towel, fleece). Collect spilled material: sawdust, kieselgur (diatomite), sand, universal binder
Adequate containment techniques
Use of adsorbent materials.
Other information relating to spills and releases
Place in appropriate containers for disposal. Ventilate the affected area.

6.4. Reference to other sections

Hazardous combustion products: see section 5. Personal protective equipment: see section 8. Incompatible materials: see section 10.
Disposal considerations: see section 13.

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

Recommendations
- measures to prevent fires and the formation of aerosols and dust
Use local and general ventilation. Use only in a well-ventilated place.
Generic recommendations on professional hygiene
Wash your hands after use. Do not eat, drink or smoke in work areas. Remove contaminated clothing and protective equipment before entering eating areas. Never keep food or drinks in the presence of chemicals. Never put chemicals in containers that are typically used for food or drinks.
Keep away from food or feed and drinks.

7.2. Conditions for safe storage, including any incompatibilities

Protect from: UV rays/sunlight, Heat, Cold, Moisture, Store only in the original container, Storage temperature: 10-25°C
Packaging compatibility: Only approved packaging (e.g. according to ADR) may be used.

7.3. Specific end use(s)

See section 16 for a general overview.

SECTION 8. Exposure controls/personal protection**8.1. Control parameters****P-HYDROXYANISOLE****Predicted no-effect concentration - PNEC**

Normal value in fresh water	0,014	mg/l
Normal value in marine water	0,001	mg/l
Normal value for fresh water sediment	0,125	mg/kg/d
Normal value for marine water sediment	0,013	mg/kg
Normal value of STP microorganisms	10	mg/l
Normal value for the terrestrial compartment	0,017	mg/kg

Health - Derived no-effect level - DNEL / DMEL

Route of exposure	Effects on consumers				Effects on workers			
	Acute	Acute	Chronic	Chronic	Acute local	Acute	Chronic	Chronic
	local	systemic	local	systemic		systemic	local	systemic
Inhalation						10 mg/m3		3 mg/m3

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

Peg-4 Trimethylolpropane Triacrylate

Predicted no-effect concentration - PNEC

Normal value in fresh water	0,002	mg/l
Normal value in marine water	0	mg/l
Normal value for fresh water sediment	0,038	mg/kg
Normal value for marine water sediment	0,004	mg/kg
Normal value of STP microorganisms	10	mg/l
Normal value for the terrestrial compartment	0,006	mg/kg

Health - Derived no-effect level - DNEL / DMEL

Route of exposure	Effects on consumers				Effects on workers			
	Acute	Acute	Chronic	Chronic	Acute local	Acute	Chronic	Chronic
	local	systemic	local	systemic		systemic	local	systemic
Inhalation								37 mg/m3
Skin								10,5 mg/kg bw/d

CALCIUM AND ALUMINUM BOROSILICATE

Predicted no-effect concentration - PNEC

Normal value in fresh water	6,5	µg/l
Normal value in marine water	3,4	µg/l
Normal value for fresh water sediment	174	mg/kg
Normal value for marine water sediment	164	mg/kg
Normal value of STP microorganisms	100	µg/l
Normal value for the terrestrial compartment	147	mg/kg

Health - Derived no-effect level - DNEL / DMEL

Route of exposure	Effects on consumers				Effects on workers			
	Acute	Acute	Chronic	Chronic	Acute local	Acute	Chronic	Chronic
	local	systemic	local	systemic		systemic	local	systemic
Inhalation							0,14 mg/m3	

PENTAERYTHRITOL TETRAMERCAPTOPROPIONATE

Predicted no-effect concentration - PNEC

Normal value for fresh water sediment	0,018	mg/kg
Normal value for marine water sediment	0,002	mg/kg
Normal value of STP microorganisms	2,39	mg/l
Normal value for the terrestrial compartment	0,003	mg/kg

Health - Derived no-effect level - DNEL / DMEL

Route of exposure	Effects on consumers				Effects on workers			
	Acute	Acute	Chronic	Chronic	Acute local	Acute	Chronic	Chronic
	local	systemic	local	systemic		systemic	local	systemic
Inhalation					40,13 mg/m3	40,13 mg/m3		4,93 mg/m3
Skin								7 mg/kg bw/d

ETHYL TRIMETHYLBENZOYL PHENYLPHOSPHINATE

Predicted no-effect concentration - PNEC

Normal value for fresh water sediment	0,24	mg/kg
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Health - Derived no-effect level - DNEL / DMEL

Route of exposure	Effects on consumers				Effects on workers			
	Acute	Acute	Chronic	Chronic	Acute local	Acute	Chronic	Chronic
	local	systemic	local	systemic		systemic	local	systemic
Inhalation								4,93 mg/m3
Skin								1,4 mg/kg bw/d

VND = hazard identified but no DNEL/PNEC available ; NEA = no exposure expected ; NPI = no hazard identified ; LOW = low hazard ; MED = medium hazard ; HIGH = high hazard.

ETHYL TRIMETHYLBENZOYL PHENYLPHOSPHINATE

PNEC: 1.01 µg/L Aquatic organisms, water, short -term sweets (isolated case)

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

PNEC: 0.101 µg/LA Aquatic organisms, waters, short -term marine (isolated case)

PNEC: 24 µg/kg aquatic organisms, marine sediments, short term (isolated case)

PNEC: 47.5 µg/kg terrestrial organisms, soil, short term (isolated case)

PENTAERYTHRITOL TETRAMERCAPTOPROPIONATE

PNEC: 0.34 µg/l aquatic organisms, water, discontinuous release

PNEC: 0.42 µg/l aquatic organisms, waters, freshwater short term (isolated case)

PNEC: 0.042 µg/l aquatic organisms, marine waters, short term (isolated case)

8.2. Exposure controls

As the use of adequate technical equipment must always take priority over personal protective equipment, make sure that the workplace is well aired through effective local aspiration.

When choosing personal protective equipment, ask your chemical substance supplier for advice.

Personal protective equipment must be CE marked, showing that it complies with applicable standards.

Provide an emergency shower with face and eye wash station.

HAND PROTECTION

Protect hands with category III work gloves.

The following should be considered when choosing work glove material (see standard EN 374): compatibility, degradation, permeability time.

The work gloves' resistance to chemical agents should be checked before use, as it can be unpredictable. The gloves' wear time depends on the duration and type of use.

Protect your hands with gloves of the following type:

Protective gloves resistant to chemical substance (EN 374).

SKIN PROTECTION

Wear category II professional long-sleeved overalls and safety footwear (see Regulation 2016/425 and standard EN ISO 20344). Wash body with soap and water after removing protective clothing.

EYE PROTECTION

Wear airtight protective goggles (see standard EN ISO 16321).

RESPIRATORY PROTECTION

Respiratory protection devices must be used if the technical measures adopted are not suitable for restricting the worker's exposure to the threshold values considered. Use a mask with a type B filter whose class (1, 2 or 3) must be chosen according to the limit of use concentration. (see standard EN 14387).

If the substance considered is odourless or its olfactory threshold is higher than the corresponding TLV-TWA and in the case of an emergency, wear open-circuit compressed air breathing apparatus (in compliance with standard EN 137) or external air-intake breathing apparatus (in compliance with standard EN 138). For a correct choice of respiratory protection device, see standard EN 529.

ENVIRONMENTAL EXPOSURE CONTROLS

The emissions generated by manufacturing processes, including those generated by ventilation equipment, should be checked to ensure compliance with environmental standards.

Product residues must not be indiscriminately disposed of with waste water or by dumping in waterways.

SECTION 9. Physical and chemical properties

9.1. Information on basic physical and chemical properties

Properties	Value	Information
Appearance	liquid	
Colour	blu violetto	
Odour	characteristic	
Melting point / freezing point	not available	
Initial boiling point	not available	
Flammability	questo è un materiale combustibile ma non si accende facilmente	
Lower explosive limit	not available	
Upper explosive limit	not available	
Flash point	50,5 < T < 75 °C	Remark:50.5 – 75 °C at 101.3 Pa
Auto-ignition temperature	not available	
Decomposition temperature	not available	Remark:irrelevant
pH	not available	
Kinematic viscosity	not available	
Solubility	not available	
Partition coefficient: n-octanol/water	not available	Remark:questa informazione non è disponibile
Vapour pressure	not available	
Density and/or relative density	1,14 g/ml	
Relative vapour density	not available	Remark:non sono disponibili informazioni su questa proprietà

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

Particle characteristics

Median equivalent diameter

Remark: irrilevante (liquido)

9.2. Other information

9.2.1. Information with regard to physical hazard classes

Flammable liquids

Sustained combustibility no (it did not produce prolonged combustion)

9.2.2. Other safety characteristics

Liquid contents 0%

SECTION 10. Stability and reactivity

10.1. Reactivity

Regarding incompatibility: cf. under "Conditions to Avoid" and "Incompatible Materials".

If heated:

Exothermic polymerization

When exposed to light:

Exothermic polymerization.

10.2. Chemical stability

See "Conditions to Avoid" below.

10.3. Possibility of hazardous reactions

No known dangerous reactions.

10.4. Conditions to avoid

Keep away from heat, hot surfaces, sparks, open flames or other sources of ignition. Don't smoke. Store away from heat. UV rays/sunlight.

10.5. Incompatible materials

Reducing, There is no additional information.

10.6. Hazardous decomposition products

There are no known reasonably foreseeable hazardous decomposition products resulting from use, storage, spillage and heating. Hazardous combustion products: see section 5.

SECTION 11. Toxicological information

In the absence of experimental data for the product itself, health hazards are evaluated according to the properties of the substances it contains, using the criteria specified in the applicable regulation for classification.

It is therefore necessary to take into account the concentration of the individual hazardous substances indicated in section 3, to evaluate the toxicological effects of exposure to the product.

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

Metabolism, toxicokinetics, mechanism of action and other information

Information not available

Information on likely routes of exposure

Information not available

SECTION 11. Toxicological information ... / >>

Delayed and immediate effects as well as 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 significant component)

ATE (Oral) of the mixture: Not classified (no significant component)

ATE (Dermal) of the mixture: >2000 mg/kg

Peg-4 Trimethylolpropane Triacrylate

Exhibition route: oral. Sta:> 2,000 mg/kg

ETHYL TRIMETHYLBENZOYL PHENYLPHOSPHINATE

ATE (Dermal): 1100 mg/kg estimate from table 3.1.2 of Annex I of the CLP
(figure used for calculation of the acute toxicity estimate of the mixture)

CALCIUM AND ALUMINUM BOROSILICATE

LD50 (Oral): > 2000 mg/kg

PENTAERYTHRITOL TETRAMERCAPTOPROPIONATE

ATE (Oral): 500 mg/kg estimate from table 3.1.2 of Annex I of the CLP

ATE (Inhalation mists/powders): 1,5 mg/l estimate from table 3.1.2 of Annex I of the CLP

ATE (Inhalation vapours): 11 mg/l estimate from table 3.1.2 of Annex I of the CLP

PENTAERYTHRITOL TETRAMERCAPTOPROPIONATE

Route of exposure: oral. ATE: >1,000 mg/kg

Route of exposure: inhalation: vapour. ATE: 11 mg/l/4h

Route of exposure: inhalation: dust/aerosol. ATE: >3.363 mg/l/4h

P-HYDROXYANISOLE

ATE (Oral): 500 mg/kg estimate from table 3.1.2 of Annex I of the CLP

P-HYDROXYANISOLE

Exhibition route: oral. Sta: 500 mg/kg

Via SEE: Dermica- sta:> 2,000 mg/kg

SKIN CORROSION / IRRITATION

Causes skin irritation

SERIOUS EYE DAMAGE / IRRITATION

Causes serious eye irritation

RESPIRATORY OR SKIN SENSITISATION

Sensitising for the skin

GERM CELL MUTAGENICITY

Does not meet the classification criteria for this hazard class

CARCINOGENICITY

Does not meet the classification criteria for this hazard class

REPRODUCTIVE TOXICITY

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SECTION 11. Toxicological information ... / >>

Does not meet the classification criteria for this hazard class

STOT - SINGLE EXPOSURE

Does not meet the classification criteria for this hazard class

STOT - REPEATED EXPOSURE

Does not meet the classification criteria for this hazard class

ASPIRATION HAZARD

Does not meet the classification criteria for this hazard class

11.2. Information on other hazards

Based on the available data, the product does not contain substances listed in the main European lists of potential or suspected endocrine disruptors with human health effects under evaluation.

SECTION 12. Ecological information

This product is dangerous for the environment and highly toxic for aquatic organisms.

This product is dangerous for the environment and is toxic for aquatic organisms. In the long term, it has negative effects on the aquatic environment.

12.1. Toxicity

Peg-4 Trimethylolpropane Triacrylate

LC50 - for Fish

1,95 mg/l/96h pesce zebra (Danio rerio)

EC50 - for Crustacea

70,7 mg/l/48h DAPHNIA MAGNA

EC50 - for Algae / Aquatic Plants

> 9,3 mg/l/72h ALGA

ETHYL TRIMETHYLBENZOYL PHENYLPHOSPHINATE

LC50 - for Fish

1,89 mg/l/96h pesce zebra (Danio rerio)

EC50 - for Crustacea

2,26 mg/l/48h daphna magna

ERC50 1.01 mg/l alga 72 h

EC50> 1,000 mg/l microorganisms 180 min

CALCIUM AND ALUMINUM BOROSILICATE

LC50 - for Fish

> 1000 mg/l pesce zebra (Danio rerio)

ErC50 35.9 µg/l algae 48 h

EC50 >1,000 mg/l fish 96 h

PENTAERYTHRITOL TETRAMERCAPTOPROPIONATE

LC50 - for Fish

0,42 mg/l/96h trota iridea (Oncorhynchus mykiss)

EC50 - for Crustacea

> 0,35 mg/l/48h daphnia magna

ErC50 >0.65 mg/l algae 0 h

EC50 >0.65 mg/l algae 0 h

P-HYDROXYANISOLE

LC50 - for Fish

28,5 mg/l/96h trota iridea (Oncorhynchus mykiss)

EC50 - for Crustacea

3 mg/l/48h daphnia magna

ERC50 54.7 mg/l alga 72 h

Lk50> 1.45 mg/l Daphnia Magna 21 days

EC50 1.42 mg/l Daphnia Magna 21 days

12.2. Persistence and degradability

Peg-4 Trimethylolpropane Triacrylate

Process: carbon dioxide formation

Degradation speed: 58 - 61%

Time: 28 days

Source: Echa Chem

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SECTION 12. Ecological information ... / >>

ETHYL TRIMETHYLBENZOYL PHENYLPHOSPHINATE

Process: oxygen depletion. Degradation rate: <10%. Time: 28 days. Source: ECHA Chem

PENTAERYTHRITOL TETRAMERCAPTOPROPIONATE

Process: carbon dioxide formation

Degradation speed: 0%

Time: 1 day

Source: Echa Chem

12.3. Bioaccumulative potential

Peg-4 Trimethylolpropane Triacrylate

Partition coefficient: n-octanol/water 2,89 23°

ETHYL TRIMETHYLBENZOYL PHENYLPHOSPHINATE

Partition coefficient: n-octanol/water 2,91 25°C

PENTAERYTHRITOL TETRAMERCAPTOPROPIONATE

Partition coefficient: n-octanol/water 3,03 30°C

BCF 23,7

12.4. Mobility in soil

Information not available

12.5. Results of PBT and vPvB assessment

On the basis of available data, the product does not contain any PBT or vPvB in percentage $\geq$ than 0,1%.

12.6. Endocrine disrupting properties

Based on the available data, the product does not contain substances listed in the main European lists of potential or suspected endocrine disruptors with environmental effects under evaluation.

12.7. Other adverse effects

Information not available

SECTION 13. Disposal considerations

13.1. Waste treatment methods

Reuse, when possible. Product residues should be considered special hazardous waste. The hazard level of waste containing this product should be evaluated according to applicable regulations.

Disposal must be performed through an authorised waste management firm, in compliance with national and local regulations.

Waste transportation may be subject to ADR restrictions.

The management of waste arising from the use or dispersal of this product must be organised in accordance with occupational safety regulations. See section 8 for possible need for PPE.

CONTAMINATED PACKAGING

Contaminated packaging must be recovered or disposed of in compliance with national waste management regulations.

SECTION 14. Transport information

14.1. UN number or ID number

ADR / RID, IMDG, IATA: UN 3082

ADR / RID: In accordance with Special Provision 375, this product, when is packed in receptacles of a capacity $\leq$ 5Kg or 5L, is not submitted to ADR provisions.IMDG: In accordance with Special Provision 375, this product, when is packed in receptacles of a capacity $\leq$ 5Kg or 5L, is not submitted to IMDG Code provisions.IATA: In accordance with SP A197, this product, when is packed in receptacles of a capacity $\leq$ 5Kg or 5L, is not submitted to IATA dangerous goods regulations.

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SECTION 14. Transport information ... / >>

14.2. UN proper shipping name

ADR / RID: ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S. (PENTAERYTHRITIL TETRAMERCAPTOPROPIONATE; ETHYL TRIMETHYLBENZOYL PHENYLPHOSPHINATE)

IMDG: ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S. (PENTAERYTHRITIL TETRAMERCAPTOPROPIONATE; ETHYL TRIMETHYLBENZOYL PHENYLPHOSPHINATE)

IATA: ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S. (PENTAERYTHRITIL TETRAMERCAPTOPROPIONATE; ETHYL TRIMETHYLBENZOYL PHENYLPHOSPHINATE)

14.3. Transport hazard class(es)

ADR / RID: Class: 9 Label: 9

IMDG: Class: 9 Label: 9

IATA: Class: 9 Label: 9



14.4. Packing group

ADR / RID, IMDG, IATA: III

14.5. Environmental hazards

ADR / RID: Environmentally Hazardous

IMDG: Marine Pollutant

IATA: Environmentally Hazardous



14.6. Special precautions for user

ADR / RID:	HIN - Kemler: 90	Limited Quantities: 5 lt	Tunnel restriction code: (-)
	Special provision: 274, 335, 375, 601, 650		
IMDG:	EMS: F-A, S-F	Limited Quantities: 5 lt	
IATA:	Cargo:	Maximum quantity: 450 L	Packaging instructions: 964
	Passengers:	Maximum quantity: 450 L	Packaging instructions: 964
	Special provision:	A97, A158, A197, A215	

14.7. Maritime transport in bulk according to IMO instruments

Information not relevant

SECTION 15. Regulatory information

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

Seveso Category - Directive 2012/18/EU: E1

Restrictions relating to the product or contained substances pursuant to Annex XVII to EC Regulation 1907/2006

Product

Point 3

Regulation (EU) 2019/1148 - on the marketing and use of explosives precursors
not applicable

Substances in Candidate List (Art. 59 REACH)

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SECTION 15. Regulatory information ... / >>

On the basis of available data, the product does not contain any SVHC in percentage $\geq$ than 0,1%.

Substances subject to authorisation (Annex XIV REACH)

None

Substances subject to exportation reporting pursuant to Regulation (EU) 649/2012:

None

Substances subject to the Rotterdam Convention:

None

Substances subject to the Stockholm Convention:

None

Healthcare controls

Workers exposed to this chemical agent must not undergo health checks, provided that available risk-assessment data prove that the risks related to the workers' health and safety are modest and that the 98/24/EC directive is respected.

15.2. Chemical safety assessment

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

SECTION 16. Other information

Text of hazard (H) indications mentioned in section 2-3 of the sheet:

Acute Tox. 4	Acute toxicity, category 4
Eye Irrit. 2	Eye irritation, category 2
Skin Irrit. 2	Skin irritation, category 2
Skin Sens. 1	Skin sensitization, category 1
Skin Sens. 1A	Skin sensitization, category 1A
Skin Sens. 1B	Skin sensitization, category 1B
Aquatic Acute 1	Hazardous to the aquatic environment, acute toxicity, category 1
Aquatic Chronic 2	Hazardous to the aquatic environment, chronic toxicity, category 2
Aquatic Chronic 3	Hazardous to the aquatic environment, chronic toxicity, category 3
H302	Harmful if swallowed.
H312	Harmful in contact with skin.
H332	Harmful if inhaled.
H319	Causes serious eye irritation.
H315	Causes skin irritation.
H317	May cause an allergic skin reaction.
H400	Very toxic to aquatic life.
H411	Toxic to aquatic life with long lasting effects.
H412	Harmful to aquatic life with long lasting effects.

LEGEND:

- ADR: European Agreement concerning the carriage of Dangerous goods by Road
- ATE: Acute Toxicity Estimate
- CAS: Chemical Abstract Service Number
- CE50: Effective concentration (required to induce a 50% effect)
- CE: Identifier in ESIS (European archive of existing substances)
- CLP: Regulation (EC) 1272/2008
- DNEL: Derived No Effect Level
- EmS: Emergency Schedule
- GHS: Globally Harmonized System of classification and labeling of chemicals
- IATA DGR: International Air Transport Association Dangerous Goods Regulation
- IC50: Immobilization Concentration 50%
- IMDG: International Maritime Code for dangerous goods
- IMO: International Maritime Organization
- INDEX: Identifier in Annex VI of CLP
- LC50: Lethal Concentration 50%
- LD50: Lethal dose 50%
- OEL: Occupational Exposure Level
- PBT: Persistent, bioaccumulative and toxic
- PEC: Predicted environmental Concentration
- PEL: Predicted exposure level
- PMT: Persistent, mobile and toxic
- PNEC: Predicted no effect concentration

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SECTION 16. Other information ... / >>

- REACH: Regulation (EC) 1907/2006
- RID: Regulation concerning the international transport of dangerous goods by train
- TLV: Threshold Limit Value
- TLV CEILING: Concentration that should not be exceeded during any time of occupational exposure.
- TWA: Time-weighted average exposure limit
- TWA STEL: Short-term exposure limit
- VOC: Volatile organic Compounds
- vPvB: Very persistent and very bioaccumulative
- vPvM: Very persistent and very mobile
- WGK: Water hazard classes (German).

GENERAL BIBLIOGRAPHY

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2. Regulation (EC) 1272/2008 (CLP) of the European Parliament
3. Regulation (EU) 2020/878 (II Annex of REACH Regulation)
4. Regulation (EC) 790/2009 (I Atp. CLP) of the European Parliament
5. Regulation (EU) 286/2011 (II Atp. CLP) of the European Parliament
6. Regulation (EU) 618/2012 (III Atp. CLP) of the European Parliament
7. Regulation (EU) 487/2013 (IV Atp. CLP) of the European Parliament
8. Regulation (EU) 944/2013 (V Atp. CLP) of the European Parliament
9. Regulation (EU) 605/2014 (VI Atp. CLP) of the European Parliament
10. Regulation (EU) 2015/1221 (VII Atp. CLP) of the European Parliament
11. Regulation (EU) 2016/918 (VIII Atp. CLP) of the European Parliament
12. Regulation (EU) 2016/1179 (IX Atp. CLP)
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14. Regulation (EU) 2018/669 (XI Atp. CLP)
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16. Delegated Regulation (UE) 2018/1480 (XIII Atp. CLP)
17. Regulation (EU) 2019/1148
18. Delegated Regulation (UE) 2020/217 (XIV Atp. CLP)
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21. Delegated Regulation (UE) 2021/849 (XVII Atp. CLP)
22. Delegated Regulation (UE) 2022/692 (XVIII Atp. CLP)
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- Patty - Industrial Hygiene and Toxicology
- N.I. Sax - Dangerous properties of Industrial Materials-7, 1989 Edition
- IFA GESTIS website
- ECHA website
- Database of SDS models for chemicals - Ministry of Health and ISS (Istituto Superiore di Sanità) - Italy

Note for users:

The information contained in the present sheet are based on our own knowledge on the date of the last version. Users must verify the suitability and thoroughness of provided information according to each specific use of the product.

This document must not be regarded as a guarantee on any specific product property.

The use of this product is not subject to our direct control; therefore, users must, under their own responsibility, comply with the current health and safety laws and regulations. The producer is relieved from any liability arising from improper uses.

Provide appointed staff with adequate training on how to use chemical products.

CALCULATION METHODS FOR CLASSIFICATION

Chemical and physical hazards: Product classification derives from criteria established by the CLP Regulation, Annex I, Part 2. The data for evaluation of chemical-physical properties are reported in section 9.

Health hazards: Product classification is based on calculation methods as per Annex I of CLP, Part 3, unless determined otherwise in Section 11.

Environmental hazards: Product classification is based on calculation methods as per Annex I of CLP, Part 4, unless determined otherwise in Section 12.