



MARKER PAINT

Safety Data Sheet

according to the REACH Regulation (EC) 1907/2006 amended by Regulation (EU) 2020/878
Issue date: 02/01/2024 Revision date: 29/11/2023 Supersedes version of: 25/01/2023 Version: 3.1

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

1.1. Product identifier

Product name : MARKER PAINT
UFI : MCDY-G818-S002-MUNH
Product code : BDS001595AE
Vaporizer : Aerosol

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

1.2.1. Relevant identified uses

Main use category : Professional use
Use of the substance/mixture : Paints

1.2.2. Uses advised against

No additional information available

1.3. Details of the supplier of the safety data sheet

Supplier

CRC Industries Europe B.V.
Touwslagerstraat 1
9240 Zele
Belgium
T +32(0)52/45.60.11, F +32(0)52/45.00.34
hse@crcind.com, www.crcind.com

1.4. Emergency telephone number

Emergency number : +32(0)52/45.60.11
Office hours: 9-17h CET

| Country | Organisation/Company | Address | Emergency number | Comment |
|---------|--|------------------------------|------------------|--|
| Belgium | Centre Anti-Poisons/Antigifcentrum c/o Hôpital Militaire Reine Astrid | Rue Bruyn 1 1120 Brussels | +32 70 245 245 | Please dial: 070 245 245 for any urgent questions about intoxication (free of charge 24/7), if not accessible, dial: 02 264 96 30 (standard fee) |

SECTION 2: Hazards identification

2.1. Classification of the substance or mixture

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

Aerosol, Category 1 H222;H229
Serious eye damage/eye irritation, Category 2 H319
Specific target organ toxicity – Single exposure, Category 3, H336
Narcosis
Full text of H- and EUH-statements: see section 16

Adverse physicochemical, human health and environmental effects

Pressurised container: May burst if heated. Extremely flammable aerosol. May cause drowsiness or dizziness. Causes serious eye irritation.

MARKER PAINT

Safety Data Sheet

according to the REACH Regulation (EC) 1907/2006 amended by Regulation (EU) 2020/878

2.2. Label elements

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

Hazard pictograms (CLP)



GHS02

GHS07

Signal word (CLP)

: Danger

Contains

: n-butyl acetate; ethyl acetate; 2-methoxy-1-methylethyl acetate

Hazard statements (CLP)

: H222 - Extremely flammable aerosol.

H229 - Pressurised container: May burst if heated.

H319 - Causes serious eye irritation.

H336 - May cause drowsiness or dizziness.

Precautionary statements (CLP)

: P102 - Keep out of reach of children.

P210 - Keep away from heat, hot surfaces, sparks, open flames and other ignition sources.

No smoking.

P211 - Do not spray on an open flame or other ignition source.

P251 - Do not pierce or burn, even after use.

P261 - Avoid breathing vapours/spray.

P280 - Wear protective gloves/protective clothing/eye protection/face protection.

P410+P412 - Protect from sunlight. Do not expose to temperatures exceeding 50 °C.

P501 - Dispose of contents/container to a hazardous or special waste collection point, in accordance with local, regional, national and/or international regulation.

EUH-statements

: EUH211 - Warning! Hazardous respirable droplets may be formed when sprayed. Do not breathe spray or mist.

EUH066 - Repeated exposure may cause skin dryness or cracking.

EUH208 - Contains reaction mass of: N, N'-Ethane-1,2-diybis(decaneamide); 12-Hydroxy-N-[2-[1-oxydecyl)amino]ethyl]octadecanamide; N, N'-Ethane-1,2-diybis(12hydroxyoctadecanamide). May produce an allergic reaction.

2.3. Other hazards

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

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] |
|--|--|----------|---|
| dimethyl ether substance with national workplace exposure limit(s) (BE); substance with a Community workplace exposure limit | CAS-No.: 115-10-6 EC-No.: 204-065-8 EC Index-No.: 603-019-00-8 REACH-no: 01-2119472128-37 | 30 - <50 | Flam. Gas 1, H220 Press. Gas (Liq.), H280 |
| n-butyl acetate substance with national workplace exposure limit(s) (BE); substance with a Community workplace exposure limit | CAS-No.: 123-86-4 EC-No.: 204-658-1 EC Index-No.: 607-025-00-1 REACH-no: 01-2119485493-29 | 10 - <20 | Flam. Liq. 3, H226 STOT SE 3, H336 EUH066 |

MARKER PAINT

Safety Data Sheet

according to the REACH Regulation (EC) 1907/2006 amended by Regulation (EU) 2020/878

| Name | Product identifier | % | Classification according to Regulation (EC) No. 1272/2008 [CLP] |
|---|--|----------|---|
| ethyl acetate substance with national workplace exposure limit(s) (BE); substance with a Community workplace exposure limit | CAS-No.: 141-78-6 EC-No.: 205-500-4 EC Index-No.: 607-022-00-5 REACH-no: 01-2119475103-46 | 10 - <20 | Flam. Liq. 2, H225 Eye Irrit. 2, H319 STOT SE 3, H336 EUH066 |
| titanium dioxide; [in powder form containing 1 % or more of particles with aerodynamic diameter ≤ 10 µm] (Note 10) | CAS-No.: 13463-67-7 EC-No.: 236-675-5 EC Index-No.: 022-006-00-2 REACH-no: 01-2119489379-17 | < 15 | Carc. 2, H351 |
| reaction mass of ethylbenzene and m-xylene and p-xylene | EC-No.: 905-562-9 REACH-no: 01-2119488216-32 | 0,3 - <1 | Flam. Liq. 3, H226 Acute Tox. 4 (Dermal), H312 (ATE=1100 mg/kg bodyweight) Acute Tox. 4 (Inhalation:dust,mist), H332 (ATE=1,5 mg/l/4h) Skin Irrit. 2, H315 Eye Irrit. 2, H319 STOT SE 3, H335 STOT RE 2, H373 Asp. Tox. 1, H304 Aquatic Chronic 3, H412 |
| 2-methoxy-1-methylethyl acetate substance with national workplace exposure limit(s) (BE); substance with a Community workplace exposure limit | CAS-No.: 108-65-6 EC-No.: 203-603-9 EC Index-No.: 607-195-00-7 REACH-no: 01-2119475791-29 | 1 - <2,5 | Flam. Liq. 3, H226 STOT SE 3, H336 |
| reaction mass of: N, N'-Ethane-1,2-diylbis(decanamide); 12-Hydroxy-N-[2-[1-oxydecyl]amino]ethyl]octadecanamide; N, N'-Ethane-1,2-diylbis(12hydroxyoctadecanamide) | EC-No.: 430-050-2 EC Index-No.: 616-127-00-5 REACH-no: 01-2120789217-43 | 0,3 - <1 | Skin Sens. 1, H317 Aquatic Chronic 2, H411 |

Note 10: The classification as a carcinogen by inhalation applies only to mixtures in powder form containing 1 % or more of titanium dioxide which is in the form of or incorporated in particles with aerodynamic diameter ≤ 10 µm.

Product subject to CLP Article 1.1.3.7. The disclosure rules of the components is modified in this case.

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

SECTION 4: First aid measures

4.1. Description of first aid measures

| | |
|---------------------------------------|---|
| First-aid measures general | : Call a poison center or a doctor if you feel unwell. Ensure that medical personnel are aware of the material(s) involved, and take precautions to protect themselves. |
| First-aid measures after inhalation | : Remove person to fresh air and keep comfortable for breathing. If signs/symptoms develop, get medical attention. |
| First-aid measures after skin contact | : Wash skin with plenty of water. Seek medical attention if irritation develops. |
| First-aid measures after eye contact | : Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. If eye irritation persists: Get medical advice/attention. Seek medical attention if irritation develops. |
| First-aid measures after ingestion | : Call a poison center or a doctor if you feel unwell. |

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

| | |
|-------------------------------------|---|
| Symptoms/effects | : May cause drowsiness or dizziness. |
| Symptoms/effects after skin contact | : Repeated exposure may cause skin dryness or cracking. |
| Symptoms/effects after eye contact | : Eye irritation. |

MARKER PAINT

Safety Data Sheet

according to the REACH Regulation (EC) 1907/2006 amended by Regulation (EU) 2020/878

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

Provide general supportive measures and treat symptomatically. Keep victim under observation. Symptoms may be delayed.

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

Fire hazard : Extremely flammable aerosol.
Explosion hazard : Pressurised container: May burst if heated.
Hazardous decomposition products in case of fire : During fire, gases hazardous to health may be formed.

5.3. Advice for firefighters

Firefighting instructions : Move containers from fire area if it can be done without personal risk. Use standard firefighting procedures and consider the hazards of other involved materials.
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

6.1.1. For non-emergency personnel

Protective equipment : Wear appropriate protective equipment and clothing during clean-up.
Emergency procedures : Ventilate spillage area. No open flames, no sparks, and no smoking. Avoid breathing dust/fume/gas/mist/vapours/spray. 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".
Emergency procedures : Evacuate unnecessary personnel. Ventilate area.

6.2. Environmental precautions

Avoid release to the environment. Avoid the spillage or runoff entering drains, sewers or watercourses.

6.3. Methods and material for containment and cleaning up

Methods for cleaning up : Mechanically recover the product. For large spills, confine the spill in a dike and charge it with wet sand or earth for subsequent safe disposal. Following product recovery, flush area with water. Take up small spills with dry chemical absorbent. Clean surface thoroughly to remove residual contamination.
Other information : Dispose of materials or solid residues at an authorized site.

6.4. Reference to other sections

For disposal of contaminated materials refer to section 13 : "Disposal considerations".

SECTION 7: Handling and storage

7.1. Precautions for safe handling

Precautions for safe handling : Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking. Do not spray on an open flame or other ignition source. Do not pierce or burn, even after use. Use only outdoors or in a well-ventilated area. Avoid breathing dust/fume/gas/mist/vapours/spray. Avoid contact with skin and eyes. Wear personal protective equipment. Avoid prolonged exposure. Handle in accordance with good industrial hygiene and safety procedures.

MARKER PAINT

Safety Data Sheet

according to the REACH Regulation (EC) 1907/2006 amended by Regulation (EU) 2020/878

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 : Protect from sunlight. Do not expose to temperatures exceeding 50 °C/ 122 °F. Store locked up. Store in a well-ventilated place. Keep container tightly closed. Store in a well-ventilated place. Keep cool. Keep container closed when not in use.

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

| dimethyl ether (115-10-6) | |
|---|--|
| EU - Indicative Occupational Exposure Limit (IOEL) | |
| Local name | Dimethylether |
| IOEL TWA | 1920 mg/m ³ |
| | 1000 ppm |
| Regulatory reference | COMMISSION DIRECTIVE 2000/39/EC |
| Belgium - Occupational Exposure Limits | |
| Local name | Oxyde de diméthyle # Dimethylether |
| OEL TWA | 1920 mg/m ³ |
| | 1000 ppm |
| Regulatory reference | Koninklijk besluit/Arrêté royal 11/05/2021 |
| n-butyl acetate (123-86-4) | |
| EU - Indicative Occupational Exposure Limit (IOEL) | |
| Local name | n-Butyl acetate |
| IOEL TWA | 241 mg/m ³ |
| | 50 ppm |
| IOEL STEL | 723 mg/m ³ |
| | 150 ppm |
| Regulatory reference | COMMISSION DIRECTIVE (EU) 2019/1831 |
| Belgium - Occupational Exposure Limits | |
| Local name | Acétate de n-butyle # n-Butylacetaat |
| OEL TWA | 238 mg/m ³ |
| | 50 ppm |
| OEL STEL | 712 mg/m ³ |
| | 150 ppm |
| Regulatory reference | Koninklijk besluit/Arrêté royal 11/05/2021 |

MARKER PAINT

Safety Data Sheet

according to the REACH Regulation (EC) 1907/2006 amended by Regulation (EU) 2020/878

| ethyl acetate (141-78-6) | |
|---|--|
| EU - Indicative Occupational Exposure Limit (IOEL) | |
| Local name | Ethyl acetate |
| IOEL TWA | 734 mg/m ³ |
| | 200 ppm |
| IOEL STEL | 1468 mg/m ³ |
| | 400 ppm |
| Regulatory reference | COMMISSION DIRECTIVE (EU) 2017/164 |
| Belgium - Occupational Exposure Limits | |
| Local name | Acétate d'éthyle # Ethylacetaat |
| OEL TWA | 734 mg/m ³ |
| | 200 ppm |
| OEL STEL | 1468 mg/m ³ |
| | 400 ppm |
| Regulatory reference | Koninklijk besluit/Arrêté royal 11/05/2021 |
| 2-methoxy-1-methylethyl acetate (108-65-6) | |
| EU - Indicative Occupational Exposure Limit (IOEL) | |
| Local name | 2-Methoxy-1-methylethylacetate |
| IOEL TWA | 275 mg/m ³ |
| | 50 ppm |
| IOEL STEL | 550 mg/m ³ |
| | 100 ppm |
| Remark | Skin |
| Regulatory reference | COMMISSION DIRECTIVE 2000/39/EC |
| Belgium - Occupational Exposure Limits | |
| Local name | Acétate de 2-(1-méthoxy)propyle # 2-(1-Methoxy)propylacetaat |
| OEL TWA | 275 mg/m ³ |
| | 50 ppm |
| OEL STEL | 550 mg/m ³ |
| | 100 ppm |
| Remark | D: la mention "D" signifie que la résorption de l'agent, via la peau, les muqueuses ou les yeux, constitue une partie importante de l'exposition totale. Cette résorption peut se faire tant par contact direct que par présence de l'agent dans l'air. # D: de vermelding "D" betekent dat de opname van het agens via de huid, de slijmvliezen of de ogen een belangrijk deel van de totale blootstelling vormt. Deze opname kan het gevolg zijn van zowel direct contact als zijn aanwezigheid in de lucht. |
| Regulatory reference | Koninklijk besluit/Arrêté royal 11/05/2021 |

8.1.2. Recommended monitoring procedures

No additional information available

8.1.3. Air contaminants formed

No additional information available

MARKER PAINT

Safety Data Sheet

according to the REACH Regulation (EC) 1907/2006 amended by Regulation (EU) 2020/878

8.1.4. DNEL and PNEC

| dimethyl ether (115-10-6) | |
|--|--------------------------|
| DNEL/DMEL (Workers) | |
| Long-term - systemic effects, inhalation | 1894 mg/m ³ |
| DNEL/DMEL (General population) | |
| Long-term - systemic effects, inhalation | 471 mg/m ³ |
| PNEC (Water) | |
| PNEC aqua (freshwater) | 0,155 mg/l |
| PNEC aqua (marine water) | 0,016 mg/l |
| PNEC aqua (intermittent, freshwater) | 1549 mg/l |
| PNEC (Sediment) | |
| PNEC sediment (freshwater) | 0,681 mg/kg dwt |
| PNEC sediment (marine water) | 0,069 mg/kg dwt |
| PNEC (Soil) | |
| PNEC soil | 0,045 mg/kg dwt |
| PNEC (STP) | |
| PNEC sewage treatment plant | 160 mg/l |
| n-butyl acetate (123-86-4) | |
| PNEC (Water) | |
| PNEC aqua (freshwater) | 0,18 mg/l |
| PNEC aqua (marine water) | 0,018 mg/l |
| PNEC aqua (intermittent, freshwater) | 0,36 mg/l |
| PNEC (Sediment) | |
| PNEC sediment (freshwater) | 0,981 mg/kg dwt |
| PNEC sediment (marine water) | 0,0981 mg/kg dwt |
| PNEC (Soil) | |
| PNEC soil | 0,0903 mg/kg dwt |
| PNEC (STP) | |
| PNEC sewage treatment plant | 35,6 mg/l |
| ethyl acetate (141-78-6) | |
| DNEL/DMEL (Workers) | |
| Acute - systemic effects, inhalation | 1468 mg/m ³ |
| Acute - local effects, inhalation | 1468 mg/m ³ |
| Long-term - systemic effects, dermal | 63 mg/kg bodyweight/day |
| Long-term - systemic effects, inhalation | 734 mg/m ³ |
| Long-term - local effects, inhalation | 734 mg/m ³ |
| DNEL/DMEL (General population) | |
| Acute - systemic effects, inhalation | 734 mg/m ³ |
| Acute - local effects, inhalation | 734 mg/m ³ |
| Long-term - systemic effects, oral | 4,5 mg/kg bodyweight/day |

MARKER PAINT

Safety Data Sheet

according to the REACH Regulation (EC) 1907/2006 amended by Regulation (EU) 2020/878

| ethyl acetate (141-78-6) | |
|---|--------------------------|
| Long-term - systemic effects, inhalation | 367 mg/m ³ |
| Long-term - systemic effects, dermal | 37 mg/kg bodyweight/day |
| Long-term - local effects, inhalation | 367 mg/m ³ |
| PNEC (Water) | |
| PNEC aqua (freshwater) | 0,24 mg/l |
| PNEC aqua (marine water) | 0,024 mg/l |
| PNEC aqua (intermittent, freshwater) | 1,65 mg/l |
| PNEC (Sediment) | |
| PNEC sediment (freshwater) | 1,15 mg/kg dwt |
| PNEC sediment (marine water) | 0,115 mg/kg dwt |
| PNEC (Soil) | |
| PNEC soil | 0,148 mg/kg dwt |
| PNEC (Oral) | |
| PNEC oral (secondary poisoning) | 0,2 g/kg food |
| PNEC (STP) | |
| PNEC sewage treatment plant | 650 mg/l |
| 2-methoxy-1-methylethyl acetate (108-65-6) | |
| DNEL/DMEL (Workers) | |
| Acute - local effects, inhalation | 550 mg/m ³ |
| Long-term - systemic effects, dermal | 796 mg/kg bodyweight/day |
| Long-term - systemic effects, inhalation | 275 mg/m ³ |
| DNEL/DMEL (General population) | |
| Acute - systemic effects, oral | 500 mg/kg bodyweight/day |
| Long-term - systemic effects,oral | 36 mg/kg bodyweight/day |
| Long-term - systemic effects, inhalation | 33 mg/m ³ |
| Long-term - systemic effects, dermal | 320 mg/kg bodyweight/day |
| Long-term - local effects, inhalation | 33 mg/m ³ |
| PNEC (Water) | |
| PNEC aqua (freshwater) | 0,635 mg/l |
| PNEC aqua (marine water) | 0,0635 mg/l |
| PNEC aqua (intermittent, freshwater) | 6,35 mg/l |
| PNEC (Sediment) | |
| PNEC sediment (freshwater) | 3,29 mg/kg dwt |
| PNEC sediment (marine water) | 0,329 mg/kg dwt |
| PNEC (Soil) | |
| PNEC soil | 0,29 mg/kg dwt |
| PNEC (STP) | |
| PNEC sewage treatment plant | 100 mg/l |

MARKER PAINT

Safety Data Sheet

according to the REACH Regulation (EC) 1907/2006 amended by Regulation (EU) 2020/878

| reaction mass of ethylbenzene and m-xylene and p-xylene | |
|--|---------------------------|
| DNEL/DMEL (Workers) | |
| Acute - systemic effects, inhalation | 442 mg/m ³ |
| Acute - local effects, inhalation | 442 mg/m ³ |
| Long-term - systemic effects, dermal | 212 mg/kg bodyweight/day |
| Long-term - systemic effects, inhalation | 221 mg/m ³ |
| Long-term - local effects, inhalation | 221 mg/m ³ |
| DNEL/DMEL (General population) | |
| Acute - systemic effects, inhalation | 260 mg/m ³ |
| Acute - local effects, inhalation | 260 mg/m ³ |
| Long-term - systemic effects, oral | 12,5 mg/kg bodyweight/day |
| Long-term - systemic effects, inhalation | 65,3 mg/m ³ |
| Long-term - systemic effects, dermal | 125 mg/kg bodyweight/day |
| Long-term - local effects, inhalation | 65,3 mg/m ³ |
| PNEC (Water) | |
| PNEC aqua (freshwater) | 0,327 mg/l |
| PNEC aqua (marine water) | 0,327 mg/l |
| PNEC aqua (intermittent, freshwater) | 0,327 mg/l |
| PNEC (Sediment) | |
| PNEC sediment (freshwater) | 12,46 mg/kg dwt |
| PNEC sediment (marine water) | 12,46 mg/kg dwt |
| PNEC (Soil) | |
| PNEC soil | 2,31 mg/kg dwt |
| PNEC (STP) | |
| PNEC sewage treatment plant | 6,58 mg/l |
| xylene (1330-20-7) | |
| DNEL/DMEL (Workers) | |
| Acute - systemic effects, inhalation | 442 mg/m ³ |
| Acute - local effects, inhalation | 442 mg/m ³ |
| Long-term - systemic effects, dermal | 212 mg/kg bodyweight/day |
| Long-term - systemic effects, inhalation | 221 mg/m ³ |
| Long-term - local effects, inhalation | 221 mg/m ³ |
| DNEL/DMEL (General population) | |
| Acute - systemic effects, inhalation | 260 mg/m ³ |
| Acute - local effects, inhalation | 260 mg/m ³ |
| Long-term - systemic effects, oral | 12,5 mg/kg bodyweight/day |
| Long-term - systemic effects, inhalation | 65,3 mg/m ³ |
| Long-term - systemic effects, dermal | 125 mg/kg bodyweight/day |
| Long-term - local effects, inhalation | 65,3 mg/m ³ |

MARKER PAINT

Safety Data Sheet

according to the REACH Regulation (EC) 1907/2006 amended by Regulation (EU) 2020/878

| xylene (1330-20-7) | |
|--|--------------------------|
| PNEC (Water) | |
| PNEC aqua (freshwater) | 0,327 mg/l |
| PNEC aqua (marine water) | 0,327 mg/l |
| PNEC aqua (intermittent, freshwater) | 0,327 mg/l |
| PNEC (Sediment) | |
| PNEC sediment (freshwater) | 12,46 mg/kg dwt |
| PNEC sediment (marine water) | 12,46 mg/kg dwt |
| PNEC (Soil) | |
| PNEC soil | 2,31 mg/kg dwt |
| PNEC (STP) | |
| PNEC sewage treatment plant | 6,58 mg/l |
| reaction mass of: N, N'-Ethane-1,2-diylbis(decanamide); 12-Hydroxy-N-[2-[1-oxydecyl]amino]ethyl]octadecanamide; N, N'-Ethane-1,2-diylbis(12hydroxyoctadecanamide) | |
| DNEL/DMEL (Workers) | |
| Long-term - systemic effects, dermal | 5 mg/kg bodyweight/day |
| Long-term - systemic effects, inhalation | 17,62 mg/m ³ |
| DNEL/DMEL (General population) | |
| Long-term - systemic effects, oral | 2,5 mg/kg bodyweight/day |
| PNEC (Water) | |
| PNEC aqua (freshwater) | 0,058 µg/l |
| PNEC aqua (marine water) | 0,0058 µg/l |
| PNEC aqua (intermittent, freshwater) | 0,054 µg/l |
| PNEC (Sediment) | |
| PNEC sediment (freshwater) | 1 mg/kg dwt |
| PNEC sediment (marine water) | 0,1 mg/kg dwt |
| PNEC (Soil) | |
| PNEC soil | 1 mg/kg dwt |
| PNEC (Oral) | |
| PNEC oral (secondary poisoning) | 33,3 mg/kg food |
| PNEC (STP) | |
| PNEC sewage treatment plant | 100 mg/l |

8.1.5. Control banding

No additional information available

8.2. Exposure controls

8.2.1. Appropriate engineering controls

Appropriate engineering controls:

Good general ventilation should be used. Ventilation rates should be matched to conditions. If applicable, use process enclosures, local exhaust ventilation, or other engineering controls to maintain airborne levels below recommended exposure limits. If exposure limits have not been established, maintain airborne levels to an acceptable level.

MARKER PAINT

Safety Data Sheet

according to the REACH Regulation (EC) 1907/2006 amended by Regulation (EU) 2020/878

8.2.2. Personal protection equipment

Personal protective equipment symbol(s):



8.2.2.1. Eye and face protection

Eye protection:

Use eye protection according to EN 166. Safety glasses with side shields.

8.2.2.2. Skin protection

Skin and body protection:

Wear suitable protective clothing

Hand protection:

Wear suitable gloves tested to EN374. The breakthrough time of the glove should be longer than the total duration of product use. If work lasts longer than the breakthrough time, gloves should be changed part-way through. Nitrile gloves are recommended. Butyl-rubber protective gloves.

8.2.2.3. Respiratory protection

Respiratory protection:

In case of insufficient ventilation, wear suitable respiratory equipment. Approved organic vapour respirator. Filter type: A

8.2.2.4. Thermal hazards

Thermal hazard protection:

Not expected to present a significant hazard under anticipated conditions of normal use. Wear appropriate thermal protective clothing, when necessary.

8.2.3. Environmental exposure controls

Environmental exposure controls:

Avoid release to the environment. Emissions from ventilation or work process equipment should be checked to ensure they comply with the requirements of environmental protection legislation.

SECTION 9: Physical and chemical properties

9.1. Information on basic physical and chemical properties

| | |
|---|---|
| Physical state | : Liquid |
| Colour | : white. |
| Appearance | : DME propelled liquid. |
| Odour | : characteristic. |
| Odour threshold | : Not available |
| Melting point | : Not applicable |
| Freezing point | : Not available |
| Boiling point | : -25 °C (DME) |
| Flammability | : Extremely flammable aerosol. |
| Explosive properties | : Pressurised container: May burst if heated. |
| Lower explosion limit | : 2,9 vol % |
| Upper explosion limit | : 22,2 vol % |
| Flash point | : -39 °C (closed cup) |
| Auto-ignition temperature | : 240 °C |
| Decomposition temperature | : Not available |
| pH | : Not available |
| Viscosity, kinematic | : Not available |
| Solubility | : insoluble in water. |
| Partition coefficient n-octanol/water (Log Kow) | : Not applicable |
| Vapour pressure | : < 300 kPa |
| Vapour pressure at 50 °C | : Not available |
| Density | : 0,889 g/cm ³ at 20 °C |
| Relative density | : 0,889 at 20 °C |
| Relative vapour density at 20 °C | : Not available |

MARKER PAINT

Safety Data Sheet

according to the REACH Regulation (EC) 1907/2006 amended by Regulation (EU) 2020/878

Particle characteristics : Not applicable

9.2. Other information

9.2.1. Information with regard to physical hazard classes

% of flammable ingredients : ≤ 75 %

9.2.2. Other safety characteristics

VOC content : 678 g/l

SECTION 10: Stability and reactivity

10.1. Reactivity

Extremely flammable aerosol. Pressurised container: May burst if heated.

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

Avoid contact with hot surfaces. Heat. No flames, no sparks. Eliminate all sources of ignition.

10.5. Incompatible materials

Strong oxidizing agents.

10.6. Hazardous decomposition products

Under normal conditions of storage and use, hazardous decomposition products should not be produced. Carbon oxides (CO, CO₂).

SECTION 11: Toxicological information

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

Acute toxicity (oral) : Not classified (Based on available data, the classification criteria are not met)

Acute toxicity (dermal) : Not classified (Based on available data, the classification criteria are not met)

Acute toxicity (inhalation) : Not classified (Based on available data, the classification criteria are not met)

| dimethyl ether (115-10-6) | |
|---|------------------------------|
| LC50 Inhalation - Rat | 308,5 mg/l/4h |
| LC50 Inhalation - Rat [ppm] | 164000 ppm |
| n-butyl acetate (123-86-4) | |
| LD50 oral rat | 10760 mg/kg |
| LD50 dermal rabbit | > 17600 mg/kg |
| LC50 Inhalation - Rat (Dust/Mist) | 23,4 mg/l/4h |
| ethyl acetate (141-78-6) | |
| LD50 oral | 4934 mg/kg bodyweight |
| LD50 dermal rabbit | > 20000 (<) mg/kg bodyweight |
| 2-methoxy-1-methylethyl acetate (108-65-6) | |
| LD50 oral rat | > 5000 mg/kg |
| LD50 oral | 8532 mg/kg bodyweight |
| LD50 dermal rat | > 2000 mg/kg bodyweight |

MARKER PAINT

Safety Data Sheet

according to the REACH Regulation (EC) 1907/2006 amended by Regulation (EU) 2020/878

| | |
|--|---|
| 2-methoxy-1-methylethyl acetate (108-65-6) | |
| LD50 dermal | > 5000 mg/kg bodyweight |
| LC50 Inhalation - Rat (Dust/Mist) | > 10800 mg/l |
| reaction mass of ethylbenzene and m-xylene and p-xylene | |
| LD50 oral rat | 5627 mg/kg |
| LD50 dermal rat | 1100 mg/kg |
| LC50 Inhalation - Rat | 11 mg/l |
| reaction mass of: N, N'-Ethane-1,2-diylbis(decanamide); 12-Hydroxy-N-[2-[1-oxydecyl]amino]ethyl]octadecanamide; N, N'-Ethane-1,2-diylbis(12hydroxyoctadecanamide) | |
| LD50 oral rat | > 5000 mg/kg bodyweight |
| LD50 dermal rat | > 2000 mg/kg bodyweight |
| Skin corrosion/irritation | : Not classified (Based on available data, the classification criteria are not met) |
| n-butyl acetate (123-86-4) | |
| pH | 6,2 |
| Serious eye damage/irritation | : Causes serious eye irritation. |
| n-butyl acetate (123-86-4) | |
| pH | 6,2 |
| Respiratory or skin sensitisation | : Not classified (Based on available data, the classification criteria are not met) |
| Germ cell mutagenicity | : Not classified (Based on available data, the classification criteria are not met) |
| Carcinogenicity | : Not classified (Based on available data, the classification criteria are not met) |
| Reproductive toxicity | : Not classified (Based on available data, the classification criteria are not met) |
| STOT-single exposure | : May cause drowsiness or dizziness. |
| n-butyl acetate (123-86-4) | |
| STOT-single exposure | May cause drowsiness or dizziness. |
| ethyl acetate (141-78-6) | |
| STOT-single exposure | May cause drowsiness or dizziness. |
| 2-methoxy-1-methylethyl acetate (108-65-6) | |
| STOT-single exposure | May cause drowsiness or dizziness. |
| reaction mass of ethylbenzene and m-xylene and p-xylene | |
| STOT-single exposure | May cause respiratory irritation. |
| STOT-repeated exposure | : Not classified (Based on available data, the classification criteria are not met) |
| n-butyl acetate (123-86-4) | |
| LOAEL (oral, rat, 90 days) | 500 mg/kg bodyweight |
| NOAEL (oral, rat, 90 days) | 125 mg/kg bodyweight |
| ethyl acetate (141-78-6) | |
| LOAEL (oral, rat, 90 days) | 3600 mg/kg bodyweight |
| NOAEL (oral, rat, 90 days) | 900 mg/kg bodyweight |
| 2-methoxy-1-methylethyl acetate (108-65-6) | |
| NOAEL (dermal, rat/rabbit, 90 days) | > 1000 mg/kg bodyweight |

MARKER PAINT

Safety Data Sheet

according to the REACH Regulation (EC) 1907/2006 amended by Regulation (EU) 2020/878

| reaction mass of ethylbenzene and m-xylene and p-xylene | |
|---|---|
| LOAEL (oral, rat, 90 days) | 150 mg/kg bodyweight |
| STOT-repeated exposure | May cause damage to organs through prolonged or repeated exposure. |
| reaction mass of: N, N'-Ethane-1,2-diylbis(decanamide); 12-Hydroxy-N-[2-[1-oxydecyl)amino]ethyl]octadecanamide; N, N'-Ethane-1,2-diylbis(12hydroxyoctadecanamide) | |
| NOAEL (oral, rat, 90 days) | 150 mg/kg bodyweight |
| Aspiration hazard | : Not classified (Based on available data, the classification criteria are not met) |
| MARKER PAINT | |
| Vaporizer | Aerosol |
| n-butyl acetate (123-86-4) | |
| Viscosity, kinematic | 0,83 mm ² /s |
| titanium dioxide; [in powder form containing 1 % or more of particles with aerodynamic diameter ≤ 10 µm] (13463-67-7) | |
| Viscosity, kinematic | Not applicable |

11.2. Information on other hazards

11.2.1. Endocrine disrupting properties

Adverse health effects 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 %

11.2.2. Other information

No additional information available

SECTION 12: Ecological information

12.1. Toxicity

| | |
|---|---|
| Ecology - general | : The product is not considered harmful to aquatic organisms nor to cause long-term adverse effects in the environment. |
| Hazardous to the aquatic environment, short-term (acute) | : Not classified (Based on available data, the classification criteria are not met) |
| Hazardous to the aquatic environment, long-term (chronic) | : Not classified (Based on available data, the classification criteria are not met) |
| Not rapidly degradable | |

| dimethyl ether (115-10-6) | |
|----------------------------|--------------------------------------|
| LC50 - Fish [1] | > 4,1 g/l |
| EC50 - Crustacea [1] | > 4,4 g/l Daphnia magna (Water flea) |
| EC50 96h - Algae [1] | 154917 mg/l |
| n-butyl acetate (123-86-4) | |
| LC50 - Fish [1] | 18 mg/l |
| EC50 - Crustacea [1] | 44 mg/l |
| EC50 72h - Algae [1] | 674,7 mg/l |
| LOEC (chronic) | 47,6 mg/l |
| NOEC (chronic) | 23,2 mg/l |
| NOEC chronic algae | 200 mg/l |

MARKER PAINT

Safety Data Sheet

according to the REACH Regulation (EC) 1907/2006 amended by Regulation (EU) 2020/878

| ethyl acetate (141-78-6) | |
|--|---|
| LC50 - Fish [1] | 230 mg/l |
| EC50 - Other aquatic organisms [1] | 717 mg/l Daphnia magna (Water flea) |
| NOEC (chronic) | 2,4 mg/l 21 d |
| 2-methoxy-1-methylethyl acetate (108-65-6) | |
| LC50 - Fish [1] | > 100 mg/l |
| EC50 - Crustacea [1] | > 500 mg/l |
| EC50 - Other aquatic organisms [1] | 408 mg/l |
| EC50 - Other aquatic organisms [2] | > 1000 mg/l |
| EC50 72h - Algae [1] | > 1000 mg/l |
| NOEC (chronic) | ≥ 100 mg/l |
| NOEC chronic fish | 47,5 mg/l |
| reaction mass of ethylbenzene and m-xylene and p-xylene | |
| LC50 - Fish [1] | 10 – 100 mg/l |
| EC50 - Crustacea [1] | 10 – 100 mg/l |
| EC50 72h - Algae [1] | 10 – 100 mg/l |
| LOEC (chronic) | 3,16 mg/l Daphnia magna (21 d) |
| NOEC chronic fish | > 1,3 mg/l Oncorhynchus mykiss (56 d) |
| reaction mass of: N, N'-Ethane-1,2-diylbis(decanamide); 12-Hydroxy-N-[2-[1-oxydecyl]amino]ethyl]octadecanamide; N, N'-Ethane-1,2-diylbis(12hydroxyoctadecanamide) | |
| LC50 - Fish [1] | 1 – 10 mg/l |
| EC50 - Crustacea [1] | 1 – 10 mg/l |
| EC50 72h - Algae [1] | 1 – 10 mg/l |
| LOEC (chronic) | 2,5 mg/l Daphnia magna (21 d) |
| NOEC (chronic) | 0,9 mg/l Daphnia magna (21 d) |
| 12.2. Persistence and degradability | |
| MARKER PAINT | |
| Persistence and degradability | Not established. No data is available on the degradability of this product. |
| 12.3. Bioaccumulative potential | |
| MARKER PAINT | |
| Partition coefficient n-octanol/water (Log Kow) | Not applicable |
| dimethyl ether (115-10-6) | |
| Partition coefficient n-octanol/water (Log Pow) | 0,07 |
| n-butyl acetate (123-86-4) | |
| Partition coefficient n-octanol/water (Log Pow) | 2,3 |
| ethyl acetate (141-78-6) | |
| Partition coefficient n-octanol/water (Log Pow) | 0,7 |

MARKER PAINT

Safety Data Sheet

according to the REACH Regulation (EC) 1907/2006 amended by Regulation (EU) 2020/878

2-methoxy-1-methylethyl acetate (108-65-6)

Partition coefficient n-octanol/water (Log Pow) 1,2

12.4. Mobility in soil

No additional information available

12.5. Results of PBT and vPvB assessment

MARKER PAINT

Results of PBT assessment Contains no PBT and/or vPvB substances $\geq 0.1\%$ assessed in accordance with REACH Annex XIII

12.6. Endocrine disrupting properties

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

Additional information : No other effects known
Global warming potential (GWP) : 1 (Fluorinated greenhouse gases - (EC) No 517/2014)






SECTION 13: Disposal considerations

13.1. Waste treatment methods

Waste treatment methods : Dispose of contents/container in accordance with licensed collector's sorting instructions.
European List of Waste (LoW, EC 2000/532) : According to the European Waste Catalogue (EWC), Waste Codes are not product specific, but application specific Waste codes should be assigned by the user based on the application for which the product was used.

SECTION 14: Transport information

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

| ADR | IMDG | IATA | ADN | RID |
|---|---|---|---|---|
| 14.1. UN number or ID number | | | | |
| UN 1950 | UN 1950 | UN 1950 | UN 1950 | UN 1950 |
| 14.2. UN proper shipping name | | | | |
| AEROSOLS | AEROSOLS | Aerosols, flammable | AEROSOLS | AEROSOLS |
| Transport document description | | | | |
| UN 1950 AEROSOLS, 2.1, (D) | UN 1950 AEROSOLS, 2.1 | UN 1950 Aerosols, flammable, 2.1 | UN 1950 AEROSOLS, 2.1 | UN 1950 AEROSOLS, 2.1 |
| 14.3. Transport hazard class(es) | | | | |
| 2.1 | 2.1 | 2.1 | 2.1 | 2.1 |
|  |  |  |  |  |
| 14.4. Packing group | | | | |
| Not applicable | Not applicable | Not applicable | Not applicable | Not applicable |

MARKER PAINT

Safety Data Sheet

according to the REACH Regulation (EC) 1907/2006 amended by Regulation (EU) 2020/878

| ADR | IMDG | IATA | ADN | RID |
|--|---|-----------------------------------|-----------------------------------|-----------------------------------|
| 14.5. Environmental hazards | | | | |
| Dangerous for the environment: No | Dangerous for the environment: No Marine pollutant: No | Dangerous for the environment: No | Dangerous for the environment: No | Dangerous for the environment: No |
| No supplementary information available | | | | |

14.6. Special precautions for user

Overland transport

| | |
|---|----------------------|
| Classification code (ADR) | : 5F |
| Special provisions (ADR) | : 190, 327, 344, 625 |
| Limited quantities (ADR) | : 1I |
| Excepted quantities (ADR) | : E0 |
| Packing instructions (ADR) | : P207, LP200 |
| Special packing provisions (ADR) | : PP87, RR6, L2 |
| Mixed packing provisions (ADR) | : MP9 |
| Transport category (ADR) | : 2 |
| Special provisions for carriage - Packages (ADR) | : V14 |
| Special provisions for carriage - Loading, unloading and handling (ADR) | : CV9, CV12 |
| Special provisions for carriage - Operation (ADR) | : S2 |
| Tunnel restriction code (ADR) | : D |

Transport by sea

| | |
|-----------------------------------|------------------------------------|
| Special provisions (IMDG) | : 63, 190, 277, 327, 344, 381, 959 |
| Limited quantities (IMDG) | : SP277 |
| Excepted quantities (IMDG) | : E0 |
| Packing instructions (IMDG) | : P207, LP200 |
| Special packing provisions (IMDG) | : PP87, L2 |
| EmS-No. (Fire) | : F-D |
| EmS-No. (Spillage) | : S-U |
| Stowage category (IMDG) | : None |
| Stowage and handling (IMDG) | : SW1, SW22 |
| Segregation (IMDG) | : SG69 |

Air transport

| | |
|--|--------------------|
| PCA Excepted quantities (IATA) | : E0 |
| PCA Limited quantities (IATA) | : Y203 |
| PCA limited quantity max net quantity (IATA) | : 30kgG |
| PCA packing instructions (IATA) | : 203 |
| PCA max net quantity (IATA) | : 75kg |
| CAO packing instructions (IATA) | : 203 |
| CAO max net quantity (IATA) | : 150kg |
| Special provisions (IATA) | : A145, A167, A802 |
| ERG code (IATA) | : 10L |

Inland waterway transport

| | |
|-----------------------------------|----------------------|
| Classification code (ADN) | : 5F |
| Special provisions (ADN) | : 190, 327, 344, 625 |
| Limited quantities (ADN) | : 1 L |
| Excepted quantities (ADN) | : E0 |
| Equipment required (ADN) | : PP, EX, A |
| Ventilation (ADN) | : VE01, VE04 |
| Number of blue cones/lights (ADN) | : 1 |

Rail transport

| | |
|---------------------------|----------------------|
| Classification code (RID) | : 5F |
| Special provisions (RID) | : 190, 327, 344, 625 |
| Limited quantities (RID) | : 1L |
| Excepted quantities (RID) | : E0 |

MARKER PAINT

Safety Data Sheet

according to the REACH Regulation (EC) 1907/2006 amended by Regulation (EU) 2020/878

| | |
|---|-----------------|
| Packing instructions (RID) | : P207, LP200 |
| Special packing provisions (RID) | : PP87, RR6, L2 |
| Mixed packing provisions (RID) | : MP9 |
| Transport category (RID) | : 2 |
| Special provisions for carriage – Packages (RID) | : W14 |
| Special provisions for carriage - Loading, unloading and handling (RID) | : CW9, CW12 |
| Colis express (express parcels) (RID) | : CE2 |
| Hazard identification number (RID) | : 23 |

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)

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)

VOC Directive (2004/42)

VOC content : 678 g/l

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

No additional information available

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 |
| ATE | Acute Toxicity Estimate |
| BCF | Bioconcentration factor |

MARKER PAINT

Safety Data Sheet

according to the REACH Regulation (EC) 1907/2006 amended by Regulation (EU) 2020/878

| Abbreviations and acronyms: | |
|-----------------------------|--|
| BLV | Biological limit value |
| BOD | Biochemical oxygen demand (BOD) |
| COD | Chemical oxygen demand (COD) |
| DMEL | Derived Minimal Effect level |
| DNEL | Derived-No Effect Level |
| 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 |
| 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: | |
|--|---|
| Acute Tox. 4 (Dermal) | Acute toxicity (dermal), Category 4 |
| Acute Tox. 4 (Inhalation:dust,mist) | Acute toxicity (inhalation:dust,mist) Category 4 |
| Aerosol 1 | Aerosol, Category 1 |
| Aquatic Chronic 2 | Hazardous to the aquatic environment – Chronic Hazard, Category 2 |
| Aquatic Chronic 3 | Hazardous to the aquatic environment – Chronic Hazard, Category 3 |

MARKER PAINT

Safety Data Sheet

according to the REACH Regulation (EC) 1907/2006 amended by Regulation (EU) 2020/878

| Full text of H- and EUH-statements: | |
|-------------------------------------|---|
| Asp. Tox. 1 | Aspiration hazard, Category 1 |
| Carc. 2 | Carcinogenicity, Category 2 |
| EUH066 | Repeated exposure may cause skin dryness or cracking. |
| EUH208 | Contains reaction mass of: N, N'-Ethane-1,2-diylbis(decamide); 12-Hydroxy-N-[2-[1-oxydecyl)amino]ethyl]octadecanamide; N, N'-Ethane-1,2-diylbis(12hydroxyoctadecanamide). May produce an allergic reaction. |
| EUH211 | Warning! Hazardous respirable droplets may be formed when sprayed. Do not breathe spray or mist. |
| Eye Irrit. 2 | Serious eye damage/eye irritation, Category 2 |
| Flam. Gas 1 | Flammable gases, Category 1 |
| Flam. Liq. 2 | Flammable liquids, Category 2 |
| Flam. Liq. 3 | Flammable liquids, Category 3 |
| H220 | Extremely flammable gas. |
| H222 | Extremely flammable aerosol. |
| H225 | Highly flammable liquid and vapour. |
| H226 | Flammable liquid and vapour. |
| H229 | Pressurised container: May burst if heated. |
| H280 | Contains gas under pressure; may explode if heated. |
| H304 | May be fatal if swallowed and enters airways. |
| H312 | Harmful in contact with skin. |
| H315 | Causes skin irritation. |
| H317 | May cause an allergic skin reaction. |
| H319 | Causes serious eye irritation. |
| H332 | Harmful if inhaled. |
| H335 | May cause respiratory irritation. |
| H336 | May cause drowsiness or dizziness. |
| H351 | Suspected of causing cancer. |
| H373 | May cause damage to organs through prolonged or repeated exposure. |
| H411 | Toxic to aquatic life with long lasting effects. |
| H412 | Harmful to aquatic life with long lasting effects. |
| Press. Gas (Liq.) | Gases under pressure : Liquefied gas |
| Skin Irrit. 2 | Skin corrosion/irritation, Category 2 |
| Skin Sens. 1 | Skin sensitisation, Category 1 |
| STOT RE 2 | Specific target organ toxicity – Repeated exposure, Category 2 |
| STOT SE 3 | Specific target organ toxicity – Single exposure, Category 3, Narcosis |

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. Apart from any fair dealing for purposes of study, research and review of health, safety and environmental risks, no part of these documents may be reproduced by any process without written permission from CRC. The products are governed by Regulation (EC) No 1272/2008 on the classification, labelling and packaging of substances and mixtures (CLP); Regulation (EC) No 1907/2006 on the Registration, Evaluation, Authorisation and Restriction of Chemicals (REACH) (in each case, as amended and replaced) and other applicable laws. It is an importers or downstream users responsibility to ensure compliance of product they import. An SDS provided in the official language(s) of a country is not a guarantee of compliance in that country.