

# SAFETY DATA SHEET ACCORDING TO REGULATION (EC) 1907/2006

**Product name: Acrilove B**

**Creation date: 29.11.2022, Revision: 13.03.2024, version: 1.0**

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

### 1.1 Product identifier

Product name

Acrilove B

UFI:

P8FE-M98F-100Q-0JX2



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

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

Relevant identified uses

Hardener.

Uses advised against

No information.

### 1.3 Details of the supplier of the safety data sheet

Supplier

Acrilove d.o.o.

Polje 9

6310 Izola, Slovenia

00386 51 288 408

gf@acrilove.com

### 1.4 Emergency Telephone Number

Emergency

112

Supplier

00386 51 288 408

## SECTION 2: HAZARDS IDENTIFICATION

### 2.1 Classification of the substance or mixture

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

Skin Sens. 1; H317 May cause an allergic skin reaction.

Aquatic Chronic 2; H411 Toxic to aquatic life with long lasting effects.

### 2.2 Label elements

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



**Signal word: WARNING**

H317 May cause an allergic skin reaction.

H411 Toxic to aquatic life with long lasting effects.

P210 Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking.

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 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.

P501 Dispose of contents/container in accordance with national regulation.

**Contains:**

dibenzoyl peroxide

**2.3 Other hazards****PBT/vPvB**

No information.

**Endocrine disrupting properties**

The product does not contain substances with the potential for endocrine disorders.

**Additional information**

No information.

**SECTION 3: COMPOSITION/INFORMATION ON INGREDIENTS****3.1 Substances**

For mixtures see 3.2.

**3.2 Mixtures**

| Name                          | CAS EC Index Reach                                       | %      | Classification according to Regulation (EC) No 1272/2008 (CLP)  | Specific Concentration Limits | Notes for substances |
|-------------------------------|--|--------|---|-------------------------------|----------------------|
| dipropylene glycol dibenzoate | 27138-31-4<br>248-258-5<br>-<br>01-2119529241-49         | 50-100 | Aquatic Chronic 3; H412   | /                             | /                    |
| dibenzoyl peroxide            | 94-36-0<br>202-327-6<br>617-008-00-0<br>01-2119511472-50 | 1-10   | Org. Perox. B; H241<br>Skin Sens. 1; H317<br>Eye Irrit. 2; H319<br>Aquatic Acute 1; H400;<br>M = 10<br>Aquatic Chronic 1;<br>H410; 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. When in doubt or if feeling unwell seek medical assistance. Show the safety data sheet and label to the physician.

**Following inhalation**

Remove patient to fresh air - move out of dangerous area. Obtain professional medical help!

**Following skin contact**

Take off all contaminated clothing. Wash affected skin areas immediately with plenty of water and soap. If symptoms develop and persist, seek medical attention.

**Following eye contact**

Immediately flush eyes with running water, keeping eyelids apart. If irritation persists, seek professional medical attention.

**Following ingestion**

Do not induce vomiting! 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**

Excessive exposure to spray mist, fog, or vapours may cause respiratory irritation.

**Following skin contact**

Contact with skin may cause irritation (redness, itching). May cause sensitisation by skin contact (itching, redness, rashes).

**Following eye contact**

Contact with eyes can cause irritation (redness, tearing, pain).

**Following ingestion**

May cause nausea/vomiting and diarrhea. May cause abdominal discomfort.

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

Treat symptomatically.

**SECTION 5: FIREFIGHTING MEASURES****5.1 Extinguishing media****Suitable extinguishing media**

Carbon dioxide. Dry chemical powder. Water spray. Alcohol resistant foam.

**Unsuitable extinguishing media**

Full water jet.

**5.2 Special hazards arising from the substance or mixture****Hazardous combustion products**

In case of a fire toxic gases can be generated; do not inhale gases/smoke.

**5.3 Advice for firefighters****Protective actions**

In case of fire or heating do not breathe fumes/vapours. No action shall be taken involving any personal risk or without suitable training. Cool containers at risk with water spray. If possible remove containers from endangered area.

**Special protective equipment for fire-fighters**

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

**Additional information**

Contaminated firefighting water and fire residues must be disposed of in accordance with the local regulations.

**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. Keep away from sources of ignition and/or heat; No smoking!

**Emergency procedures**

No action shall be taken involving any personal risk or without suitable training. Prevent access to unprotected personnel. Evacuate the danger zone. Do not breathe vapour or mist. Avoid contact with skin, eyes and clothing.

**For emergency responders**

Use personal protective equipment.

**6.2 Environmental precautions**

Do not allow product to reach water/drains/sewage systems or permeable soil. In case of release into the environment, inform the relevant 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**

Absorb product (with inert material), collect it in special container and dispose it to a licensed hazardous-waste disposal contractor. Dispose in accordance with applicable regulations (see Section 13).

**Other information**

See Section 7: safe handling.

**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. Keep away from sources of ignition - no smoking. Take precautionary measures against static discharges.

**Measures to prevent aerosol and dust generation**

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

**Measures to protect the environment**

Do not discharge into drains, surface water and soil. After use immediately close container tightly.

**Other measures**

No information.

**Advice on general occupational hygiene**

Use good personal hygiene practices – wash hands at breaks and when done working with material. Do not eat, drink or smoke while working. Do not breathe vapours/mist. Avoid contact with skin, eyes and clothes. Remove contaminated clothes and wash them before reuse. Wear suitable protective equipment; see Section 8.

**7.2 Conditions for safe storage, including any incompatibilities****Technical measures and storage conditions**

Keep in a cool, dry and well ventilated place. Protect from open fire, heat and direct sunlight. Keep away from food, drink and animal feeding stuffs. Store below 30°C. Protect from cold (prevent freezing).

**Packaging materials**

Store only in original container.

**Requirements for storage rooms and vessels**

Close opened containers after use. Put the containers upright to prevent from leaking. Do not store in unlabelled containers.

**Storage temperature**

No information.

**Storage class**

No information.

**Further information on storage conditions**

No information.

**7.3 Specific end use(s)****Recommendations**

No information.

**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<br>mg/m <sup>3</sup> | Short-term value<br>ml/m <sup>3</sup> | Remark | Biological Tolerance<br>Values |
|---|-------------------|-------------------|---------------------------------------|---------------------------------------|--------|--------------------------------|
| Dibenzoyl peroxide<br>(94-36-0)               | 5                 | /                 | /                                     | /                                     | /      | /                              |
| Ethane-1,2-diol<br>particulate (107-21-<br>1) | 10                | /                 | /                                     | /                                     | Sk     | /                              |
| Ethane-1,2-diol<br>vapour (107-21-1)          | 52                | 20                | 104                                   | 40                                    | Sk     | /                              |
| Iron oxide, fume (as<br>Fe) (1309-37-1)       | 5                 | /                 | 10                                    | /                                     | /      | /                              |
| Rouge respirable<br>(1309-37-1)               | 4                 | /                 | /                                     | /                                     | /      | /                              |
| Rouge total<br>inhalable (1309-37-<br>1)      | 10                | /                 | /                                     | /                                     | /      | /                              |

**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**

No information.

**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. Handle in accordance

with good industrial hygiene and safety practice. Avoid contact with skin, eyes and clothes. Do not eat, drink or smoke while working. Do not breathe vapours/aerosols.

#### Structural measures to prevent exposure

No information.

#### Organisational measures to prevent exposure

Remove all contaminated clothes immediately and wash them before reuse.

#### Technical measures to prevent exposure

Provide good ventilation and local exhaust in areas with increased concentration. Keep away from food, drink and animal feeding stuffs.

#### Personal protective equipment

##### Eye and face protection

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

##### Hand protection

Protective gloves (EN ISO 374-1:2016). Observe the manufacturer's instructions regarding the use, storage, maintenance and replacement of gloves. In case of damage or at the first signs of wear and tear, change the gloves immediately. The selection of the suitable gloves does not only depend on the material, but also on further marks of quality and varies from manufacturer to manufacturer. The penetration time is determined by the protective glove manufacturer and must be observed.

#### Appropriate materials

##### Skin protection

Cotton protective clothing and shoes that cover the entire foot (BS EN ISO 20345:2022).

##### Respiratory protection

In case of insufficient ventilation wear suitable respiratory protection. Wear suitable protective breathing mask (BS EN 136) with filter A2-P2 (BS EN 14387).

##### 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

Do not allow product to reach drains, sewage systems or ground water.

## SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES

### 9.1 Information on basic physical and chemical properties

#### Important health, safety and environmental information

|  |   |
|--|---|
| Physical state   | liquid                                      |
| Shape  | paste                                       |
| Colour   | white                                       |
| Odour  | mild  |
| Odour threshold  | No information.                             |
| Melting/freezing point or softening point                | No information.                             |
| Boiling point or initial boiling point and boiling range | No information.                             |
| Flammability (solid, gas)                                | No information.                             |
| Explosion limits (vol%)                                  | No information.                             |
| Flash point  | No information.                             |
| Auto-ignition temperature                                | No information.                             |
| Decomposition temperature                                | No information.                             |
| pH   | substance/mixture is non-soluble (in water) |

|   |                 |
|---|-----------------|
| Viscosity   | No information. |
| Solubility (Water)                                | Insoluble       |
| Partition coefficient n-octanol/water (log value) | No information. |
| Vapour pressure                                   | No information. |
| Density / weight                                  | No information. |
| Relative vapour/gas density                       | No information. |
| Particle characteristics                          | No information. |

## 9.2 Other information

Information with regard to physical hazard classes

No information.

Other safety characteristics

No information.

## SECTION 10: STABILITY AND REACTIVITY

### 10.1 Reactivity

Stable under normal conditions.

### 10.2 Chemical stability

Product is stable under normal conditions of use, recommended handling and storage conditions.

### 10.3 Possibility of hazardous reactions

There are no known hazardous reactions.

### 10.4 Conditions to avoid

Protect from heat, direct sunlight, open fire, sparks.

### 10.5 Incompatible materials

Strong oxidising agents.

### 10.6 Hazardous decomposition products

Under normal use conditions no hazardous decomposition products are expected. In case of fire/explosion vapours/gases that pose a health hazard are released.

## 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 |
|-------------------------------|----------------|------------------|---------|------|------------|--------|--------|
| dipropylene glycol dibenzoate | oral           | LD <sub>50</sub> | rat     | /    | 3914 mg/kg | /      | /      |

|                               |            |                  |     |     |              |   |   |
|-------------------------------|------------|------------------|-----|-----|--------------|---|---|
| dipropylene glycol dibenzoate | dermal     | LD50             | rat | /   | > 2000 mg/kg | / | / |
| dipropylene glycol dibenzoate | inhalation | LC <sub>50</sub> | rat | 4 h | > 200 mg/l   | / | / |

**Additional information**

The product is not classified as acutely toxic.

**(b) Skin corrosion/irritation****For components**

| Name                          | Species | Time | result              | Method | Remark |
|-------------------------------|---------|------|---------------------|--------|--------|
| dipropylene glycol dibenzoate | rabbit  | 4 h  | No irritant effect. | /      | /      |

**Additional information**

The product is not classified as irritating to the skin.

**(c) Serious eye damage/irritation****For components**

| Name                          | Exposure route | Species | Time | result              | Method   | Remark |
|-------------------------------|----------------|---------|------|---------------------|----------|--------|
| dipropylene glycol dibenzoate | /              | rabbit  | /    | Mild irritating.    | /        | /      |
| dibenzoyl peroxide            | /              | rabbit  | /    | Irritating to eyes. | OECD 405 | /      |

**Additional information**

The product is not classified as an irritant to the eyes.

**(d) Respiratory or skin sensitisation****For components**

| Name                          | Exposure route | Species    | Time | result           | Method                 | Remark |
|-------------------------------|----------------|------------|------|------------------|------------------------|--------|
| dipropylene glycol dibenzoate | dermal         | guinea pig | /    | Non sensitising. | /                      | /      |
| dibenzoyl peroxide            | dermal         | guinea pig | /    | Sensitizing.     | OECD 406, Buehler test | /      |

**Additional information**

May cause an allergic skin reaction.

**(e) (Germ cell) mutagenicity****For components**

| Name                          | Type | Species  | Time | result    | Method | Remark |
|-------------------------------|------|----------|------|-----------|--------|--------|
| dipropylene glycol dibenzoate | /    | Mammals  | /    | Negative. | /      | /      |
| dipropylene glycol dibenzoate | /    | Bacteria | /    | Negative. | /      | /      |

**(f) Carcinogenicity**

No information.

**(g) Reproductive toxicity**

No information.

**Summary of evaluation of the CMR properties**

The product is not classified as carcinogenic, mutagenic or toxic for reproduction.

**(h) STOT-single exposure**

No information.

**Additional information**

STOT SE (single exposure): Not classified.

**(i) STOT-repeated exposure****For components**

| Name                          | Exposure route | Type  | Species | Time    | Exposure | organ | value      | result | Method | Remark |
|-------------------------------|----------------|-------|---------|---------|----------|-------|------------|--------|--------|--------|
| dipropylene glycol dibenzoate | oral           | NOAEL | rat     | 90 days | /        | /     | 1000 mg/kg | /      | /      | /      |



**Additional information**

STOT RE (repeated exposure): Not classified.

**(j) Aspiration hazard**

No information.

**Additional information**

Aspiration hazard: Not classified.

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

No information.

**Interactive effects**

No information.

**11.2 Information on other hazards****Endocrine disrupting properties**

The product does not contain substances with the potential for endocrine disorders.

**Other information**

No information.

**SECTION 12: ECOLOGICAL INFORMATION****12.1 Toxicity****Acute (short-term) toxicity****For components**

| Name                          | Type              | value       | Exposure time | Species   | organism                               | Method   | Remark |
|-------------------------------|-------------------|-------------|---------------|-----------|--|----------|--------|
| dipropylene glycol dibenzoate | LC <sub>50</sub>  | 3.7 mg/L    | 96 h          | fish      | /                                      | /        | /      |
| dipropylene glycol dibenzoate | LL <sub>50</sub>  | 19.3 mg/L   | 48 h          | crustacea | <i>Daphnia</i>                         | /        | /      |
| dipropylene glycol dibenzoate | LL <sub>50</sub>  | 4.9 mg/L    | 72 h          | algae     | /                                      | /        | /      |
| dipropylene glycol dibenzoate | NOELR             | 1 mg/L      | 72 h          | algae     | /                                      | /        | /      |
| dibenzoyl peroxide            | LC <sub>50</sub>  | 0.0602 mg/L | 96 h          | fish      | <i>Oncorhynchus mykiss</i>             | OECD 203 | /      |
| dibenzoyl peroxide            | EC <sub>50</sub>  | 0.11 mg/L   | 48 h          | crustacea | <i>Daphnia magna</i>                   | OECD 202 | /      |
| dibenzoyl peroxide            | ErC <sub>50</sub> | 0.0711 mg/L | 72 h          | algae     | <i>Pseudokirchneriella subcapitata</i> | OECD 201 | /      |

**Chronic (long-term) toxicity****For components**

| Name               | Type | value      | Exposure time | Species   | organism             | Method   | Remark |
|--------------------|------|------------|---------------|-----------|----------------------|----------|--------|
| dibenzoyl peroxide | EC10 | 0.001 mg/l | 21 days       | crustacea | <i>Daphnia magna</i> | OECD 211 | /      |

**12.2 Persistence and degradability****Abiotic degradation, physical- and photo-chemical elimination**

No information.

**Biodegradation****For components**

| Name                          | Type    | Rate      | Time    | Evaluation            | Method | Remark |
|-------------------------------|---------|-----------|---------|-----------------------|--------|--------|
| dipropylene glycol dibenzoate | aerobic | 87 %      | 28 days | readily biodegradable | /      | /      |
| dipropylene glycol dibenzoate | BOD5    | 650 mg/g  | /       | /                     | /      | /      |
| dipropylene glycol dibenzoate | COD     | 2230 mg/g | /       | /                     | /      | /      |

### 12.3 Bioaccumulative potential

Partition coefficient n-octanol/water (log value)

No information.

Bioconcentration factor (BCF)

No information.

### 12.4 Mobility in soil

Known or predicted distribution to environmental compartments

No information.

Surface tension

No information.

Adsorption/Desorption

No information.

### 12.5 Results of PBT and vPvB assessment

No evaluation.

### 12.6 Endocrine disrupting properties

The product does not contain substances with the potential for endocrine disorders.

### 12.7 Other adverse effects

No information.

### 12.8 Additional information

For product

Toxic to aquatic organisms: may cause long-term adverse effects in the aquatic environment. Do not allow to reach ground water, water courses or sewage system.

## SECTION 13: DISPOSAL CONSIDERATIONS

### 13.1 Waste treatment methods

Product / Packaging disposal

Waste chemical

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. Dispose of in accordance with applicable waste disposal regulation.

Waste codes / waste designations according to LoW

No information.

Packaging

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. Dispose of in accordance with applicable waste disposal regulation.

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

No information.

**Waste treatment-relevant information**

No information.

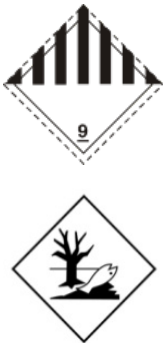
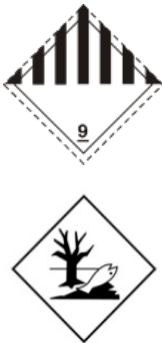
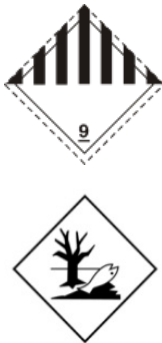
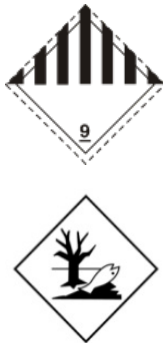
**Sewage disposal-relevant information**

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 3082  | UN 3082   | UN 3082   | UN 3082   |
| <b>14.2 UN proper shipping name</b>  |   |   |   |
| ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S. (dibenzoyl peroxide)           | ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S. (dibenzoyl peroxide)            | ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S. (dibenzoyl peroxide)            | ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S. (dibenzoyl peroxide)              |
| <b>14.3 Transport hazard class(es)</b>   |   |   |   |
| 9  | 9   | 9   | 9   |
|  |  |  |  |
| <b>14.4 Packing group</b>  |   |   |   |
| III  | III   | III   | III   |
| <b>14.5 Environmental hazards</b>  |   |   |   |
| YES  | Marine pollutant  | YES   | YES   |
| <b>14.6 Special precautions for user</b>   |   |   |   |

|   |  |   |                           |
|---|--|---|---------------------------|
| Limited quantities<br>5 L<br>Special provisions<br>274, 335, 375, 601<br>Packing Instructions<br>P001, IBC03, LP01, R001<br>Special packing provisions<br>PP1<br>Transport category<br>3<br>Tunnel restriction code<br>(-)<br>Classification code<br>M6 | Limited quantities<br>5 L<br>EmS<br>F-A, S-F                                 | Limited Quantity, Packing Instructions (Ltd Qty, Pkg Inst) Y964<br>Limited Quantity, Maximum Net Quantity/Package (Ltd Qty, Max Net Qty/Pkg) 30 kg G<br>Packing Instructions (Pkg Inst) 964<br>Maximum Net Quantity/Package (Max Net Qty/Pkg) 450 L<br>Cargo Aircraft Only, Packing Instructions (CAO, Pkg Inst) 964<br>Cargo Aircraft Only, Maximum Net Quantity/Package (CAO, Max Net Qty/Pkg) 450 L<br>Special provisions A97, A158, A197<br>Excepted quantities E1<br>ERG code 9L | Limited quantities<br>5 L |
| 14.7 Maritime transport in bulk according to IMO instruments  |  |   |                           |
|   | Goods may not be carried in bulk in bulk containers, containers or vehicles. |   |                           |

## 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

Ingredients according to Regulation (EC) No 648/2004 on detergents  
No information.

Special instructions  
No information.

### 15.2 Chemical Safety Assessment

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

## SECTION 16: OTHER INFORMATION

Indication of changes  
3.2 Mixtures

Key literature references and sources for data  
No information.

Abbreviations and acronyms

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

H241 Heating may cause a fire or explosion.  
H317 May cause an allergic skin reaction.  
H319 Causes serious eye irritation.  
H400 Very toxic to aquatic life.  
H410 Very toxic to aquatic life with long lasting effects.  
H412 Harmful to aquatic life with long lasting effects.



- ☑ Provided correct labelling of the product
- ☑ Compliance with the local legislation
- ☑ Provided correct classification of the product
- ☑ Provided adequate transport data

[BENS](#)  
© [Consulting](#) | [www.bens-consulting.com](http://www.bens-consulting.com)

*The information of this SDS is based on the present state of our knowledge and meets the requirements of EU and national laws. The user's working conditions however, are beyond our knowledge and control. The product is not to be used for purposes other than those specified under section 1 without a written permission. It remains the responsibility of the user to ensure that the necessary steps are taken to meet the laws and regulations. Handling of the product may only be done by people above 18 years of age, who are satisfactorily informed of how to do the work, the hazardous properties and necessary safety precautions. The information given in this SDS is to describe the product only in terms of health and safety requirements and should not, therefore, be construed as guaranteeing specific properties.*