



# Safety data sheet

## SECTION 1: IDENTIFICATION OF THE SUBSTANCE/MIXTURE AND OF THE COMPANY/UNDERTAKING

### 1.1 PRODUCT IDENTIFIER

Product name

CIANOKOL EXACT

UFI:

04G6-30U5-FH1W-9FVK



<https://my.chemius.net/p/gmYlvs/en/pd/en>

### 1.2 RELEVANT IDENTIFIED USES OF THE SUBSTANCE OR MIXTURE AND USES ADVISED AGAINST

Relevant identified uses

Cyanoacrylate adhesive

Uses advised against

No information.

### 1.3 DETAILS OF THE SUPPLIER OF THE SAFETY DATA SHEET

Manufacturer

MITOL, tovarna lepil, d.o.o., Sežana  
Partizanska c. 78  
6210 Sežana, Slovenia  
+386 5 73 12 300 (8:00-16:00)  
lilijana.kocjan@mitol.si

### 1.4 EMERGENCY TELEPHONE NUMBER

Emergency

112

Manufacturer

+386 5 73 12 300 (8:00-16:00)

## SECTION 2: HAZARDS IDENTIFICATION

### 2.1 CLASSIFICATION OF THE SUBSTANCE OR MIXTURE

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

Skin Irrit. 2; H315 Causes skin irritation.  
Eye Irrit. 2; H319 Causes serious eye irritation.  
STOT SE 3; H335 May cause respiratory irritation.

### 2.2 LABEL ELEMENTS

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



**Signal word: WARNING**

H315 Causes skin irritation.  
H319 Causes serious eye irritation.  
H335 May cause respiratory irritation.  
EUH202 Cyanoacrylate. Danger. Bonds skin and eyes in seconds. Keep out of the reach of children.  
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 soap and water.  
P304 + P340 IF INHALED: Remove person to fresh air and keep comfortable for breathing.  
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 in accordance with national regulation.

Contains:

ethyl 2-cyanoacrylate

### 2.3 OTHER HAZARDS

PBT/vPvB

No information.

Endocrine disrupting properties

No information.

Additional information



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No information.

## SECTION 3: COMPOSITION/INFORMATION ON INGREDIENTS

### 3.1 SUBSTANCES

For mixtures see 3.2.

### 3.2 MIXTURES

| Name                         | CAS EC Index<br>Reach  | %              | Classification<br>according to<br>Regulation (EC)<br>No 1272/2008<br>(CLP)  | Specific Conc.<br>Limits    | Notes for<br>substances |
|------------------------------|--|----------------|---|-----------------------------|-------------------------|
| ethyl 2-<br>cyanoacrylate    | 7085-85-0<br>230-391-5<br>607-236-00-9<br>01-2119527766-<br>29 | ≥ 90           | Skin Irrit. 2; H315<br>Eye Irrit. 2; H319<br>STOT SE 3; H335  | STOT SE 3;<br>H335; C ≥ 10% | /                       |
| 1,4-<br>dihydroxybenze<br>ne | 123-31-9<br>204-617-8<br>604-005-00-4                          | ≥ 0.01 – < 0.1 | Acute Tox. 4;<br>H302<br>Skin Sens. 1;<br>H317<br>Eye Dam. 1;<br>H318<br>Muta. 2; H341<br>Carc. 2; H351<br>Aquatic Acute 1;<br>H400; M = 10 | /                           | /                       |

## SECTION 4: FIRST AID MEASURES

### 4.1 DESCRIPTION OF FIRST AID MEASURES

#### General notes

Never give anything by mouth to an unconscious person. Place patient in recovery position and ensure airway patency.

#### Following inhalation

Remove patient to fresh air - move out of dangerous area. If symptoms develop and persist, seek medical attention.

#### Following skin contact

Immediately remove contaminated clothing. Do not pull solidified material or clothes from skin. Wash affected skin areas immediately with plenty of water and soap. Cyanoacrylate gives off heat on solidification. In rare cases a large drop will generate enough heat to burn. Burns should be treated normally after the adhesive has been removed from the skin. If lips are accidentally stuck together apply warm water to the lips and encourage maximum wetting. Peel or roll lips apart. Do not try to pull the lips apart with direct opposing action. If symptoms develop and persist, seek medical attention.

#### Following eye contact

Immediately flush eyes with running water, keeping eyelids apart. Cyanoacrylate will bond to eye protein and will cause periods of weeping which will help to debond the adhesive. Keep eye covered until debonding is complete. Do not force eye open. Medical advice should be sought in case solid particles of cyanoacrylate trapped behind the eyelid cause any abrasive damage. If irritation persists, seek professional medical attention.

#### Following ingestion

Do not induce vomiting! Rinse mouth thoroughly with water. The product will polymerise immediately in the mouth making it almost impossible to swallow. Saliva will slowly separate the solidified product from the mouth (several hours). Consult a physician. Show the physician the safety data sheet or label.

### 4.2 MOST IMPORTANT SYMPTOMS AND EFFECTS, BOTH ACUTE AND DELAYED

#### Following inhalation

Can cause irritation of respiratory system. Coughing, sneezing, nasal discharge, labored breathing. Feeling of tightness in the chest. Sore throat. Causes cough.

#### Following skin contact

Causes irritation of skin and mucous membrane. Itching, redness, pain. Bonds skin immediately. May cause burns to the skin.

#### Following eye contact

Strongly irritates the eyes. Redness, tearing, pain. Bonds eyelids immediately.

#### Following ingestion

Irritates mucous membranes in the mouth, throat, esophagus and in gastrointestinal area. The product will polymerise immediately in the mouth, making it almost impossible to swallow, but beware of possible choking hazard.

### 4.3 INDICATION OF ANY IMMEDIATE MEDICAL ATTENTION AND SPECIAL TREATMENT NEEDED



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No information.

## SECTION 5: FIREFIGHTING MEASURES

### 5.1 EXTINGUISHING MEDIA

#### Suitable extinguishing media

Carbon dioxide. Dry chemical powder. Alcohol resistant foam.

#### Unsuitable extinguishing media

Full water jet. Water.

### 5.2 SPECIAL HAZARDS ARISING FROM THE SUBSTANCE OR MIXTURE

#### Hazardous combustion products

In case of heating harmful vapours/gases can be generated. In the event of fire the following can be generated: carbon monoxide (CO), carbon dioxide (CO<sub>2</sub>).

Nitrogen oxides (NO<sub>x</sub>).

### 5.3 ADVICE FOR FIREFIGHTERS

#### Protective actions

In case of fire do not breathe fumes/gases. In a fire or if heated, a pressure increase will occur and the container may burst. Cool the endangered containers with water spray. Move undamaged containers from immediate hazard area if it can be done safely. Avoid contact with skin, eyes and clothing.

#### Special protective equipment for fire-fighters

Firefighters should wear appropriate protective clothing for firefighters (including helmets, protective boots and gloves) (EN 469) and self-contained breathing apparatus (SCBA) with a full face-piece (EN 137).

#### Additional information

Polymerises with water.

## SECTION 6: ACCIDENTAL RELEASE MEASURES

### 6.1 PERSONAL PRECAUTIONS, PROTECTIVE EQUIPMENT AND EMERGENCY PROCEDURES

#### For non-emergency personnel

#### Protective equipment

Use personal protective equipment (Section 8).

#### Precautionary measures

Ensure adequate ventilation. Avoid contact with skin, eyes and clothing. Do not breathe vapours/mist.

#### Emergency procedures

Area of accident must be marked and protected. Prevent access to unauthorised personnel. Turn leaking containers leak-side up to prevent the escape of liquid.

#### For emergency responders

During intervention, use personal protective equipment (Section 8).

### 6.2 ENVIRONMENTAL PRECAUTIONS

Do not allow product to reach water/drains/sewage systems or permeable soil. If accidental large entry into water or ground occurs, inform responsible authorities.

### 6.3 METHODS AND MATERIAL FOR CONTAINMENT AND CLEANING UP

#### For containment

Stem the spill if this does not pose risks.

#### For cleaning up

Large spill: Absorb product (with inert material), collect it in special container and dispose it to a licensed hazardous-waste disposal contractor. Smaller quantities treat water. Hardened (polymerized) residue mechanically remove to landfill. Do not use cloths; rags or materials made from cellulose.

#### OTHER INFORMATION

No information.

### 6.4 REFERENCE TO OTHER SECTIONS

See also sections 8 and 13.

## SECTION 7: HANDLING AND STORAGE

### 7.1 PRECAUTIONS FOR SAFE HANDLING

#### Protective measures

#### Measures to prevent fire

Ensure adequate ventilation.

#### Measures to prevent aerosol and dust generation

Use general or local exhaust ventilation to prevent inhaling vapours and aerosols.



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## Measures to protect the environment

No information.

## Other measures

No information.

## Advice on general occupational hygiene

Wear suitable protective equipment; see Section 8. Use good personal hygiene practices – wash hands at breaks and when done working with material. Do not eat, drink or smoke while working. Avoid contact with skin and eyes. Do not breathe vapours/mist. Use only in well-ventilated areas.

## 7.2 CONDITIONS FOR SAFE STORAGE, INCLUDING ANY INCOMPATIBILITIES

### Technical measures and storage conditions

Store in accordance with local regulations. Keep in cool and well ventilated area. Keep away from food, drink and animal feeding stuffs. Keep in a dry place. Keep in tightly closed container. Store between 2°C to 8°C. Protect from open fire, heat and direct sunlight. Keep away from moisture and water. Keep away from oxidizers. Store away from strong bases. Keep away from amines. Keep away from alcohols. Store between 2°C to 24°C.

### Packaging materials

Store only in original container. Keep in containers of the same material as the original one.

### Requirements for storage rooms and vessels

No information.

### Storage class

No information.

### Further information on storage conditions

No information.

## 7.3 SPECIFIC END USE(S)

### Recommendations

See identified uses in Section 1.2.

### Industrial sector specific solutions

No information.

## SECTION 8: EXPOSURE CONTROLS/PERSONAL PROTECTION

### 8.1 CONTROL PARAMETERS

#### Occupational Exposure limit values

| Name                            | mg/m <sup>3</sup> | ml/m <sup>3</sup> | Short-term value mg/m <sup>3</sup> | Short-term value ml/m <sup>3</sup> | Remark | Biological Tolerance Values |
|---------------------------------|-------------------|-------------------|------------------------------------|------------------------------------|--------|-----------------------------|
| Ethyl cyanoacrylate (7085-85-0) | /                 | /                 | 1.5                                | 0.3                                | /      | /                           |
| Hydroquinone (123-31-9)         | 0.5               | /                 | /                                  | /                                  | /      | /                           |

#### Information on monitoring procedures

BS EN 14042:2003 Workplace atmospheres. Guide for the application and use of procedures for the assessment of exposure to chemical and biological agents. BS EN 689:2018 Workplace exposure. Measurement of exposure by inhalation to chemical agents. Strategy for testing compliance with occupational exposure limit values. BS EN 482:2021 Workplace exposure. Procedures for the determination of the concentration of chemical agents. Basic performance requirements.

#### DNEL/DMEL values

##### For product

No information.

##### For components

| Name                  | Type     | Exposure route | exp. frequency             | Remark | value                  |
|-----------------------|----------|----------------|----------------------------|--------|------------------------|
| ethyl 2-cyanoacrylate | Worker   | inhalation     | long term local effects    | /      | 9.25 mg/m <sup>3</sup> |
| ethyl 2-cyanoacrylate | Worker   | inhalation     | long term systemic effects | /      | 9.25 mg/m <sup>3</sup> |
| ethyl 2-cyanoacrylate | Consumer | inhalation     | long term local effects    | /      | 9.25 mg/m <sup>3</sup> |



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| Name                  | Type     | Exposure route | exp. frequency              | Remark | value                  |
|-----------------------|----------|----------------|-----------------------------|--------|------------------------|
| ethyl 2-cyanoacrylate | Consumer | inhalation     | long term systemic effects  | /      | 9.25 mg/m <sup>3</sup> |
| ethyl 2-cyanoacrylate | Worker   | inhalation     | short term systemic effects | /      | 9.25 mg/m <sup>3</sup> |
| ethyl 2-cyanoacrylate | Worker   | inhalation     | short term local effects    | /      | 9.25 mg/m <sup>3</sup> |
| ethyl 2-cyanoacrylate | Consumer | inhalation     | short term systemic effects | /      | 9.25 mg/m <sup>3</sup> |
| ethyl 2-cyanoacrylate | Consumer | inhalation     | short term local effects    | /      | 9.25 mg/m <sup>3</sup> |

## PNEC values

### For product

No information.

### For components

No information.

## 8.2 EXPOSURE CONTROLS

### Appropriate engineering control

### Substance/mixture related measures to prevent exposure during identified uses

Use good personal hygiene practices – wash hands at breaks and when done working with material. Avoid contact with eyes and skin. Do not breathe vapours/aerosols. Do not eat, drink or smoke while working. For additional information on handling with material/product see section 7.1.

### Structural measures to prevent exposure

No information.

### Organisational measures to prevent exposure

Keep eyewash bottles or personal eyewash units available at the workplace.

### Technical measures to prevent exposure

Provide good ventilation and local exhaust in areas with increased concentration.

### Personal protective equipment

#### Eye and face protection

Safety glasses with side protection (BS EN ISO 16321-1:2022).

#### Hand protection

Protective gloves (BS EN ISO 374).

### Appropriate materials

| Material | Thickness | Penetration Time | Remark     |
|----------|-----------|------------------|------------|
| Nitrile  | > 0.15 mm | > 60 min         | EN 374 – 3 |

### Skin protection

Protective work clothing resistant to liquid chemicals (BS EN 14605:2005+A1:2009). Do not wear cellulose based protective clothing (i.e cotton, rayon, linen, viscose).

### Respiratory protection

Protective masks (EN 136) or half masks (EN 140) with filter A (EN 14387). For dust/gas/ vapor concentrations above the applicable filter limit, in case of oxygen concentrations below 17% or in vague conditions, autonomous self-contained breathing apparatus should be used, according to standard BS EN 137, BS EN 138. Self-contained breathing apparatus must be available in case of emergency.

### Thermal hazards

No information.

### Environmental exposure controls

### Substance/mixture related measures to prevent exposure

No information.

### Instruction measures to prevent exposure

No information.

### Organisational measures to prevent exposure

No information.

### Technical measures to prevent exposure

No information.



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## SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES

### 9.1 INFORMATION ON BASIC PHYSICAL AND CHEMICAL PROPERTIES

Physical state

liquid

Colour

colourless

Odour

pungent

Important health, safety and environmental information

|   |  |
|---|--|
| <b>Odour threshold</b>  | No information.  |
| <b>Melting point/Freezing point</b>                             | -31 °C   |
| <b>Boiling point or initial boiling point and boiling range</b> | > 150 °C at 1003 hPa   |
| <b>Flammability</b>   | No information.  |
| <b>Lower and upper explosion limit</b>                          | No information.  |
| <b>Flash point</b>  | > 85 °C  |
| <b>Auto-ignition temperature</b>                                | No information.  |
| <b>Decomposition temperature</b>                                | No information.  |
| <b>pH</b>   | substance/mixture reacts with water                                      |
| <b>Viscosity</b>  | Dynamic: 40 — 1500 cP at 20 °C<br>kinematic: ca. 1440 mm <sup>2</sup> /s |
| <b>Solubility</b>   | Water: 0.024 g/l at 20 °C, pH 6.3  |
| <b>Partition coefficient</b>                                    | No information.  |
| <b>Vapour pressure</b>  | 21 hPa at 20 °C  |
| <b>Density and/or relative density</b>                          | Relative density: 1.04   |
| <b>Relative vapour density</b>                                  | No information.  |
| <b>Particle characteristics</b>                                 | No information.  |

### 9.2 OTHER INFORMATION

|                                |                           |
|--------------------------------|---------------------------|
| <b>Weight organic solvents</b> | ≤ 3 g/l (VOC)             |
| <b>Oxidising properties</b>    | (Not oxidising.)          |
| <b>Explosive properties</b>    | Product is not explosive. |

Other information

Reacts with water. Soluble in acetone.

## SECTION 10: STABILITY AND REACTIVITY

### 10.1 REACTIVITY

Reacts with water to the solid product. Hardening time: < 50 seconds.

### 10.2 CHEMICAL STABILITY

Stable under normal conditions.

### 10.3 POSSIBILITY OF HAZARDOUS REACTIONS

Risk of exothermic polymerization. Heating may cause the container to burst.

### 10.4 CONDITIONS TO AVOID

Protect from heat, direct sunlight, open fire, sparks. Avoid high temperatures. Protect from moisture and water - keep in dry place.

### 10.5 INCOMPATIBLE MATERIALS

Water. Moisture.  
Oxidants.  
Strong bases.  
Amines.  
Alcohols.

### 10.6 HAZARDOUS DECOMPOSITION PRODUCTS



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Under normal use conditions no hazardous decomposition products are expected. In case of fire/explosion vapours/gases that pose a health hazard are released. Carbon dioxide; Carbon monoxide.  
Nitrogen oxides. Smoke.

### SECTION 11: TOXICOLOGICAL INFORMATION

#### 11.1 INFORMATION ON HAZARD CLASSES AS DEFINED IN REGULATION (EC) NO 1272/2008

##### (a) Acute toxicity

For components

| Name                  | Exposure route | Type             | Species | Time | value        | Method   | Remark |
|-----------------------|----------------|------------------|---------|------|--------------|----------|--------|
| ethyl 2-cyanoacrylate | oral           | LD <sub>50</sub> | rat     | /    | > 5 ml/kg    | /        | /      |
| 1,4-dihydroxybenzene  | dermal         | LD <sub>50</sub> | rabbit  | /    | > 2000 mg/kg | OECD 402 | /      |

##### Additional information

Based on available data, the classification criteria are not met.

##### (b) Skin corrosion/irritation

No information.

##### Additional information

Causes skin irritation.

##### (c) Serious eye damage/irritation

No information.

##### Additional information

Causes serious eye irritation.

##### (d) Respiratory or skin sensitisation

No information.

##### Additional information

Based on the available data does not meet the criteria for classification.

##### (e) (Germ cell) mutagenicity

For product

| Type | Species | Time | result  | Method | Remark |
|------|---------|------|---|--------|--------|
| /    | /       | /    | Based on available data, the classification criteria are not met. | /      | /      |

##### (f) Carcinogenicity

For product

| Exposure route | Type | Species | Time | value | result   | Method | Remark |
|----------------|------|---------|------|-------|--|--------|--------|
| /              | /    | /       | /    | /     | Based on the available data does not meet the criteria for classification. | /      | /      |

##### (g) Reproductive toxicity

For product



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| Reproductive toxicity type | Species | Time | value | result   | Method | Remark |
|----------------------------|---------|------|-------|--|--------|--------|
| /                          | /       | /    | /     | Based on the available data does not meet the criteria for classification. | /      | /      |

## Summary of evaluation of the CMR properties

No information.

### (h) STOT-single exposure

No information.

### Additional information

STOT - single exposure: May cause respiratory irritation.

### (i) STOT-repeated exposure

No information.

### Additional information

STOT RE - repeated exposure: Based on available data, the classification criteria are not met.

### (j) Aspiration hazard

No information.

### Additional information

Aspiration hazard: based on available data, the classification criteria are not met.

## Symptoms related to the physical, chemical and toxicological characteristics

No information.

## Interactive effects

No information.

## 11.2 INFORMATION ON OTHER HAZARDS

### Endocrine disrupting properties

No information.

### Other information

No information.

## SECTION 12: ECOLOGICAL INFORMATION

### 12.1 TOXICITY

#### Acute (short-term) toxicity

No information.

#### Chronic (long-term) toxicity

No information.

### 12.2 PERSISTENCE AND DEGRADABILITY

#### Abiotic degradation, physical- and photo-chemical elimination

No information.

#### Biodegradation

No information.

### 12.3 BIOACCUMULATIVE POTENTIAL

#### Partition coefficient

For components

| Name                  | Media                   | value | Temperature °C | pH  | Concentration | Method |
|-----------------------|-------------------------|-------|----------------|-----|---------------|--------|
| ethyl 2-cyanoacrylate | octanol-water (log Kow) | /     | 22             | 6.3 | /             | /      |

#### Bioconcentration factor (BCF)

No information.

### 12.4 MOBILITY IN SOIL





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## Known or predicted distribution to environmental compartments

No information.

## Surface tension

No information.

## Adsorption/Desorption

No information.

## Additional information

The product has low mobility in the soil.

## 12.5 RESULTS OF PBT AND VPVB ASSESSMENT

No evaluation.

## 12.6 ENDOCRINE DISRUPTING PROPERTIES

No information.

## 12.7 OTHER ADVERSE EFFECTS

No information.

## 12.8 ADDITIONAL INFORMATION

### For product

Product is not classified as dangerous for environment. Reacts with water to the solid product. No bioaccumulation potential

## SECTION 13: DISPOSAL CONSIDERATIONS

### 13.1 WASTE TREATMENT METHODS

#### Product / Packaging disposal

#### Waste chemical

Dispose of in accordance with applicable waste disposal regulation. Disposal must be made according to official regulations: deliver it to authorised collector/remover/transformer of hazardous waste. Do not allow product to reach drains/sewage systems.

#### Waste codes / waste designations according to LoW

08 04 09\* - waste adhesives and sealants containing organic solvents or other dangerous substances

#### Packaging

Packaging must be completely emptied - scrape with a spatula or brush so that the remaining amount of goods is no longer usable and does not drip from the packaging. Packaging emptied in this way is not hazardous waste. Deliver completely emptied containers to approved waste disposal authorities. Uncleaned containers are classified as hazardous waste - they should be handled in the same manner as the contents. Cleaned uncontaminated packaging may be taken for recycling. Dispose of in accordance with applicable waste disposal regulation.

#### Waste codes / waste designations according to LoW

15 01 02 - plastic packaging  
15 01 04 - metallic packaging  
15 01 10\* - packaging containing residues of or contaminated by dangerous substances

#### Waste treatment-relevant information

No information.

#### Sewage disposal-relevant information

No information.

#### Other disposal recommendations

No information.

## SECTION 14: TRANSPORT INFORMATION

| ADR/RID                                | IMDG                              | IATA                              | ADN                               |
|--|-----------------------------------|-----------------------------------|-----------------------------------|
| <b>14.1 UN number or ID number</b>     |                                   |                                   |                                   |
| UN 3334                                | UN 3334                           | UN 3334                           | UN 3334                           |
| <b>14.2 UN proper shipping name</b>    |                                   |                                   |                                   |
| Aviation regulated liquid, n.o.s.      | Aviation regulated liquid, n.o.s. | Aviation regulated liquid, n.o.s. | Aviation regulated liquid, n.o.s. |
| <b>14.3 Transport hazard class(es)</b> |                                   |                                   |                                   |
| 9                                      | 9                                 | 9                                 | 9                                 |
| <b>14.4 Packing group</b>              |                                   |                                   |                                   |
| Not given/not applicable               | Not given/not applicable          | Not given/not applicable          | Not given/not applicable          |



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| ADR/RID   | IMDG   | IATA  | ADN  |
|---|--|---|--|
| <b>14.5 Environmental hazards</b>                                   |  |   |  |
| NO  | NO   | NO  | NO   |
| <b>14.6 Special precautions for user</b>                            |  |   |  |
| Limited quantities<br>Not given/not applicable                      | Limited quantities<br>Not given/not applicable<br>Flash point<br>85 °C | Limited Quantity, Packing<br>Instructions (Ltd Qty, Pkg<br>Inst)<br>Y964<br>Limited Quantity, Maximum<br>Net Quantity/Package (Ltd<br>Qty, Max Net Qty/Pkg)<br>30 kg G<br>Packing Instructions (Pkg<br>Inst)<br>964<br>Maximum Net<br>Quantity/Package (Max Net<br>Qty/Pkg)<br>450 L<br>Cargo Aircraft Only, Packing<br>Instructions (CAO, Pkg Inst)<br>964<br>Cargo Aircraft Only,<br>Maximum Net<br>Quantity/Package (CAO,<br>Max Net Qty/Pkg)<br>450 L<br>Special provisions<br>A27<br>Excepted quantities<br>E1<br>ERG code<br>9A<br>*For additional information<br>see below | Limited quantities<br>Not given/not applicable |
| <b>14.7 Maritime transport in bulk according to IMO instruments</b> |  |   |  |

### Additional information (IATA)

**IATA:** Limited Quantity: Y964, 30 kg G;  
Cargo Packing Instruction: 964; Net Qty: 450 L;  
Passenger Packing Instruction: 964; Net Qty: 30kg G L  
Packing group: III.

## SECTION 15: REGULATORY INFORMATION

### 15.1 SAFETY, HEALTH AND ENVIRONMENTAL REGULATIONS/LEGISLATION SPECIFIC FOR THE SUBSTANCE OR MIXTURE

- Regulation (EC) No 1907/2006 concerning the Registration, Evaluation, Authorisation and Restriction of Chemicals (REACH) (including last amendment Commission Regulation (EU) 2020/878)
- Regulation (EC) No 1272/2008 on classification, labelling and packaging of substances and mixtures

#### Information according 2004/42/EC about limitation of emissions of volatile organic compounds (VOC-guideline)

not applicable

#### Regulation EC 648/2004 on detergents

No information.

#### Special instructions

No information.

### 15.2 CHEMICAL SAFETY ASSESSMENT



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No Chemical Safety Assessment has been carried out for this substance/mixture by the supplier.

## SECTION 16: OTHER INFORMATION

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### Indication of changes

2.2 Label elements 2.3 Other hazards 4.1 Description of first aid measures 8.2 Exposure controls 9.1 Information on basic physical and chemical properties  
9.2 OTHER INFORMATION 11.1 Information on hazard classes as defined in Regulation (EC) No 1272/2008 12.6 Endocrine disrupting properties 12.7  
Other adverse effects 15.1 Safety, health and environmental regulations/legislation specific for the substance or mixture

### Key literature references and sources for data

No information.

### Abbreviations and acronyms



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ATE - Acute Toxicity Estimate  
 ADR - Agreement concerning the International Carriage of Dangerous Goods by Road  
 ADN - European Agreement concerning the International Carriage of Dangerous Goods by Inland Waterways  
 CEN - European Committee for Standardisation  
 C&L - Classification and Labelling  
 CLP - Classification Labelling Packaging Regulation; Regulation (EC) No 1272/2008  
 CAS# - Chemical Abstracts Service number  
 CMR - Carcinogen, Mutagen, or Reproductive Toxicant  
 CSA - Chemical Safety Assessment  
 CSR - Chemical Safety Report  
 DMEL - Derived Minimal Effect Level  
 DNEL - Derived No Effect Level  
 DPD - Dangerous Preparations Directive 1999/45/EC  
 DSD - Dangerous Substances Directive 67/548/EEC  
 DU - Downstream User  
 EC - European Community  
 ECHA - European Chemicals Agency  
 EC-Number - EINECS and ELINCS Number (see also EINECS and ELINCS)  
 EEA - European Economic Area (EU + Iceland, Liechtenstein and Norway)  
 EEC - European Economic Community  
 EINECS - European Inventory of Existing Commercial Substances  
 ELINCS - European List of notified Chemical Substances  
 EN - European Standard  
 EQS - Environmental Quality Standard  
 EU - European Union  
 Euphrac - European Phrase Catalogue  
 EWC - European Waste Catalogue (replaced by LoW – see below)  
 GES - Generic Exposure Scenario  
 GHS - Globally Harmonized System  
 IATA - International Air Transport Association  
 ICAO-TI - Technical Instructions for the Safe Transport of Dangerous Goods by Air  
 IMDG - International Maritime Dangerous Goods  
 IMSBC - International Maritime Solid Bulk Cargoes  
 IT - Information Technology  
 IUCLID - International Uniform Chemical Information Database  
 IUPAC - International Union for Pure Applied Chemistry  
 JRC - Joint Research Centre  
 Kow - octanol-water partition coefficient  
 LC50 - Lethal Concentration to 50 % of a test population  
 LD50 - Lethal Dose to 50% of a test population (Median Lethal Dose)  
 LE - Legal Entity  
 LoW - List of Wastes (see <http://ec.europa.eu/environment/waste/framework/list.htm>)  
 LR - Lead Registrant  
 M/I - Manufacturer / Importer  
 MS - Member States  
 MSDS - Material Safety Data Sheet  
 OC - Operational Conditions  
 OECD - Organization for Economic Co-operation and Development  
 OEL - Occupational Exposure Limit  
 OJ - Official Journal  
 OR - Only Representative  
 OSHA - European Agency for Safety and Health at work  
 PBT - Persistent, Bioaccumulative and Toxic substance  
 PEC - Predicted Effect Concentration  
 PNEC(s) - Predicted No Effect Concentration(s)  
 PPE - Personal Protection Equipment  
 (Q)SAR - Qualitative Structure Activity Relationship  
 REACH - Registration, Evaluation, Authorisation and Restriction of Chemicals Regulation (EC) No 1907/2006  
 RID - Regulations concerning the International Carriage of Dangerous Goods by Rail  
 RIP - REACH Implementation Project  
 RMM - Risk Management Measure  
 SCBA - Self-Contained Breathing Apparatus  
 SDS - Safety data sheet  
 SIEF - Substance Information Exchange Forum  
 SME - Small and Medium sized Enterprises  
 STOT - Specific Target Organ Toxicity  
 (STOT) RE - Repeated Exposure  
 (STOT) SE - Single Exposure  
 SVHC - Substances of Very High Concern  
 UN - United Nations  
 vPvB - Very Persistent and Very Bioaccumulative

## List of relevant H phrases



## Safety data sheet

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H302 Harmful if swallowed.  
H315 Causes skin irritation.  
H317 May cause an allergic skin reaction.  
H318 Causes serious eye damage.  
H319 Causes serious eye irritation.  
H335 May cause respiratory irritation.  
H341 Suspected of causing genetic defects.  
H351 Suspected of causing cancer.  
H400 Very toxic to aquatic life.