

Color Ampule

Version number: SDS 1.0

Date of compilation: 2023-03-12

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

1.1 Product identifier

| | |
|---------------------------------|------------------------|
| Trade name | Color Ampule |
| Registration number (REACH) | not relevant (mixture) |
| Unique formula identifier (UFI) | QYEN-CD7V-6T2C-9E0W |

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

| | |
|---------------------------|-------|
| Relevant identified uses. | paint |
|---------------------------|-------|

1.3 Details of the supplier of the safety data sheet

AprintaPro GmbH
Gutheil Schoder Gasse 17
1230 Wien
Austria

Telephone: +43 1 997809410
e-mail: office@aprintapro.com
Website: <https://www.aprintapro.com>

e-mail (competent person) office@aprintapro.com

1.4 Emergency telephone number

| | |
|-------------------------------|--|
| Emergency information service | +43 1 997809410 This number is only available during the following office hours: Mon-Fri 08:00 - 16:00 |
|-------------------------------|--|

SECTION 2: Hazards identification

2.1 Classification of the substance or mixture

Classification according to Regulation (EC) No 1272/2008 (CLP)

| Section | Hazard class | Category | Hazard class and category | Hazard statement |
|---------|---|----------|---------------------------|------------------|
| 3.2 | skin corrosion/irritation | 2 | Skin Irrit. 2 | H315 |
| 3.3 | serious eye damage/eye irritation | 2 | Eye Irrit. 2 | H319 |
| 3.4S | skin sensitisation | 1 | Skin Sens. 1 | H317 |
| 4.1C | hazardous to the aquatic environment - chronic hazard | 3 | Aquatic Chronic 3 | H412 |

For full text of abbreviations: see SECTION 16.

The most important adverse physicochemical, human health and environmental effects

Spillage and fire water can cause pollution of watercourses.

2.2 Label elements

Labelling according to Regulation (EC) No 1272/2008 (CLP)

- Signal word warning

- Pictograms

GHS07



- Hazard statements

| | |
|------|--------------------------------------|
| H315 | Causes skin irritation. |
| H317 | May cause an allergic skin reaction. |
| H319 | Causes serious eye irritation. |

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- Hazard statements
H412 Harmful to aquatic life with long lasting effects.
- Precautionary statements
P101 If medical advice is needed, have product container or label at hand.
P102 Keep out of reach of children.
P273 Avoid release to the environment.
P280 Wear protective gloves/protective clothing/eye protection/face protection.
P302+P352 IF ON SKIN: Wash with plenty of water.
P305+P351+P338 IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.

P333+P313 If skin irritation or rash occurs: Get medical advice/attention.
P337+P313 If eye irritation persists: Get medical advice/attention.
P501 Dispose of contents/container in accordance with local/regional/national/international regulations.
- Supplemental hazard information
EUH205 Contains epoxy constituents. May produce an allergic reaction.
- Hazardous ingredients for labelling
2-hydroxyethyl methacrylate, 4,4'-Isopropylodenediphenol, oligomeric reaction products with 1-chloro-2,3-epoxypropane, Reaction products of hexane-1,6-diol with 2-(chloromethyl)oxirane (1:2)

Derogations from labelling requirements

Labelling of packages where the contents do not exceed 125 ml

- Signal word warning
- Hazard pictogram(s)
Warning. GHS07



- Hazard statements
H317 May cause an allergic skin reaction.
H412 Harmful to aquatic life with long lasting effects.
- Precautionary statements
P101 If medical advice is needed, have product container or label at hand.
P102 Keep out of reach of children.
P280 Wear protective gloves/protective clothing/eye protection/face protection.
P302+P352 IF ON SKIN: Wash with plenty of water.
P333+P313 If skin irritation or rash occurs: Get medical advice/attention.
P501 Dispose of contents/container in accordance with local/regional/national/international regulations.
- Supplemental hazard information
EUH205 Contains epoxy constituents. May produce an allergic reaction.
- Contains
2-hydroxyethyl methacrylate, 4,4'-Isopropylodenediphenol, oligomeric reaction products with 1-chloro-2,3-epoxypropane, Reaction products of hexane-1,6-diol with 2-(chloromethyl)oxirane (1:2)

2.3 Other hazards

Results of PBT and vPvB assessment

Does not contain a PBT-/vPvB-substance in a concentration of $\geq 0,1\%$.

Endocrine disrupting properties

Does not contain an endocrine disruptor (EDC) in a concentration of $\geq 0,1\%$.

SECTION 3: Composition/information on ingredients

3.1 Substances

Not relevant (mixture)

3.2 Mixtures

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Description of the mixture

| Name of substance | Identifier | Wt% | Classification acc. to GHS |
|--|----------------------------------|-----------|--|
| 2-hydroxyethyl methacrylate | CAS No 868-77-9 | 75 – < 90 | Skin Irrit. 2 / H315 Eye Irrit. 2 / H319 Skin Sens. 1 / H317 |
| 4,4'-Isopropylodenediphenol, oligomeric reaction products with 1-chloro-2,3-epoxypropane | CAS No 25068-38-6 | 10 – < 25 | Skin Irrit. 2 / H315 Eye Irrit. 2 / H319 Skin Sens. 1 / H317 Aquatic Chronic 2 / H411 |
| Reaction products of hexane-1,6-diol with 2-(chloromethyl)oxirane (1:2) | CAS No 16096-31-4 933999-84-9 | 5 – < 10 | Skin Irrit. 2 / H315 Eye Irrit. 2 / H319 Skin Sens. 1 / H317 Aquatic Chronic 3 / H412 |

| Name of substance | Specific Conc. Limits | M-Factors | ATE | Exposure route |
|--|---|-----------|-----|----------------|
| 4,4'-Isopropylodenediphenol, oligomeric reaction products with 1-chloro-2,3-epoxypropane | Skin Irrit. 2; H315: C ≥ 5 % Eye Irrit. 2; H319: C ≥ 5 % | - | - | |

For full text of abbreviations: see SECTION 16.

SECTION 4: First aid measures

4.1 Description of first aid measures

General notes

Do not leave affected person unattended. Remove victim out of the danger area. Keep affected person warm, still and covered. Take off immediately all contaminated clothing. In all cases of doubt, or when symptoms persist, seek medical advice. In case of unconsciousness place person in the recovery position. Never give anything by mouth.

Following inhalation

If breathing is irregular or stopped, immediately seek medical assistance and start first aid actions. In case of respiratory tract irritation, consult a physician. Provide fresh air.

Following skin contact

Wash with plenty of soap and water.

Following eye contact

Remove contact lenses, if present and easy to do. Continue rinsing. Irrigate copiously with clean, fresh water for at least 10 minutes, holding the eyelids apart.

Following ingestion

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

4.2 Most important symptoms and effects, both acute and delayed

Symptoms and effects are not known to date.

4.3 Indication of any immediate medical attention and special treatment needed

none

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

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Hazardous combustion productsCarbon monoxide (CO), Carbon dioxide (CO₂)**5.3 Advice for firefighters**

In case of fire and/or explosion do not breathe fumes. Co-ordinate firefighting measures to the fire surroundings. Do not allow firefighting water to enter drains or water courses. Collect contaminated firefighting water separately. Fight fire with normal precautions from a reasonable distance.

SECTION 6: Accidental release measures**6.1 Personal precautions, protective equipment and emergency procedures****For non-emergency personnel**

Remove persons to safety.

For emergency responders

Wear breathing apparatus if exposed to vapours/dust/spray/gases.

6.2 Environmental precautions

Keep away from drains, surface and ground water. Retain contaminated washing water and dispose of it.

6.3 Methods and material for containment and cleaning up**Advice on how to contain a spill**

Covering of drains

Advice on how to clean up a spill

Wipe up with absorbent material (e.g. cloth, fleece). Collect spillage: sawdust, kieselgur (diatomite), sand, universal binder

Appropriate containment techniques

Use of adsorbent materials.

Other information relating to spills and releases

Place in appropriate containers for disposal. Ventilate 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 fire as well as aerosol and dust generation

Use local and general ventilation. Use only in well-ventilated areas.

Advice on general occupational hygiene

Wash hands after use. Do not eat, drink and smoke in work areas. Remove contaminated clothing and protective equipment before entering eating areas. Never keep food or drink in the vicinity of chemicals. Never place chemicals in containers that are normally used for food or drink. Keep away from food, drink and animal feedingstuffs.

7.2 Conditions for safe storage, including any incompatibilities**7.3 Specific end use(s)**

See section 16 for a general overview.

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SECTION 8: Exposure controls/personal protection

8.1 Control parameters

Occupational exposure limit values (Workplace Exposure Limits)
this information is not available

| Relevant DNELs of components of the mixture | | | | | |
|---|----------|-------------------------|------------------------------------|-------------------|----------------------------|
| CAS No | Endpoint | Threshold level | Protection goal, route of exposure | Used in | Exposure time |
| 868-77-9 | DNEL | 4,9 mg/m ³ | human, inhalatory | worker (industry) | chronic - systemic effects |
| 868-77-9 | DNEL | 1,3 mg/kg bw/day | human, dermal | worker (industry) | chronic - systemic effects |
| 16096-31-4 933999-84-9 | DNEL | 10,57 mg/m ³ | human, inhalatory | worker (industry) | chronic - systemic effects |
| 16096-31-4 933999-84-9 | DNEL | 10,57 mg/m ³ | human, inhalatory | worker (industry) | acute - systemic effects |
| 16096-31-4 933999-84-9 | DNEL | 0,44 mg/m ³ | human, inhalatory | worker (industry) | chronic - local effects |
| 16096-31-4 933999-84-9 | DNEL | 6 mg/kg bw/day | human, dermal | worker (industry) | chronic - systemic effects |
| 16096-31-4 933999-84-9 | DNEL | 22,6 µg/cm ² | human, dermal | worker (industry) | chronic - local effects |
| 16096-31-4 933999-84-9 | DNEL | 22,6 µg/cm ² | human, dermal | worker (industry) | acute - local effects |

| Relevant PNECs of components of the mixture | | | | | |
|---|----------|-----------------|-----------------------|------------------------------|------------------------------|
| CAS No | Endpoint | Threshold level | Organism | Environmental compartment | Exposure time |
| 868-77-9 | PNEC | 0,482 mg/l | aquatic organisms | freshwater | short-term (single instance) |
| 868-77-9 | PNEC | 0,482 mg/l | aquatic organisms | marine water | short-term (single instance) |
| 868-77-9 | PNEC | 10 mg/l | aquatic organisms | sewage treatment plant (STP) | short-term (single instance) |
| 868-77-9 | PNEC | 3,79 mg/kg | aquatic organisms | freshwater sediment | short-term (single instance) |
| 868-77-9 | PNEC | 3,79 mg/kg | aquatic organisms | marine sediment | short-term (single instance) |
| 868-77-9 | PNEC | 0,476 mg/kg | terrestrial organisms | soil | short-term (single instance) |
| 16096-31-4 933999-84-9 | PNEC | 0,011 mg/l | aquatic organisms | freshwater | short-term (single instance) |
| 16096-31-4 933999-84-9 | PNEC | 0,001 mg/l | aquatic organisms | marine water | short-term (single instance) |
| 16096-31-4 933999-84-9 | PNEC | 1 mg/l | aquatic organisms | sewage treatment plant (STP) | short-term (single instance) |
| 16096-31-4 933999-84-9 | PNEC | 0,283 mg/kg | aquatic organisms | freshwater sediment | short-term (single instance) |
| 16096-31-4 933999-84-9 | PNEC | 0,028 mg/kg | aquatic organisms | marine sediment | short-term (single instance) |
| 16096-31-4 933999-84-9 | PNEC | 0,223 mg/kg | terrestrial organisms | soil | short-term (single instance) |

8.2 Exposure controls

Appropriate engineering controls
General ventilation.

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Individual protection measures (personal protective equipment)

Eye/face protection

Wear eye/face protection.

Skin protection

- Hand protection

Wear suitable gloves. Chemical protection gloves are suitable, which are tested according to EN 374. Check leak-tightness/impermeability prior to use. In the case of wanting to use the gloves again, clean them before taking off and air them well. For special purposes, it is recommended to check the resistance to chemicals of the protective gloves mentioned above together with the supplier of these gloves.

- Type of material

Nitrile

- Material thickness

≥0,35mm

- Breakthrough times of the glove material

>60 minutes (permeation: level 3)

- Other protection measures

Take recovery periods for skin regeneration. Preventive skin protection (barrier creams/ointments) is recommended. Wash hands thoroughly after handling.

Respiratory protection

In case of inadequate ventilation wear respiratory protection. Filtering half mask (EN 149). P1 (filters at least 80 % of airborne particles, colour code: White).

Environmental exposure controls

Use appropriate container to avoid environmental contamination. Keep away from drains, surface and ground water.

SECTION 9: Physical and chemical properties

9.1 Information on basic physical and chemical properties

| | |
|--|---|
| Physical state | liquid |
| Colour | acc. to product description |
| Odour | odourless |
| Melting point/freezing point | not determined |
| Boiling point or initial boiling point and boiling range | 213 °C at 101,3 kPa |
| Flammability | this material is combustible, but will not ignite readily |
| Lower and upper explosion limit | not determined |
| Flash point | not determined |
| Auto-ignition temperature | 375 °C |
| Decomposition temperature | not relevant |
| PH (value) | 6 – 8 (in aqueous solution: 100 % (w/w)) |
| Kinematic viscosity | not determined |
| Solubility(ies) | not determined |
| Partition coefficient | |
| Partition coefficient n-octanol/water (log value) | this information is not available |
| Vapour pressure | 0,08 hPa at 20 °C |
| Density and/or relative density | |
| Density | 1,072 g/cm ³ at 25 °C |
| Relative vapour density | information on this property is not available |
| Particle characteristics | not relevant (liquid) |

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9.2 Other information**Information with regard to physical hazard classes**

hazard classes acc. to GHS (physical hazards): not relevant

Other safety characteristics

Temperature class (EU, acc. to ATEX)

T2 (maximum permissible surface temperature on the equipment:
300°C)**SECTION 10: Stability and reactivity****10.1 Reactivity**

Concerning incompatibility: see below "Conditions to avoid" and "Incompatible materials".

If heated:

Exothermic polymerisation

If exposed to light:

Exothermic polymerisation.

10.2 Chemical stability

See below "Conditions to avoid".

10.3 Possibility of hazardous reactions

No known hazardous reactions.

10.4 Conditions to avoid

UV-radiation/sunlight.

10.5 Incompatible materials

Oxidisers, Reducing agents

10.6 Hazardous decomposition productsReasonably anticipated hazardous decomposition products produced as a result of use, storage, spill and heating are not known.
Hazardous combustion products: see section 5.**SECTION 11: Toxicological information****11.1 Information on hazard classes as defined in Regulation (EC) No 1272/2008**

Test data are not available for the complete mixture.

Classification procedure

The method for classification of the mixture is based on ingredients of the mixture (additivity formula).

Classification according to GHS (1272/2008/EC, CLP)**Acute toxicity**

Shall not be classified as acutely toxic.

Skin corrosion/irritation

Causes skin irritation.

Serious eye damage/eye irritation

Causes serious eye irritation.

Respiratory or skin sensitisation

May cause an allergic skin reaction.

Germ cell mutagenicity

Shall not be classified as germ cell mutagenic.

Carcinogenicity

Shall not be classified as carcinogenic.

Reproductive toxicity

Shall not be classified as a reproductive toxicant.

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Specific target organ toxicity - single exposure

Shall not be classified as a specific target organ toxicant (single exposure).

Specific target organ toxicity - repeated exposure

Shall not be classified as a specific target organ toxicant (repeated exposure).

Aspiration hazard

Shall not be classified as presenting an aspiration hazard.

11.2 Information on other hazards

There is no additional information.

SECTION 12: Ecological information

12.1 Toxicity

Harmful to aquatic life with long lasting effects.

| Aquatic toxicity (chronic) of components of the mixture | | | | |
|---|----------|-----------|-----------------------|---------------|
| CAS No | Endpoint | Value | Species | Exposure time |
| 868-77-9 | EC50 | 90,1 mg/l | aquatic invertebrates | 21 d |
| 868-77-9 | LC50 | >100 mg/l | aquatic invertebrates | 21 d |

12.2 Persistence and degradability

| Degradability of components of the mixture | | | | | |
|--|------------------|------------------|------|--------|--------|
| CAS No | Process | Degradation rate | Time | Method | Source |
| 16096-31-4 933999-84-9 | oxygen depletion | 47 % | 28 d | | ECHA |

12.3 Bioaccumulative potential

Data are not available.

| Bioaccumulative potential of components of the mixture | | | |
|--|------|---------------|----------|
| CAS No | BCF | Log KOW | BOD5/COD |
| 868-77-9 | | 0,42 (25 °C) | |
| 16096-31-4 933999-84-9 | 3,57 | 0,822 (20 °C) | |

12.4 Mobility in soil

Data are not available.

12.5 Results of PBT and vPvB assessment

 According to the results of its assessment, this substance is not a PBT or a vPvB. Does not contain a PBT-/vPvB-substance in a concentration of $\geq 0,1\%$.

12.6 Endocrine disrupting properties

 Does not contain an endocrine disruptor (EDC) in a concentration of $\geq 0,1\%$.

12.7 Other adverse effects

Data are not available.

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SECTION 13: Disposal considerations

13.1 Waste treatment methods

Sewage disposal-relevant information

Do not empty into drains. Avoid release to the environment. Refer to special instructions/safety data sheets.

Waste treatment of containers/packagings

Completely emptied packages can be recycled. Handle contaminated packages in the same way as the substance itself.

Remarks

Please consider the relevant national or regional provisions. Waste shall be separated into the categories that can be handled separately by the local or national waste management facilities.

SECTION 14: Transport information

- 14.1 UN number or ID number** not subject to transport regulations
- 14.2 UN proper shipping name** not relevant
- 14.3 Transport hazard class(es)** none
- 14.4 Packing group** not assigned
- 14.5 Environmental hazards** non-environmentally hazardous acc. to the dangerous goods regulations
- 14.6 Special precautions for user**
There is no additional information.
- 14.7 Maritime transport in bulk according to IMO instruments**
The cargo is not intended to be carried in bulk.
- 14.8 Information for each of the UN Model Regulations**
- International Maritime Dangerous Goods Code (IMDG) - Additional information**
Not subject to IMDG.
- International Civil Aviation Organization (ICAO-IATA/DGR) - Additional information**
Not subject to ICAO-IATA.

SECTION 15: Regulatory information

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

Relevant provisions of the European Union (EU)

Restrictions according to REACH, Annex XVII

| Dangerous substances with restrictions (REACH, Annex XVII) | | | |
|--|--|--------|----|
| Name of substance | Name acc. to inventory | CAS No | No |
| Color Ampule | this product meets the criteria for classification in accordance with Regulation No 1272/2008/EC | | 3 |
| 2-hydroxyethyl methacrylate | substances in tattoo inks and permanent make-up | | 75 |
| 4,4'-Isopropylodenediphenol, oligomeric reaction products with 1-chloro-2,3-epoxypropane | substances in tattoo inks and permanent make-up | | 75 |
| Reaction products of hexane-1,6-diol with 2-(chloromethyl)oxirane (1:2) | substances in tattoo inks and permanent make-up | | 75 |

List of substances subject to authorisation (REACH, Annex XIV) / SVHC - candidate list

none of the ingredients are listed

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Seveso Directive

| 2012/18/EU (Seveso III) | | | |
|-------------------------|---------------------------------------|---|-------|
| No | Dangerous substance/hazard categories | Qualifying quantity (tonnes) for the application of lower and upper-tier requirements | Notes |
| | not assigned | | |

Directive on the restriction of the use of certain hazardous substances in electrical and electronic equipment (RoHS)

none of the ingredients are listed

Regulation concerning the establishment of a European Pollutant Release and Transfer Register (PRTR)

none of the ingredients are listed

Water Framework Directive (WFD)

| List of pollutants (WFD) | | | |
|--|--------|-----------|---------|
| Name of substance | CAS No | Listed in | Remarks |
| 4,4'-Isopropylodenediphenol, oligomeric reaction products with 1-chloro-2,3-epoxypropane | | a) | |
| Reaction products of hexane-1,6-diol with 2-(chloromethyl)oxirane (1:2) | | a) | |

Legend

A) Indicative list of the main pollutants

Regulation on persistent organic pollutants (POP)

None of the ingredients are listed.

National inventories

| Country | Inventory | Status |
|---------|------------|--|
| AU | AIIC | all ingredients are listed |
| CA | DSL | all ingredients are listed |
| CN | IECSC | all ingredients are listed |
| EU | ECSI | all ingredients are listed |
| EU | REACH Reg. | all ingredients are listed |
| JP | CSCL-ENCS | not all ingredients are listed |
| KR | KECI | all ingredients are listed |
| MX | INSQ | not all ingredients are listed |
| NZ | NZIoC | all ingredients are listed |
| PH | PICCS | all ingredients are listed |
| TR | CICR | all ingredients are listed |
| TW | TCSI | all ingredients are listed |
| US | TSCA | all ingredients are listed as "ACTIVE" |

Legend

AIIC Australian Inventory of Industrial Chemicals
 CICR Chemical Inventory and Control Regulation
 CSCL-ENCS List of Existing and New Chemical Substances (CSCL-ENCS)
 DSL Domestic Substances List (DSL)
 ECSI EC Substance Inventory (EINECS, ELINCS, NLP)
 IECSC Inventory of Existing Chemical Substances Produced or Imported in China
 INSQ National Inventory of Chemical Substances
 KECI Korea Existing Chemicals Inventory
 NZIoC New Zealand Inventory of Chemicals
 PICCS Philippine Inventory of Chemicals and Chemical Substances (PICCS)
 REACH Reg. REACH registered substances

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Legend

TCSI Taiwan Chemical Substance Inventory
TSCA Toxic Substance Control Act

15.2 Chemical Safety Assessment

Chemical safety assessments for substances in this mixture were not carried out.

SECTION 16: Other information

Abbreviations and acronyms

| Abbr. | Descriptions of used abbreviations |
|-----------------|--|
| ADR | Accord relatif au transport international des marchandises dangereuses par route (Agreement concerning the International Carriage of Dangerous Goods by Road) |
| Aquatic Chronic | Hazardous to the aquatic environment - chronic hazard |
| ATE | Acute Toxicity Estimate |
| BCF | Bioconcentration factor |
| BOD | Biochemical Oxygen Demand |
| CAS | Chemical Abstracts Service (service that maintains the most comprehensive list of chemical substances) |
| CLP | Regulation (EC) No 1272/2008 on classification, labelling and packaging of substances and mixtures |
| COD | Chemical oxygen demand |
| DGR | Dangerous Goods Regulations (see IATA/DGR) |
| DNEL | Derived No-Effect Level |
| EC50 | Effective Concentration 50 %. The EC50 corresponds to the concentration of a tested substance causing 50 % changes in response (e.g. on growth) during a specified time interval |
| EINECS | European Inventory of Existing Commercial Chemical Substances |
| ELINCS | European List of Notified Chemical Substances |
| Eye Dam. | Seriously damaging to the eye |
| Eye Irrit. | Irritant to the eye |
| GHS | "Globally Harmonized System of Classification and Labelling of Chemicals" developed by the United Nations |
| IATA | International Air Transport Association |
| IATA/DGR | Dangerous Goods Regulations (DGR) for the air transport (IATA) |
| ICAO | International Civil Aviation Organization |
| IMDG | International Maritime Dangerous Goods Code |
| LC50 | Lethal Concentration 50%: the LC50 corresponds to the concentration of a tested substance causing 50 % lethality during a specified time interval |
| log KOW | n-Octanol/water |
| NLP | No-Longer Polymer |
| PBT | Persistent, Bioaccumulative and Toxic |
| PNEC | Predicted No-Effect Concentration |
| REACH | Registration, Evaluation, Authorisation and Restriction of Chemicals |
| Skin Corr. | Corrosive to skin |
| Skin Irrit. | Irritant to skin |
| Skin Sens. | Skin sensitisation |
| SVHC | Substance of Very High Concern |

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| Abbr. | Descriptions of used abbreviations |
|-------|--|
| vPvB | Very Persistent and very Bioaccumulative |

Key literature references and sources for data

Regulation (EC) No 1272/2008 on classification, labelling and packaging of substances and mixtures. Regulation (EC) No. 1907/2006 (REACH), amended by 2020/878/EU.

Agreement concerning the International Carriage of Dangerous Goods by Road (ADR). International Maritime Dangerous Goods Code (IMDG). Dangerous Goods Regulations (DGR) for the air transport (IATA).

Classification procedure

Physical and chemical properties: The classification is based on tested mixture.

Health hazards, Environmental hazards: The method for classification of the mixture is based on ingredients of the mixture (additivity formula).

List of relevant phrases (code and full text as stated in section 2 and 3)

| Code | Text |
|------|--|
| H315 | Causes skin irritation. |
| H317 | May cause an allergic skin reaction. |
| H319 | Causes serious eye irritation. |
| H411 | Toxic to aquatic life with long lasting effects. |
| H412 | Harmful to aquatic life with long lasting effects. |

Disclaimer

This information is based upon the present state of our knowledge. This SDS has been compiled and is solely intended for this product.