

SAFETY DATA SHEET

according to Regulation (EC) No 1907/2006 (REACH) as amended

Dezinvir

| | | | |
|---------------|-----------------|---------|-----|
| Creation date | 20th April 2020 | Version | 1.0 |
| Revision date | | | |

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

- 1.1. Product identifier**
Substance / mixture: Dezinvir mixture
- 1.2. Relevant identified uses of the substance or mixture and uses advised against**
Mixture's intended use: Personal hygiene product for disinfecting hands with virucidal effect.
Mixture uses advised against: The product should not be used in ways other than those referred in Section 1.
- 1.3. Details of the supplier of the safety data sheet**
- Supplier**
Name or trade name: Ing. Petr Švec - PENTA s.r.o.
Address: Radiová 1122/1, Praha 10, 102 00
Czech Republic
Identification number (CRN): 02096013
VAT Reg No: CZ02096013
Phone: +420 226 060 681
E-mail: info@pentachemicals.eu
Web address: www.pentachemicals.eu
- Competent person responsible for the safety data sheet**
Name: Ing. Petr Švec - PENTA s.r.o.
E-mail: info@pentachemicals.eu
- 1.4. Emergency telephone number**
National poisoning information centre Scotland, NHS 24: 111
112 National Health Service (NHS) 111

SECTION 2: Hazards identification

- 2.1. Classification of the substance or mixture**
Classification of the mixture in accordance with Regulation (EC) No 1272/2008

The mixture is classified as dangerous.

Flam. Liq. 2, H225
Eye Irrit. 2, H319

Full text of all classifications and hazard statements is given in the section 16.

Most serious adverse physico-chemical effects

Highly flammable liquid and vapour.

Most serious adverse effects on human health and the environment

Causes serious eye irritation.

- 2.2. Label elements**

Hazard pictogram



Signal word

Danger

Hazard statements

H225 Highly flammable liquid and vapour.
H319 Causes serious eye irritation.

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Precautionary statements

P101 If medical advice is needed, have product container or label at hand.
P102 Keep out of reach of children.
P210 Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking.
P233 Keep container tightly closed.
P305+P351+P338 IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.
P337+P313 If eye irritation persists: Get medical advice/attention.
P501 Dispose of contents/container to by disposing in a hazardous waste receptacle.

2.3. Other hazards

Mixture does not contain any substance meet the criteria for PBT or vPvB in accordance with Annex XIII of Regulation (EC) No. 1907/2006 (REACH) as amended.

SECTION 3: Composition/information on ingredients

3.2. Mixtures

Chemical characterization

Mixture of substances and additives specified below.

Mixture contains these hazardous substances and substances with the highest permissible concentration in the working environment

| Identification numbers | Substance name | Content in % weight | Classification according to Regulation (EC) No 1272/2008 | Note. |
|--|-------------------|---------------------|--|-------|
| Index: 603-002-00-5 CAS: 64-17-5 EC: 200-578-6 Registration number: 01-2119457-610-43-xxxx | ALCOHOL | 70-80 | Flam. Liq. 2, H225 Eye Irrit. 2, H319 Specific concentration limit: Eye Irrit. 2, H319: C > 50 % | |
| CAS: 7732-18-5 EC: 231-791-2 | aqua | 10-14 | | |
| Index: 603-117-00-0 CAS: 67-63-0 EC: 200-661-7 Registration number: 01-2119457558-25-0000 | isopropanol | 6-8 | Flam. Liq. 2, H225 Eye Irrit. 2, H319 STOT SE 3, H336 | |
| CAS: 56-81-5 EC: 200-289-5 | glycerol | 2 | not classified as dangerous, H- | |
| Index: 008-003-00-9 CAS: 7722-84-1 EC: 231-765-0 | HYDROGEN PEROXIDE | 0,1-0,5 | Ox. Liq. 1, H271 Acute Tox. 4, H302, H332 Skin Corr. 1A, H314 Specific concentration limit: Skin Corr. 1A, H314: C ≥ 70 % Skin Corr. 1B, H314: 50 % ≤ C < 70 % Skin Irrit. 2, H315: 35 % ≤ C < 50 % Eye Irrit. 2, H319: 5 % ≤ C < 8 % Eye Dam. 1, H318: 8 % ≤ C < 50 % Ox. Liq. 1, H271: C ≥ 70 % Ox. Liq. 2, H272: 50 % ≤ C < 70 % STOT SE 3, H335: C ≥ 35 % | 1, 2 |

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Notes

- Note B: Some substances (acids, bases, etc.) are placed on the market in aqueous solutions at various concentrations and, therefore, these solutions require different classification and labelling since the hazards vary at different concentrations. In Part 3 entries with Note B have a general designation of the following type: 'nitric acid ... %'. In this case the supplier must state the percentage concentration of the solution on the label. Unless otherwise stated, it is assumed that the percentage concentration is calculated on a weight/weight basis.
- Substance for which exposure limits of Community for working environment exist.

Full text of all classifications and hazard statements is given in the section 16.

SECTION 4: First aid measures

4.1. Description of first aid measures

Take care of your own safety. If any health problems are manifested or if in doubt, inform a doctor and show him information from this safety data sheet. If unconscious, put the person in the stabilized (recovery) position on his side with his head slightly bent backwards and make sure that airways are free; never induce vomiting. If the person vomits by himself, make sure that the vomit is not inhaled. In life threatening conditions first of all provide resuscitation of the affected person and ensure medical assistance. Respiratory arrest - provide artificial respiration immediately. Cardiac arrest - provide indirect cardiac massage immediately.

If inhaled

Terminate the exposure immediately; move the affected person to fresh air. Protect the person against growing cold. Provide medical treatment if irritation, dyspnoea or other symptoms persist.

If on skin

Remove contaminated clothes. Wash the affected area with plenty of water, lukewarm if possible. Soap, soap solution or shampoo should be used if there is no skin injury. Provide medical treatment if skin irritation persists. Rinse skin with water/shower.

If in eyes

Rinse eyes immediately with a flow of running water, open the eyelids (also using force if needed); remove contact lenses immediately if worn by the affected person. Rinsing should continue at least for 10 minutes. Provide medical treatment, specialized if possible.

If swallowed

DO NOT INDUCE VOMITING! Rinse out the mouth with water and provide 2-5 dL of water. Provide medical treatment if the person has any health problems.

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

If inhaled

Not expected.

If on skin

Not expected.

If in eyes

Causes serious eye irritation.

If swallowed

Irritation, nausea.

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

Symptomatic treatment.

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SECTION 5: Firefighting measures

5.1. Extinguishing media

Suitable extinguishing media

Alcohol-resistant foam, carbon dioxide, powder, water spray jet, water mist.

Unsuitable extinguishing media

Water - full jet.

5.2. Special hazards arising from the substance or mixture

In the event of fire, carbon monoxide, carbon dioxide and other toxic gases may arise. Inhalation of hazardous degradation (pyrolysis) products may cause serious health damage.

5.3. Advice for firefighters

Self-Contained Breathing Apparatus (SCBA) with a chemical protection suit only where personal (close) contact is likely. Use a self-contained breathing apparatus and full-body protective clothing. Closed containers with the product near the fire should be cooled with water. Do not allow run-off of contaminated fire extinguishing material to enter drains or surface and ground water.

SECTION 6: Accidental release measures

6.1. Personal precautions, protective equipment and emergency procedures

Provide sufficient ventilation. Highly flammable liquid and vapour. Remove all ignition sources. Use personal protective equipment for work. Follow the instructions in the Sections 7 and 8. Prevent contact with skin and eyes.

6.2. Environmental precautions

Prevent contamination of the soil and entering surface or ground water.

6.3. Methods and material for containment and cleaning up

Spilled product should be covered with suitable (non-flammable) absorbing material (sand, diatomaceous earth, earth and other suitable absorption materials); to be contained in well closed containers and removed as per the Section 13. In the event of leakage of the substantial amount of the product, inform fire brigade and other competent bodies. After removal of the product, wash the contaminated site with plenty of water. Do not use solvents.

6.4. Reference to other sections

See the Section 7, 8 and 13.

SECTION 7: Handling and storage

7.1. Precautions for safe handling

Prevent formation of gases and vapours in flammable or explosive concentrations and concentrations exceeding the occupational exposure limits. The product should be used only in the areas where it is not in contact with open fire and other ignition sources. Use non-sparking tools. Use of antistatic clothes and footwear is recommended. Prevent contact with skin and eyes. No smoking. Use only non-sparking tools. Wash hands and exposed parts of the body thoroughly after handling. Use personal protective equipment as per Section 8. Observe valid legal regulations on safety and health protection. Ground and bond container and receiving equipment. Use explosion-proof electrical/ventilating/lighting equipment. Take precautionary measures against static discharge.

7.2. Conditions for safe storage, including any incompatibilities

Store in tightly closed containers in cold, dry and well ventilated areas designated for this purpose. Do not expose to sunlight. Keep container tightly closed. Storage temperature: -10 ° C to + 25 ° C

The specific requirements or rules relating to the substance/mixture

Solvent vapours are heavier than air and accumulate especially near the floor where they may form an explosive mixture with the air.

7.3. Specific end use(s)

Skin care product. In use, follow the procedure on the label.

SECTION 8: Exposure controls/personal protection

8.1. Control parameters

The mixture contains substances for which occupational exposure limits are set.

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United Kingdom of Great Britain and Northern Ireland

| Substance name (component) | Type | Time of exposure | Value | Note | Source |
|------------------------------------|------|------------------|-----------------------|------|---|
| HYDROGEN PEROXIDE (CAS: 7722-84-1) | WEL | 8 hours | 1,4 mg/m ³ | | EH40/2005 Workplace exposure limits (Third edition, published 2018) |
| | WEL | 8 hours | 1 ppm | | |
| | WEL | 15 minutes | 2,8 mg/m ³ | | |
| | WEL | 15 minutes | 2 ppm | | |

8.2. Exposure controls

Do not eat, drink and smoke during work. Wash your hands thoroughly with water and soap after work and before breaks for a meal and rest.

Eye/face protection

Not expected under normal use.

Skin protection

Not expected under normal use. (The mixture is intended for hand care).

Respiratory protection

Not expected under normal use.

Thermal hazard

Not available.

Environmental exposure controls

Observe usual measures for protection of the environment, see Section 6.2.

SECTION 9: Physical and chemical properties

9.1. Information on basic physical and chemical properties

| | |
|--|--------------------|
| Appearance | |
| Physical state | liquid at 20°C |
| color | colourless |
| Odour | containing alcohol |
| Odour threshold | data not available |
| pH | data not available |
| Melting point/freezing point | data not available |
| Initial boiling point and boiling range | data not available |
| Flash point | data not available |
| Evaporation rate | data not available |
| Flammability (solid, gas) | data not available |
| Upper/lower flammability or explosive limits | |
| flammability limits | data not available |
| explosive limits | data not available |

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| | |
|--|--------------------|
| Vapour pressure | data not available |
| Vapour density | data not available |
| Relative density | data not available |
| Solubility(ies) | |
| solubility in water | data not available |
| solubility in fats | data not available |
| Partition coefficient: n-octanol/water | data not available |
| Auto-ignition temperature | data not available |
| Decomposition temperature | data not available |
| Viscosity | data not available |
| Explosive properties | data not available |
| Oxidising properties | data not available |

9.2. Other information

| | |
|----------------------|--------------------|
| Density | data not available |
| ignition temperature | data not available |

SECTION 10: Stability and reactivity

10.1. Reactivity

When used in the standard way, there is not any dangerous reaction with other substances.

10.2. Chemical stability

The product is stable under normal conditions.

10.3. Possibility of hazardous reactions

Unknown.

10.4. Conditions to avoid

The product is stable and no degradation occurs under normal use. Protect against flames, sparks, overheating and against frost.

10.5. Incompatible materials

Protect against strong acids, bases and oxidizing agents.

10.6. Hazardous decomposition products

Not developed under normal uses. Dangerous outcomes such as carbon monoxide and carbon dioxide are formed at high temperature and in fire.

SECTION 11: Toxicological information

11.1. Information on toxicological effects

No toxicological data is available for the mixture.

Acute toxicity

Based on available data the classification criteria are not met.

ALCOHOL

| Route of exposure | Parameter | Value | Time of exposure | Species | Sex |
|--------------------|-----------|---------------|------------------|---------|-----|
| Oral | LD50 | 13300 mg/kg | | Rat | |
| Dermal | LD50 | > 15800 mg/kg | | Rabbit | |
| Inhalation (vapor) | LC50 | 124.7 mg/l | 4 hour | Rat | |

HYDROGEN PEROXIDE

| Route of exposure | Parameter | Value | Time of exposure | Species | Sex |
|-------------------|-----------|-----------------|------------------|-------------------------|-----|
| Oral | LD50 | 1193-1272 mg/kg | | Rat (Rattus norvegicus) | |

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| Route of exposure | Parameter | Value | Time of exposure | Species | Sex |
|--------------------|-----------|-------------|------------------|---------|-----|
| Oral | LD50 | >2000 mg/kg | | Rat | |
| Inhalation (vapor) | LC50 | >5 mg/kg | 4 hour | Rat | |
| Oral | LD50 | 4710 mg/kg | | Rat | |
| Inhalation (vapor) | LC50 | 72.6 mg/l | 4 hour | Rat | |
| Dermal | LD50 | 12870 mg/kg | | Rabbit | |
| Dermal | LD50 | >2000 mg/kg | | Rat | |

Skin corrosion/irritation

Based on available data the classification criteria are not met.

ALCOHOL

| Route of exposure | Result | Time of exposure | Species |
|-------------------|-----------|------------------|---------|
| | No effect | | Rabbit |

Serious eye damage/irritation

Causes serious eye irritation.

ALCOHOL

| Route of exposure | Result | Time of exposure | Species |
|-------------------|------------|------------------|---------|
| | Irritating | | Rabbit |

isopropanol

| Route of exposure | Result | Time of exposure | Species |
|-------------------|-------------------|------------------|---------|
| | Highly irritating | | Rabbit |

Respiratory or skin sensitisation

Based on available data the classification criteria are not met.

ALCOHOL

| Route of exposure | Result | Time of exposure | Species | Sex |
|-------------------|---------------|------------------|---------|-----|
| | Indeterminate | | Human | |

Mutagenicity

ALCOHOL

| Result | Time of exposure | Specific target organ | Species | Sex |
|---------------|------------------|-----------------------|---------|-----|
| Indeterminate | | | | |

Germ cell mutagenicity

Based on available data the classification criteria are not met.

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Carcinogenicity

Based on available data the classification criteria are not met.

ALCOHOL

| Route of exposure | Parameter | Value | Result | Species | Sex |
|-------------------|-----------|-------|---------------|---------|-----|
| Oral | | | Indeterminate | Rat | |

Reproductive toxicity

Based on available data the classification criteria are not met.

ALCOHOL

| Effect | Parameter | Value | Result | Species | Sex |
|------------------------|-----------|-------------------|---------------|---------|-----|
| Developmental toxicity | NOAEL | 38 mg/l | Negative | Rat | |
| | NOAEL | 5200 mg/kg/24hour | Indeterminate | Rat | |

Toxicity for specific target organ - single exposure

Based on available data the classification criteria are not met.

ALCOHOL

| Route of exposure | Parameter | Value | Time of exposure | Specific target organ | Result | Species | Sex |
|-------------------|-----------|----------|------------------|-----------------------|-----------------------|---------|-----|
| Inhalation | LOAEL | 2.6 mg/l | 30 min | Nervous system | Drowsiness, Dizziness | Human | |
| Inhalation | LOAEL | 9.4 mg/l | | Lungs | Indeterminate | Human | |

Toxicity for specific target organ - repeated exposure

Based on available data the classification criteria are not met.

isopropanol

| Route of exposure | Parameter | Value | Time of exposure | Specific target organ | Result | Species | Sex |
|-------------------|-----------|------------------|------------------|-----------------------|---------------|---------|-----|
| Inhalation | NOAEL | 12.3 mg/l | 24 month | Kidney | Indeterminate | Rat | |
| Inhalation | NOAEL | 12 mg/l | 13 week | Nervous system | Negative | Rat | |
| Oral | NOAEL | 400 mg/kg/24hour | 12 week | Kidney | Indeterminate | Rat | |

Aspiration hazard

Inhalation of solvent vapors above values exceeding exposure limits for working environment may result in acute inhalation poisoning, depending on the level of concentration and exposure time. Based on available data the classification criteria are not met.

SECTION 12: Ecological information

12.1. Toxicity

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Acute toxicity

Data for the mixture are not available.

ALCOHOL

| Parameter | Value | Time of exposure | Species | Environment | Determining method |
|-----------|-----------|------------------|---------|-------------|--------------------|
| EC50 | 42 mg/l | 96 hour | Fishes | | Experimentally |
| EC50 | 5012 mg/l | 48 hour | Daphnia | | Experimentally |
| NOEC | <500 mg/l | 96 hour | Algae | | Experimentally |
| NOEC | =9.6 mg/l | 11 day | Daphnia | | Experimentally |

HYDROGEN PEROXIDE

| Parameter | Value | Time of exposure | Species | Environment | Determining method |
|-----------|-------------|------------------|-----------------------------------|-------------|--------------------|
| LC50 | 188 mg/kg | 96 hour | Fishes (Oncorhynchus mykiss) | | |
| EC50 | 13 mg/kg | 48 hour | Daphnia (Daphnia magna) | | |
| IC50 | 11-15 mg/kg | 72 hour | Algae (Selenastrum capricornutum) | | |

isopropanol

| Parameter | Value | Time of exposure | Species | Environment | Determining method |
|-----------|------------|------------------|-------------|-------------|--------------------|
| LC50 | >100 mg/l | 96 hour | Fishes | | |
| EC50 | >100 mg/l | 48 hour | Daphnia | | |
| NOEC | 30 mg/l | 21 day | Daphnia | | Experimentally |
| EC50 | 1400 mg/l | 48 hour | Crustaceans | | Experimentally |
| EC50 | >1000 mg/l | 24 hour | Algae | | Experimentally |
| IC50 | >100 mg/l | 72 hour | Algae | | |

12.2. Persistence and degradability

Biodegradability

isopropanol

| Parameter | Value | Time of exposure | Environment | Determining method | Result |
|-----------|-------|------------------|-------------|--------------------|--------|
| | | 14 day | | Experimentally | |

Data not available.

12.3. Bioaccumulative potential

ALCOHOL

| Parameter | Value | Time of exposure | Species | Environment | Surrounding temperature [°C] |
|-----------|-------|------------------|---------|-------------|------------------------------|
| | | 28 day | | | |

Not available.

12.4. Mobility in soil

Not available.

12.5. Results of PBT and vPvB assessment

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Product does not contain any substance meeting the criteria for PBT or vPvB in accordance with the Annex XIII of Regulation (EC) No 1907/2006 (REACH) as amended.

12.6. Other adverse effects

Not available.

SECTION 13: Disposal considerations

13.1. Waste treatment methods

Hazard of environmental contamination; dispose of the waste in accordance with the local and/or national regulations. Proceed in accordance with valid regulations on waste disposal. Any unused product and contaminated packaging should be put in labelled containers for waste collection and submitted for disposal to a person authorised for waste removal (a specialized company) that is entitled for such activity. Do not empty unused product in drainage systems. The product must not be disposed of with municipal waste. Empty containers may be used at waste incinerators to produce energy or deposited in a dump with appropriate classification. Perfectly cleaned containers can be submitted for recycling.

Waste management legislation

Directive 2008/98/EC of the European Parliament and of the Council of 19 November 2008 on waste, as amended. Decision 2000/532/EC establishing a list of wastes, as amended.

SECTION 14: Transport information

14.1. UN number

UN 1170

14.2. UN proper shipping name

ETHANOL

14.3. Transport hazard class(es)

3 Flammable liquids

14.4. Packing group

II - substances presenting medium danger

14.5. Environmental hazards

not available

14.6. Special precautions for user

Reference in the Sections 4 to 8.

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

not available

Additional information

Hazard identification No.

33

UN number

1170

Classification code

F1

Safety signs

3



Air transport - ICAO/IATA

Packaging instructions passenger 353

Cargo packaging instructions 364

Marine transport - IMDG

EmS (emergency plan) F-E, S-D

MFAG 305

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SECTION 15: Regulatory information

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

Regulation (EC) No. 1907/2006 of the European Parliament and of the Council of 18th December 2006 concerning the Registration, Evaluation, Authorisation and Restriction of Chemicals (REACH), establishing the European Chemicals Agency, amending Directive 1999/45/EC and repealing Council Regulation (EEC) No. 793/93 and Commission Regulation (EC) No. 1488/94 as well as Council Directive 76/769/EEC and Commission Directives 91/155/EEC, 93/67/EEC, 93/105/EC and 2000/21/EC, as amended. Regulation (EC) No. 1272/2008 of the European Parliament and of the Council of 16th December 2008 on classification, labelling and packaging of substances and mixtures, amending and repealing Directives 67/548/EEC and 1999/45/EC, and amending Regulation (EC) No. 1907/2006, as amended.

15.2. Chemical safety assessment

not available

SECTION 16: Other information

A list of standard risk phrases used in the safety data sheet

| | |
|------|---|
| H- | not classified as dangerous |
| H225 | Highly flammable liquid and vapour. |
| H271 | May cause fire or explosion; strong oxidiser. |
| H272 | May intensify fire; oxidiser. |
| H302 | Harmful if swallowed. |
| H314 | Causes severe skin burns and eye damage. |
| H315 | Causes skin irritation. |
| H318 | Causes serious eye damage. |
| H319 | Causes serious eye irritation. |
| H332 | Harmful if inhaled. |
| H335 | May cause respiratory irritation. |
| H336 | May cause drowsiness or dizziness. |

Guidelines for safe handling used in the safety data sheet

| | |
|----------------|--|
| P210 | Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking. |
| P233 | Keep container tightly closed. |
| P337+P313 | If eye irritation persists: Get medical advice/attention. |
| P101 | If medical advice is needed, have product container or label at hand. |
| P102 | Keep out of reach of children. |
| P305+P351+P338 | IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. |
| P501 | Dispose of contents/container to by disposing in a hazardous waste receptacle. |

Other important information about human health protection

The product must not be - unless specifically approved by the manufacturer/importer - used for purposes other than as per the Section 1. The user is responsible for adherence to all related health protection regulations.

Key to abbreviations and acronyms used in the safety data sheet

| | |
|--------|---|
| ADR | European agreement concerning the international carriage of dangerous goods by road |
| BCF | Bioconcentration Factor |
| CAS | Chemical Abstracts Service |
| CLP | Regulation (EC) No 1272/2008 on classification, labelling and packaging of substance and mixtures |
| DNEL | Derived no-effect level |
| EC | Identification code for each substance listed in EINECS |
| EC50 | Concentration of a substance when it is affected 50% of the population |
| EINECS | European Inventory of Existing Commercial Chemical Substances |
| EmS | Emergency plan |
| EU | European Union |
| IATA | International Air Transport Association |

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| IBC | International Code For The Construction And Equipment of Ships Carrying Dangerous Chemicals |
| IC50 | Concentration causing 50% blockade |
| ICAO | International Civil Aviation Organization |
| IMDG | International Maritime Dangerous Goods |
| INCI | International Nomenclature of Cosmetic Ingredients |
| ISO | International Organization for Standardization |
| IUPAC | International Union of Pure and Applied Chemistry |
| LC50 | Lethal concentration of a substance in which it can be expected death of 50% of the population |
| LD50 | Lethal dose of a substance in which it can be expected death of 50% of the population |
| LOAEC | Lowest observed adverse effect concentration |
| LOAEL | Lowest observed adverse effect level |
| log Kow | Octanol-water partition coefficient |
| MARPOL | International Convention for the Prevention of Pollution From Ships |
| NOAEC | No observed adverse effect concentration |
| NOAEL | No observed adverse effect level |
| NOEC | No observed effect concentration |
| NOEL | No observed effect level |
| OEL | Occupational Exposure Limits |
| PBT | Persistent, Bioaccumulative and Toxic |
| PNEC | Predicted no-effect concentration |
| ppm | Parts per million |
| REACH | Registration, Evaluation, Authorisation and Restriction of Chemicals |
| RID | Agreement on the transport of dangerous goods by rail |
| UN | Four-figure identification number of the substance or article taken from the UN Model Regulations |
| UVCB | Substances of unknown or variable composition, complex reaction products or biological materials |
| VOC | Volatile organic compounds |
| vPvB | Very Persistent and very Bioaccumulative |
| Acute Tox. | Acute toxicity |
| Eye Dam. | Serious eye damage |
| Eye Irrit. | Eye irritation |
| Flam. Liq. | Flammable liquid |
| Ox. Liq. | Oxidising liquid |
| Skin Corr. | Skin corrosion |
| Skin Irrit. | Skin irritation |
| STOT SE | Specific target organ toxicity - single exposure |
| Without classification | Without classification |

Training guidelines

Inform the personnel about the recommended ways of use, mandatory protective equipment, first aid and prohibited ways of handling the product.

Recommended restrictions of use

not available

Information about data sources used to compile the Safety Data Sheet

REGULATION (EC) No. 1907/2006 OF THE EUROPEAN PARLIAMENT AND OF THE COUNCIL (REACH) as amended.
REGULATION (EC) No. 1272/2008 OF THE EUROPEAN PARLIAMENT AND OF THE COUNCIL as amended. Data from the manufacturer of the substance / mixture, if available - information from registration dossiers.

More information

Classification procedure - calculation method.

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Statement

The safety data sheet provides information aimed at ensuring safety and health protection at work and environmental protection. The provided information corresponds to the current status of knowledge and experience and complies with valid legal regulations. The information should not be understood as guaranteeing the suitability and usability of the product for a particular application.