

SURFAC B4

Safety Data Sheet

according to the REACH Regulation (EC) 1907/2006 amended by Regulation (EU) 2020/878
Issue date: 29/08/2023 Version: 1.0

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

1.1. Product identifier

| | |
|-----------------|--------------------------|
| Product form | : Mixture |
| Trade name | : SURFAC B4 |
| Product code | : B4 |
| Type of product | : Detergent |
| Synonyms | : Cocamidopropyl Betaine |
| Product group | : Raw material |

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

1.2.1. Relevant identified uses

| | |
|--------------------------|--------------------------------|
| Main use category | : Industrial use, Cosmetic use |
| Function or use category | : Surfactants |

1.2.2. Uses advised against

No additional information available

1.3. Details of the supplier of the safety data sheet

Supplier

Fizzywhiz.
23 Maritime Enterprise Park
Atlas Road , Bootle
L20 4DY Liverpool
United Kingdom
T +44 01519220041
info@fizzywhiz.com – <https://fizzywhiz.com>

Only Representative

Banner Chemicals Benelux NV
Science Park/ Incubator Darwin Office A 212
Galileilaan 15
2845
Niel
Belgium
T +32 491 285 474

1.4. Emergency telephone number

Emergency number : +44 (0) 870 190 6777 (National Emergency Centre); +44 (0)1270 502891

SECTION 2: Hazards identification

2.1. Classification of the substance or mixture

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

| | |
|---|------|
| Serious eye damage/eye irritation, Category 1 | H318 |
| Hazardous to the aquatic environment – Chronic Hazard, Category 3 | H412 |

Full text of H- and EUH-statements: see section 16

Adverse physicochemical, human health and environmental effects Causes serious eye irritation.

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2.2. Label elements

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

Hazard pictograms (CLP)



GHS05

Signal word (CLP)

: Danger

Contains

: 1-Propanaminium, 3-amino-N-(carboxymethyl)-N,N-dimethyl-, N-C8-18(even numbered) acyl derivs., hydroxides, inner salts

Hazard statements (CLP)

: H318 - Causes serious eye damage.
H412 - Harmful to aquatic life with long lasting effects.

Precautionary statements (CLP)

: P273 - Avoid release to the environment.
P280 - Wear protective clothing, eye protection, face protection.
P305+P351+P338 - IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.
P310 - Immediately call a doctor, a POISON CENTER.

2.3. Other hazards

This substance/mixture does not meet the PBT criteria of REACH regulation, annex XIII

This substance/mixture does not meet the vPvB criteria of REACH regulation, annex XIII

Contains no PBT/vPvB substances $\geq 0.1\%$ assessed in accordance with REACH Annex XIII

Component

1-Propanaminium, 3-amino-N-(carboxymethyl)-N,Ndimethyl-, N-C8-18(even numbered) acyl derivs., hydroxides, inner salts (97862-59-4)

This substance/mixture does not meet the PBT criteria of REACH regulation, annex XIII
This substance/mixture does not meet the vPvB criteria of REACH regulation, annex XIII

The mixture does not contain substance(s) included in the list established in accordance with Article 59(1) of REACH for having endocrine disrupting properties, or is not identified as having endocrine disrupting properties in accordance with the criteria set out in Commission Delegated Regulation (EU) 2017/2100 or Commission Regulation (EU) 2018/605 at a concentration equal to or greater than 0,1 %

Component

1-Propanaminium, 3-amino-N-(carboxymethyl)-N,Ndimethyl-, N-C8-18(even numbered) acyl derivs., hydroxides, inner salts(97862-59-4)

The substance is not included in the list established in accordance with Article 59(1) of REACH for having endocrine disrupting properties, or is not identified as having endocrine disrupting properties in accordance with the criteria set out in Commission Delegated Regulation (EU) 2017/2100 or Commission Regulation (EU) 2018/605

SECTION 3: Composition/information on ingredients

3.1. Substances

Not applicable

3.2. Mixtures

| Name | Product identifier | % | Classification according to Regulation (EC) No. 1272/2008 [CLP] |
|---|--|--------|---|
| 1-Propanaminium, 3-amino-N-(carboxymethyl)-N,Ndimethyl-, N-C8-18(even numbered) acyl derivs., hydroxides, inner salts | CAS-No.: 97862-59-4 EC-No.: 931-296-8 REACH-no: 01-2119488533-30 | 20-30% | Eye Dam. 1, H318 Aquatic Chronic 3, H412 |

Full text of H- and EUH-statements: see section 16

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SECTION 4: First aid measures

4.1. Description of first aid measures

| | |
|---------------------------------------|---|
| First-aid measures general | : Get medical advice/attention if you feel unwell. |
| First-aid measures after inhalation | : Remove person to fresh air and keep comfortable for breathing. |
| First-aid measures after skin contact | : Wash skin with plenty of water. If skin irritation occurs: Get medical advice/attention. |
| First-aid measures after eye contact | : Rinse cautiously with water for several minutes. If eye irritation persists: Get medical advice/attention. |
| First-aid measures after ingestion | : Rinse mouth out with water. Drink plenty of water. Do NOT induce vomiting. Call a poison center or a doctor if you feel unwell. |

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

| | |
|-------------------------------------|---|
| Symptoms/effects after skin contact | : May cause slight irritation to the skin. |
| Symptoms/effects after eye contact | : Causes serious eye damage. Causes serious eye irritation. |

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 : Water spray. Dry powder. Foam. Carbon dioxide. Unsuitable extinguishing media : Do not use a heavy water stream.

5.2. Special hazards arising from the substance or mixture

Hazardous decomposition products in case of fire : Toxic fumes may be released. Carbon dioxide. Carbon monoxide. Nitrogen oxides (NOx) (as NO2).

5.3. Advice for firefighters

Protection during firefighting : Do not attempt to take action without suitable protective equipment. Self-contained breathing apparatus. Complete protective clothing.

SECTION 6: Accidental release measures

6.1. Personal precautions, protective equipment and emergency procedures

General measures : If spilled, may cause the floor to be slippery.

6.1.1. For non-emergency personnel

Emergency procedures : Ventilate spillage area. Do not breathe vapours. Avoid contact with skin and eyes.

6.1.2. For emergency responders

Protective equipment : Do not attempt to take action without suitable protective equipment. For further information refer to section 8: "Exposure controls/personal protection".

6.2. Environmental precautions

Do not allow to enter drains or water courses.

6.3. Methods and material for containment and cleaning up

For containment : Collect spillage.
Methods for cleaning up : Absorb spilled material with sand or earth. Clean contaminated surfaces with an excess of water.

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Other information : Dispose of materials or solid residues at an authorized site.

6.4. Reference to other sections

For further information refer to section 13.

SECTION 7: Handling and storage

7.1. Precautions for safe handling

Precautions for safe handling : Ensure good ventilation of the work station. Do not breathe vapours, mist. Avoid contact with skin and eyes. Wear personal protective equipment.

Hygiene measures : Do not eat, drink or smoke when using this product. Always wash hands after handling the product.

7.2. Conditions for safe storage, including any incompatibilities

Storage conditions : Store in a well-ventilated place. Keep cool. Protect from sunlight. Protect from freezing.

Storage temperature : > 5 °C

Packaging materials : Store in original container or corrosive resistant and/or lined container. CONTAINS. Sodium chloride.

7.3. Specific end use(s)

No additional information available

SECTION 8: Exposure controls/personal protection

8.1. Control parameters

8.1.1 National occupational exposure and biological limit values

No additional information available

8.1.2. Recommended monitoring procedures

No additional information available

8.1.3. Air contaminants formed

No additional information available

8.1.4. DNEL and PNEC

1-Propanaminium, 3-amino-N-(carboxymethyl)-N,N-dimethyl-, N-C8-18(even numbered) acyl derivs., hydroxides, inner salts (97862-59-4)

DNEL/DMEL (Workers)

| | |
|--|---------------------------|
| Long-term - systemic effects, dermal | 12.5 mg/kg bodyweight/day |
| Long-term - systemic effects, inhalation | 44 mg/m ³ |

DNEL/DMEL (General population)

| | |
|--|--------------------------|
| Long-term - systemic effects,oral | 7.5 mg/kg bodyweight/day |
| Long-term - systemic effects, inhalation | 13.04 mg/m ³ |

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| | |
|--------------------------------------|--------------------------|
| Long-term - systemic effects, dermal | 7.5 mg/kg bodyweight/day |
| PNEC (Water) | |
| PNEC aqua (freshwater) | 0.0135 mg/l |
| PNEC aqua (marine water) | 0.00135 mg/l |
| PNEC (Sediment) | |
| PNEC sediment (freshwater) | 11.1 mg/kg dwt |
| PNEC sediment (marine water) | 1.11 mg/kg dwt |
| PNEC (Soil) | |
| PNEC soil | 0.85 mg/kg dwt |
| PNEC (STP) | |
| PNEC sewage treatment plant | 3000 mg/l |

8.1.5. Control banding

No additional information available

8.2. Exposure controls

8.2.1. Appropriate engineering controls

Appropriate engineering controls:

Ensure good ventilation of the work station.

8.2.2. Personal protection equipment

Personal protective equipment symbol(s):



8.2.2.1. Eye and face protection

Eye protection:

Safety glasses

8.2.2.2. Skin protection

Skin and body protection:

Wear suitable protective clothing

Hand protection:

Protective gloves

| Hand protection | | | | | |
|-----------------|----------|------------|----------------|-------------|----------|
| Type | Material | Permeation | Thickness (mm) | Penetration | Standard |

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| | | | | | |
|--|--|-------------------|------------|--|--|
| | Latex | 6 (> 480 minutes) | 0.5-1.0 mm | | |
| | Chloroprene rubber (CR), Neoprene rubber (HNBR) | 6 (> 480 minutes) | 0.6 mm | | |
| | Nitrile rubber (NBR) | 6 (> 480 minutes) | 0.4 mm | | |
| | Butyl rubber | 6 (> 480 minutes) | 0.3 mm | | |

8.2.2.3. Respiratory protection

Respiratory protection:

In case of insufficient ventilation, wear suitable respiratory equipment

8.2.2.4. Thermal hazards

No additional information available

8.2.3. Environmental exposure controls

Environmental exposure controls: Avoid release to the environment.

SECTION 9: Physical and chemical properties

9.1. Information on basic physical and chemical properties

| | |
|---------------------------|---|
| Physical state | : Liquid |
| Colour | : Yellow. |
| Appearance | : Liquid. |
| Odour | : slight. (typical). |
| Odour threshold | : Not available |
| Melting point | : Not available |
| Freezing point | : ≈ 0 |
| Boiling point | : ≈ 100 °C |
| Flammability | : Non flammable. |
| Oxidising properties | : the substance does not contain a chemical moiety suggesting an oxidising potential. |
| Lower explosion limit | : Not available |
| Upper explosion limit | : Not available |
| Flash point | : > 200 °C |
| Auto-ignition temperature | : Not available |
| Decomposition temperature | : Not available |
| pH | : 4.5 – 5.5 at 20 °C |

| | |
|---|---------------------------------------|
| Viscosity, kinematic | : ≈ 47.619 mm ² /s |
| Viscosity, dynamic | : ≈ 50 mPa·s at 20 °C |
| Solubility | : Soluble in water. |
| Partition coefficient n-octanol/water (Log Kow) | : Not available |
| Vapour pressure | : Not available |
| Vapour pressure at 50°C | : Not available |
| Density | : 1.05 g/cm ³ at 20 °C |
| Relative density | : Not available |
| Relative vapour density at 20°C | : Not available |
| Particle characteristics | : Not applicable |

9.2. Other information

9.2.1. Information with regard to physical hazard classes

No additional information available

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9.2.2. Other safety characteristics

No additional information available

SECTION 10: Stability and reactivity

10.1. Reactivity

The product is non-reactive under normal conditions of use, storage and transport.

10.2. Chemical stability

Stable under normal conditions.

10.3. Possibility of hazardous reactions

No dangerous reactions known under normal conditions of use.

10.4. Conditions to avoid

None under recommended storage and handling conditions (see section 7).

10.5. Incompatible materials

Strong acids, strong oxidants. Strong alkalis.

10.6. Hazardous decomposition products

Carbon dioxide. Carbon monoxide. Nitrogen oxides (NO_x) (as NO₂).

SECTION 11: Toxicological information

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

| | |
|-----------------------------------|--|
| Acute toxicity (oral) | : Not classified |
| Acute toxicity (dermal) | : Not classified |
| Acute toxicity (inhalation) | : Not classified |
| Skin corrosion/irritation | : Not classified pH: 4.5 – 5.5 at 20 °C |
| | : Causes serious eye damage. pH: 4.5 – 5.5 at 20 °C |
| Serious eye damage/irritation | : Not classified |
| Respiratory or skin sensitisation | : Not classified |
| Germ cell mutagenicity | : Not classified |
| Carcinogenicity | : Not classified |
| Reproductive toxicity | : Not classified |
| STOT-single exposure | |
| STOT-repeated exposure | : Not classified |

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1-Propanaminium, 3-amino-N-(carboxymethyl)-N,N-dimethyl-, N-C8-18(even numbered) acyl derivs., hydroxides, inner salts (97862-59-4)

NOEL, oral, gavage, rat, male, female 300 mg/kg ((OECD 408 method))

NOEL, oral, in feed, rat, male, female 247 mg/kg ((OECD 408 method))

Aspiration hazard : Not classified

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Viscosity, kinematic $\approx 47.619 \text{ mm}^2/\text{s}$

11.2. Information on other hazards

No additional information available

SECTION 12: Ecological information

12.1. Toxicity

Hazardous to the aquatic environment, short-term : Not classified
(acute)

Hazardous to the aquatic environment, long-term : Harmful to aquatic life with long lasting effects. (chronic)

1-Propanaminium, 3-amino-N-(carboxymethyl)-N,N-dimethyl-, N-C8-18(even numbered) acyl derivs., hydroxides, inner salts (97862-59-4)

LC50 - Fish [1] 1.11 mg/l

LC50 - Fish [2] 49.4 mg/l Test organisms (species): Danio rerio (previous name: Brachydanio rerio)

EC50 - Crustacea [1] 6.5 mg/l Test organisms (species): Daphnia magna

EC50 - Crustacea [2] 124 mg/l Test organisms (species): Daphnia magna

EC50 - Other aquatic organisms [1] 6.5 mg/l waterflea

EC50 - Other aquatic organisms [2] 1.5 mg/l

EC50 72h - Algae [1] 1.5 mg/l Desmodesmus subspicatus

LOEC (chronic) 0.56 mg/l Daphnia magna (Water flea)

NOEC chronic fish 0.135 mg/l Oncorhynchus mykiss (Rainbow trout)

NOEC chronic crustacea 0.32 mg/l Daphnia magna (Water flea)

EC0, acute, Pseudomonas putida 3000 mg/l

12.2. Persistence and degradability

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Persistence and degradability
The surfactant(s) contained in this preparation complies(comply) with the biodegradability criteria as laid down in Regulation (EC) No.648/2004 on detergents. Data to support this assertion are held at the disposal of the competent authorities of the Member States and will be made available to them, at their direct request or at the request of a detergent manufacturer.

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1-Propanaminium, 3-amino-N-(carboxymethyl)-N,N-dimethyl-, N-C8-18(even numbered) acyl derivs., hydroxides, inner salts (97862-59-4)

| | |
|--------------------------------|-------------------------------------|
| Persistence and degradability | Readily biodegradable. |
| Readily biodegradable, aerobic | 92% (28d, OECD Test Guideline 301B) |
| Biodegradation, anaerobic | 80-90% (60d, (OECD 311 method)) |

12.3. Bioaccumulative potential

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| | |
|---------------------------|---------------------------|
| Bioaccumulative potential | Bioaccumulation unlikely. |
|---------------------------|---------------------------|

1-Propanaminium, 3-amino-N-(carboxymethyl)-N,N-dimethyl-, N-C8-18(even numbered) acyl derivs., hydroxides, inner salts (97862-59-4)

| | |
|---|--------------------------------|
| Bioconcentration factor (BCF REACH) | < 71 |
| Partition coefficient n-octanol/water (Log Kow) | 4.23 |
| Bioaccumulative potential | Low bioaccumulation potential. |

12.4. Mobility in soil

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| | |
|------------------|------------------|
| Mobility in soil | soluble in water |
|------------------|------------------|

1-Propanaminium, 3-amino-N-(carboxymethyl)-N,N-dimethyl-, N-C8-18(even numbered) acyl derivs., hydroxides, inner salts (97862-59-4)

| | |
|--|-----------|
| Organic Carbon Normalized Adsorption Coefficient (Log Koc) | 8191 l/kg |
|--|-----------|

12.5. Results of PBT and vPvB assessment

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This substance/mixture does not meet the PBT criteria of REACH regulation, annex XIII

This substance/mixture does not meet the vPvB criteria of REACH regulation, annex XIII

Component

| | |
|--|---|
| 1-Propanaminium, 3-amino-N-(carboxymethyl)-N,Ndimethyl-, N-C8-18(even numbered) acyl derivs., hydroxides, inner salts (97862-59-4) | This substance/mixture does not meet the PBT criteria of REACH regulation, annex XIII This substance/mixture does not meet the vPvB criteria of REACH regulation, annex XIII |
|--|---|

12.6. Endocrine disrupting properties

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Adverse effects on the environment caused by endocrine disrupting properties :

The mixture does not contain substance(s) included in the list established in accordance with Article 59(1) of REACH for having endocrine disrupting properties, or is not identified as having endocrine disrupting properties in accordance with the criteria set out in Commission Delegated Regulation (EU) 2017/2100 or Commission Regulation (EU) 2018/605 at a concentration equal to or greater than 0,1 %.

12.7. Other adverse effects

No additional information available

SECTION 13: Disposal considerations

13.1. Waste treatment methods

Waste treatment methods :

Dispose of contents/container in accordance with licensed collector's sorting instructions.

Product/Packaging disposal recommendations :

Recycle following cleaning.

HP Code :

HP4 - "Irritant – skin irritation and eye damage:" waste which on application can cause skin irritation or damage to the eye.

HP14 - "Ecotoxic:" waste which presents or may present immediate or delayed risks for one or more sectors of the environment

SECTION 14: Transport information

In accordance with ADR / IMDG / IATA / ADN / RID

| ADR | IMDG | IATA | ADN | RID |
|---|---------------|---------------|---------------|---------------|
| 14.1. UN number or ID number | | | | |
| Not regulated for transport | | | | |
| Not regulated | Not regulated | Not regulated | Not regulated | Not regulated |
| 14.2. UN proper shipping name | | | | |
| Not regulated | Not regulated | Not regulated | Not regulated | Not regulated |
| 14.3. Transport hazard class(es) | | | | |
| Not regulated | Not regulated | Not regulated | Not regulated | Not regulated |
| 14.4. Packing group | | | | |
| Not regulated | Not regulated | Not regulated | Not regulated | Not regulated |
| 14.5. Environmental hazards | | | | |
| Not regulated | Not regulated | Not regulated | Not regulated | Not regulated |
| No supplementary information available | | | | |

14.6. Special precautions for user

Overland transport

Not regulated

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Transport by sea

Not regulated

Air transport

Not regulated

Inland waterway transport

Not regulated

Rail transport

Not regulated

14.7. Maritime transport in bulk according to IMO instruments

Not applicable

SECTION 15: Regulatory information

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

15.1.1. EU-Regulations

REACH Annex XVII (Restriction List)

Contains no substance(s) listed on REACH Annex XVII (Restriction Conditions)

REACH Annex XIV (Authorisation List)

Contains no substance(s) listed on REACH Annex XIV (Authorisation List)

REACH Candidate List (SVHC)

Contains no substance(s) listed on the REACH Candidate List

PIC Regulation (Prior Informed Consent)

Contains no substance(s) listed on the PIC list (Regulation EU 649/2012 concerning the export and import of hazardous chemicals)

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POP Regulation (Persistent Organic Pollutants)

Contains no substance(s) listed on the POP list (Regulation EU 2019/1021 on persistent organic pollutants)

Ozone Regulation (1005/2009)

Contains no substance(s) listed on the Ozone Depletion list (Regulation EU 1005/2009 on substances that deplete the ozone layer)

Detergent Regulation (648/2004)

Labelling of contents

| Component | % |
|------------------------|--------|
| amphoteric surfactants | 15-30% |

Explosives Precursors Regulation (2019/1148)

Contains no substance(s) listed on the Explosives Precursors list (Regulation EU 2019/1148 on the marketing and use of explosives precursors)

Drug Precursors Regulation (273/2004)

Contains no substance(s) listed on the Drug Precursors list (Regulation EC 273/2004 on the manufacture and the placing on market of certain substances used in the illicit manufacture of narcotic drugs and psychotropic substances)

15.1.2. National regulations

Listed on IECSC (Inventory of Existing Chemical Substances Produced or Imported in China) Listed on NZIoC (New Zealand Inventory of Chemicals)

Germany

| | | | | |
|----------|---------|----------|----------|-----------|
| LGK 1 | LGK 2A | LGK 2B | LGK 3 | LGK 4.1A |
| LGK 4.1B | LGK 4.2 | LGK 4.3 | LGK 5.1A | LGK 5.1B |
| LGK 5.1C | LGK 5.2 | LGK 6.1A | LGK 6.1B | LGK 6.1C |
| LGK 6.1D | LGK 6.2 | LGK 7 | LGK 8A | LGK 8B |
| LGK 10 | LGK 11 | LGK 12 | LGK 13 | LGK 10-13 |

Water hazard class (WGK)
Storage class (LGK, TRGS 510)
Joint storage table

: WGK 1, Slightly hazardous to water (Classification according to AwSV, Annex 1).
: LGK 12 - Non-combustible liquids.
:

Joint storage not permitted for
Joint storage with restrictions permitted for
Joint storage permitted for

: LGK 1, LGK 6.2, LGK 7.
: LGK 4.1A, LGK 4.3, LGK 5.1C.
: LGK 2A, LGK 2B, LGK 3, LGK 4.1B, LGK 4.2, LGK 5.1A, LGK 5.1B, LGK 5.2, LGK 6.1A, LGK 6.1B, LGK 6.1C, LGK 6.1D, LGK 8A, LGK 8B, LGK 10, LGK 11, LGK 12, LGK 13, LGK 10-13.

Hazardous Incident Ordinance (12. BImSchV)

: Is not subject of the Hazardous Incident Ordinance (12. BImSchV)

15.2. Chemical safety assessment

No chemical safety assessment has been carried out

SECTION 16: Other information

Abbreviations and acronyms:

| | |
|-----|---|
| ADN | European Agreement concerning the International Carriage of Dangerous Goods by Inland Waterways |
| ADR | European Agreement concerning the International Carriage of Dangerous Goods by Road |

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| | |
|------------------------------------|--|
| ATE | Acute Toxicity Estimate |
| BCF | Bioconcentration factor |
| BLV | Biological limit value |
| BOD | Biochemical oxygen demand (BOD) |
| COD | Chemical oxygen demand (COD) |
| DMEL | Derived Minimal Effect level |
| DNEL | Derived-No Effect Level |
| Abbreviations and acronyms: | |
| EC-No. | European Community number |
| EC50 | Median effective concentration |
| EN | European Standard |
| IARC | International Agency for Research on Cancer |
| IATA | International Air Transport Association |
| IMDG | International Maritime Dangerous Goods |
| LC50 | Median lethal concentration |
| LD50 | Median lethal dose |
| LOAEL | Lowest Observed Adverse Effect Level |
| NOAEC | No-Observed Adverse Effect Concentration |
| NOAEL | No-Observed Adverse Effect Level |
| NOEC | No-Observed Effect Concentration |
| OECD | Organisation for Economic Co-operation and Development |
| OEL | Occupational Exposure Limit |
| PBT | Persistent Bioaccumulative Toxic |
| PNEC | Predicted No-Effect Concentration |
| RID | Regulations concerning the International Carriage of Dangerous Goods by Rail |
| SDS | Safety Data Sheet |
| STP | Sewage treatment plant |
| ThOD | Theoretical oxygen demand (ThOD) |
| TLM | Median Tolerance Limit |
| VOC | Volatile Organic Compounds |

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| | |
|---------|--|
| CAS-No. | Chemical Abstract Service number |
| N.O.S. | Not Otherwise Specified |
| vPvB | Very Persistent and Very Bioaccumulative |
| ED | Endocrine disrupting properties |

Full text of H- and EUH-statements:

| | |
|-------------------|---|
| Aquatic Chronic 3 | Hazardous to the aquatic environment – Chronic Hazard, Category 3 |
| Eye Dam. 1 | Serious eye damage/eye irritation, Category 1 |
| H318 | Causes serious eye damage. |
| H412 | Harmful to aquatic life with long lasting effects. |

The classification complies with : ATP 12

Safety Data Sheet (SDS), EU

This information is based on our current knowledge and is intended to describe the product for the purposes of health, safety and environmental requirements only. It should not therefore be construed as guaranteeing any specific property of the product.