



Safety Data Sheet according to Regulation (EC) No 1907/2006

Page 1 of 22

LOCTITE SF 7200 400ML EGFD

SDS No. : 173071
V009.0

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

1.1. Product identifier

LOCTITE SF 7200 400ML EGFD

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

Intended use:
Solvent based cleaner

1.3. Details of the supplier of the safety data sheet

Henkel Ltd
Adhesives
Wood Lane End
HP2 4RQ Hemel Hempstead

Great Britain

Phone: +44 (1442) 278000
Fax-no.: +44 (1442) 278071

ua-productsafety.uk@henkel.com

1.4. Emergency telephone number

24 Hours Emergency Tel: +44 (0)1442 278497

SECTION 2: Hazards identification

2.1. Classification of the substance or mixture

Classification (CLP):

| | |
|--------------------------------------------------|------------|
| Flammable aerosols | Category 1 |
| H222 Extremely flammable aerosol. | |
| H229 Pressurized container: May burst if heated. | |
| Skin irritation | Category 2 |
| H315 Causes skin irritation. | |
| Serious eye irritation | Category 2 |
| H319 Causes serious eye irritation. | |

2.2. Label elements

Label elements (CLP):

Hazard pictogram:



| | |
|----------------------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Signal word: | Danger |
| Hazard statement: | H222 Extremely flammable aerosol. H229 Pressurized container: May burst if heated. H315 Causes skin irritation. H319 Causes serious eye irritation. |
| Precautionary statement: | P251 Do not pierce or burn, even after use. P410+P412 Protect from sunlight. Do not expose to temperatures exceeding 50°C/122°F. P211 Do not spray on an open flame or other ignition source. P210 Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking. P102 Keep out of reach of children. "***" ***For consumer use only: P101 If medical advice is needed, have product container or label at hand. P102 Keep out of reach of children. P501 Dispose of waste and residues in accordance with local authority requirements*** |
| Precautionary statement: Response | P302+P352 IF ON SKIN: Wash with plenty of soap and water. P337+P313 If eye irritation persists: Get medical advice/attention. |

2.3. Other hazards

None if used properly.

Not fulfilling Persistent, Bioaccumulative and Toxic (PBT), very Persistent and very Bioaccumulative (vPvB) criteria.

SECTION 3: Composition/information on ingredients**3.2. Mixtures****General chemical description:**

Cleaner

Declaration of the ingredients according to CLP (EC) No 1272/2008:

| Hazardous components CAS-No. | EC Number REACH-Reg No. | content | Classification |
|--------------------------------------------|-------------------------------|-------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Methylal 109-87-5 | 203-714-2 01-2119664781-31 | 50- < 75 % | Flam. Liq. 2 H225 |
| Propane 74-98-6 | 200-827-9 01-2119486944-21 | 10- < 25 % | Flam. Gas 1 H220 Press. Gas |
| 1,3-Dioxolane 646-06-0 | 211-463-5 01-2119490744-29 | 10- < 25 % | Flam. Liq. 2 H225 Eye Irrit. 2 H319 |
| Propan-2-ol 67-63-0 | 200-661-7 01-2119457558-25 | 2,5- < 10 % | Flam. Liq. 2 H225 Eye Irrit. 2 H319 STOT SE 3 H336 |
| Ethanol 64-17-5 | 200-578-6 01-2119457610-43 | 2,5- < 10 % | Eye Irrit. 2 H319 Flam. Liq. 2 H225 |
| Butane, n- (< 0.1 % butadiene) 106-97-8 | 203-448-7 01-2119474691-32 | 1- < 2,5 % | Flam. Gas 1 H220 Press. Gas |
| Butanone 78-93-3 | 201-159-0 01-2119457290-43 | 1- < 2,5 % | STOT SE 3 H336 Eye Irrit. 2 H319 Flam. Liq. 2 H225 |
| 2-aminoethanol 141-43-5 | 205-483-3 01-2119486455-28 | 1- < 2,5 % | Acute Tox. 4; Oral H302 Acute Tox. 4; Dermal H312 Eye Dam. 1 H318 Skin Corr. 1B H314 Acute Tox. 4; Inhalation H332 Aquatic Chronic 3 H412 STOT SE 3 H335 |

For full text of the H - statements and other abbreviations see section 16 "Other information".
Substances without classification may have community workplace exposure limits available.

Declaration of ingredients according to Detergent Regulation 648/2004/EC

| | |
|-----------|------------------------|
| 15 - 30 % | aliphatic hydrocarbons |
| < 5 % | non-ionic surfactants |

SECTION 4: First aid measures**4.1. Description of first aid measures****Inhalation:**

Move to fresh air.
Seek medical advice.

Skin contact:

Rinse with running water and soap.
Seek medical advice.

Eye contact:

Rinse immediately with plenty of running water (for 10 minutes). Seek medical attention if necessary.

Ingestion:

Rinse mouth, drink 1-2 glasses of water, do not induce vomiting, consult a doctor.

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

EYE: Irritation, conjunctivitis.

SKIN: Redness, inflammation.

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

See section: Description of first aid measures

SECTION 5: Firefighting measures

5.1. Extinguishing media

Suitable extinguishing media:

Foam, extinguishing powder, carbon dioxide.

Alcohol-resistant foam.

5.2. Special hazards arising from the substance or mixture

In the event of a fire, carbon monoxide (CO), carbon dioxide (CO₂) and nitrogen oxides (NO_x) can be released.

Do not expose to direct heat.

5.3. Advice for firefighters

Wear self-contained breathing apparatus.

Additional information:

In case of fire, keep containers cool with water spray.

SECTION 6: Accidental release measures

6.1. Personal precautions, protective equipment and emergency procedures

Remove sources of ignition.

Ensure adequate ventilation.

Avoid contact with skin and eyes.

Wear protective equipment.

6.2. Environmental precautions

Do not empty into drains / surface water / ground water.

6.3. Methods and material for containment and cleaning up

Wipe up using absorbent material.

Store in a partly filled, closed container until disposal.

Dispose of contaminated material as waste according to Section 13.

6.4. Reference to other sections

See advice in section 8

SECTION 7: Handling and storage

7.1. Precautions for safe handling

Avoid skin and eye contact.

Keep away from sources of ignition - no smoking.

Vapours should be extracted to avoid inhalation.

See advice in section 8

Hygiene measures:

Good industrial hygiene practices should be observed.

Wash hands before work breaks and after finishing work.

Do not eat, drink or smoke while working.

7.2. Conditions for safe storage, including any incompatibilities

Store in a cool, dry place.

Do not store near sources of heat or ignition, or reactive materials.

Refer to Technical Data Sheet

7.3. Specific end use(s)

Solvent based cleaner

SECTION 8: Exposure controls/personal protection

8.1. Control parameters

Occupational Exposure Limits

Valid for
Great Britain

| Ingredient [Regulated substance] | ppm | mg/m ³ | Value type | Short term exposure limit category / Remarks | Regulatory list |
|------------------------------------------------------------|-------|-------------------|-----------------------------------|----------------------------------------------|-----------------|
| Dimethoxymethane 109-87-5 [DIMETHOXYMETHANE] | 1.250 | 3.950 | Short Term Exposure Limit (STEL): | | EH40 WEL |
| Dimethoxymethane 109-87-5 [DIMETHOXYMETHANE] | 1.000 | 3.160 | Time Weighted Average (TWA): | | EH40 WEL |
| Propan-2-ol 67-63-0 [PROPAN-2-OL] | 500 | 1.250 | Short Term Exposure Limit (STEL): | | EH40 WEL |
| Propan-2-ol 67-63-0 [PROPAN-2-OL] | 400 | 999 | Time Weighted Average (TWA): | | EH40 WEL |
| Ethanol 64-17-5 [ETHANOL] | 1.000 | 1.920 | Time Weighted Average (TWA): | | EH40 WEL |
| Butane 106-97-8 [BUTANE] | 750 | 1.810 | Short Term Exposure Limit (STEL): | | EH40 WEL |
| Butane 106-97-8 [BUTANE] | 600 | 1.450 | Time Weighted Average (TWA): | | EH40 WEL |
| Butanone 78-93-3 [BUTAN-2-ONE (METHYL ETHYL KETONE)] | 300 | 899 | Short Term Exposure Limit (STEL): | | EH40 WEL |
| Butanone 78-93-3 [BUTAN-2-ONE (METHYL ETHYL KETONE)] | | | Skin designation: | Can be absorbed through the skin. | EH40 WEL |
| Butanone 78-93-3 [BUTAN-2-ONE (METHYL ETHYL KETONE)] | 200 | 600 | Time Weighted Average (TWA): | | EH40 WEL |
| Butanone 78-93-3 [BUTANONE] | 200 | 600 | Time Weighted Average (TWA): | Indicative | ECTLV |
| Butanone 78-93-3 [BUTANONE] | 300 | 900 | Short Term Exposure Limit (STEL): | Indicative | ECTLV |
| 2-Aminoethanol 141-43-5 [2-AMINOETHANOL] | | | Skin designation: | Can be absorbed through the skin. | EH40 WEL |
| 2-Aminoethanol 141-43-5 [2-AMINOETHANOL] | 1 | 2,5 | Time Weighted Average (TWA): | | EH40 WEL |
| 2-Aminoethanol 141-43-5 [2-AMINOETHANOL] | 3 | 7,6 | Short Term Exposure Limit (STEL): | | EH40 WEL |
| 2-Aminoethanol 141-43-5 [2-AMINOETHANOL] | 3 | 7,6 | Short Term Exposure Limit (STEL): | Indicative | ECTLV |
| 2-Aminoethanol 141-43-5 [2-AMINOETHANOL] | 1 | 2,5 | Time Weighted Average (TWA): | Indicative | ECTLV |

Occupational Exposure Limits

Valid for
Ireland

| Ingredient [Regulated substance] | ppm | mg/m ³ | Value type | Short term exposure limit category / Remarks | Regulatory list |
|----------------------------------|-----|-------------------|------------|----------------------------------------------|-----------------|
|----------------------------------|-----|-------------------|------------|----------------------------------------------|-----------------|

| | | | | | |
|----------------------------------------------------|-------|-------|-----------------------------------|-----------------------------------|--------|
| Dimethoxymethane 109-87-5 [METHYLAL] | 1.000 | 3.100 | Time Weighted Average (TWA): | | IR_OEL |
| 1,3-Dioxolane 646-06-0 [1,3-DIOXOLANE] | 20 | | Time Weighted Average (TWA): | | IR_OEL |
| Propan-2-ol 67-63-0 [ISOPROPYL ALCOHOL] | 200 | | Time Weighted Average (TWA): | | IR_OEL |
| Propan-2-ol 67-63-0 [ISOPROPYL ALCOHOL] | | | Skin designation: | Can be absorbed through the skin. | IR_OEL |
| Propan-2-ol 67-63-0 [ISOPROPYL ALCOHOL] | 400 | | Short Term Exposure Limit (STEL): | 15 minutes | IR_OEL |
| Ethanol 64-17-5 [ETHANOL] | 1.000 | | Short Term Exposure Limit (STEL): | 15 minutes | IR_OEL |
| Butane 106-97-8 [BUTANE] | 1.000 | | Time Weighted Average (TWA): | | IR_OEL |
| Butanone 78-93-3 [METHYL ETHYL KETONE (MEK)] | 200 | 600 | Time Weighted Average (TWA): | Indicative OELV | IR_OEL |
| Butanone 78-93-3 [METHYL ETHYL KETONE (MEK)] | | | Skin designation: | Can be absorbed through the skin. | IR_OEL |
| Butanone 78-93-3 [BUTANONE] | 200 | 600 | Time Weighted Average (TWA): | Indicative | ECLTV |
| Butanone 78-93-3 [BUTANONE] | 300 | 900 | Short Term Exposure Limit (STEL): | Indicative | ECLTV |
| Butanone 78-93-3 [METHYL ETHYL KETONE (MEK)] | 300 | 900 | Short Term Exposure Limit (STEL): | 15 minutes Indicative OELV | IR_OEL |
| 2-Aminoethanol 141-43-5 [2-AMINOETHANOL] | 1 | 2,5 | Time Weighted Average (TWA): | Indicative OELV | IR_OEL |
| 2-Aminoethanol 141-43-5 [2-AMINOETHANOL] | 3 | 7,6 | Short Term Exposure Limit (STEL): | Indicative | ECLTV |
| 2-Aminoethanol 141-43-5 [2-AMINOETHANOL] | 1 | 2,5 | Time Weighted Average (TWA): | Indicative | ECLTV |
| 2-Aminoethanol 141-43-5 [2-AMINOETHANOL] | | | Skin designation: | Can be absorbed through the skin. | IR_OEL |
| 2-Aminoethanol 141-43-5 [2-AMINOETHANOL] | 3 | 7,6 | Short Term Exposure Limit (STEL): | 15 minutes Indicative OELV | IR_OEL |

Predicted No-Effect Concentration (PNEC):

| Name on list | Environmental Compartment | Exposure period | Value | | | | Remarks |
|------------------------------|------------------------------------|-----------------|----------------|-----|-----------------|--------|---------|
| | | | mg/l | ppm | mg/kg | others | |
| Dimethoxymethane 109-87-5 | aqua (freshwater) | | 14,577 mg/l | | | | |
| Dimethoxymethane 109-87-5 | aqua (marine water) | | 1,4577 mg/l | | | | |
| Dimethoxymethane 109-87-5 | sediment (freshwater) | | | | 13,135 mg/kg | | |
| Dimethoxymethane 109-87-5 | sediment (marine water) | | | | 1,3135 mg/kg | | |
| Dimethoxymethane 109-87-5 | Soil | | | | 4,6538 mg/kg | | |
| Dimethoxymethane 109-87-5 | Sewage treatment plant | | 10000 mg/l | | | | |
| 1,3-Dioxolane 646-06-0 | aqua (freshwater) | | 19,7 mg/l | | | | |
| 1,3-Dioxolane 646-06-0 | aqua (marine water) | | 1,97 mg/l | | | | |
| 1,3-Dioxolane 646-06-0 | aqua (intermittent releases) | | 0,95 mg/l | | | | |
| 1,3-Dioxolane 646-06-0 | sediment (freshwater) | | | | 77,7 mg/kg | | |
| 1,3-Dioxolane 646-06-0 | sediment (marine water) | | | | 7,77 mg/kg | | |
| 1,3-Dioxolane 646-06-0 | Soil | | | | 2,62 mg/kg | | |
| 1,3-Dioxolane 646-06-0 | Sewage treatment plant | | 1 mg/l | | | | |
| Propan-2-ol 67-63-0 | aqua (freshwater) | | 140,9 mg/l | | | | |
| Propan-2-ol 67-63-0 | aqua (marine water) | | 140,9 mg/l | | | | |
| Propan-2-ol 67-63-0 | sediment (freshwater) | | | | 552 mg/kg | | |
| Propan-2-ol 67-63-0 | sediment (marine water) | | | | 552 mg/kg | | |
| Propan-2-ol 67-63-0 | Soil | | | | 28 mg/kg | | |
| Propan-2-ol 67-63-0 | aqua (intermittent releases) | | 140,9 mg/l | | | | |
| Propan-2-ol 67-63-0 | sewage treatment plant (STP) | | 2251 mg/l | | | | |
| Propan-2-ol 67-63-0 | oral | | | | 160 mg/kg | | |
| Ethanol 64-17-5 | aqua (freshwater) | | 0,96 mg/l | | | | |
| Ethanol 64-17-5 | aqua (marine water) | | 0,79 mg/l | | | | |
| Ethanol 64-17-5 | aqua (intermittent releases) | | 2,75 mg/l | | | | |
| Ethanol 64-17-5 | sewage treatment plant (STP) | | 580 mg/l | | | | |
| Ethanol 64-17-5 | sediment (freshwater) | | | | 3,6 mg/kg | | |
| Ethanol 64-17-5 | sediment (marine water) | | | | 2,9 mg/kg | | |
| Ethanol 64-17-5 | Soil | | | | 0,63 mg/kg | | |
| Ethanol 64-17-5 | oral | | | | 380 mg/kg | | |
| Butanone 78-93-3 | aqua (freshwater) | | 55,8 mg/l | | | | |
| Butanone 78-93-3 | aqua (marine water) | | 55,8 mg/l | | | | |
| Butanone 78-93-3 | aqua (intermittent | | 55,8 mg/l | | | | |

| | | | | | | | |
|----------------------------|------------------------------------|--|----------------|--|-----------------|--|--|
| | releases) | | | | | | |
| Butanone 78-93-3 | sewage treatment plant (STP) | | 709 mg/l | | | | |
| Butanone 78-93-3 | sediment (freshwater) | | | | 284,74 mg/kg | | |
| Butanone 78-93-3 | sediment (marine water) | | | | 284,7 mg/kg | | |
| Butanone 78-93-3 | Soil | | | | 22,5 mg/kg | | |
| Butanone 78-93-3 | oral | | | | 1000 mg/kg | | |
| 2-Aminoethanol 141-43-5 | aqua (freshwater) | | 0,085 mg/l | | | | |
| 2-Aminoethanol 141-43-5 | aqua (marine water) | | 0,0085 mg/l | | | | |
| 2-Aminoethanol 141-43-5 | aqua (intermittent releases) | | 0,028 mg/l | | | | |
| 2-Aminoethanol 141-43-5 | sediment (freshwater) | | | | 0,434 mg/kg | | |
| 2-Aminoethanol 141-43-5 | sediment (marine water) | | | | 0,0434 mg/kg | | |
| 2-Aminoethanol 141-43-5 | Soil | | | | 0,037 mg/kg | | |
| 2-Aminoethanol 141-43-5 | sewage treatment plant (STP) | | 100 mg/l | | | | |

Derived No-Effect Level (DNEL):

| Name on list | Application Area | Route of Exposure | Health Effect | Exposure Time | Value | Remarks |
|----------------------------|--------------------|-------------------|---------------------------------------|---------------|-----------------------|---------|
| 1,3-Dioxolane 646-06-0 | Workers | dermal | Long term exposure - systemic effects | | 4,1 mg/kg | |
| 1,3-Dioxolane 646-06-0 | Workers | inhalation | Long term exposure - systemic effects | | 19 mg/m ³ | |
| 1,3-Dioxolane 646-06-0 | General population | oral | Long term exposure - systemic effects | | 75 mg/kg | |
| 1,3-Dioxolane 646-06-0 | General population | inhalation | Long term exposure - systemic effects | | 5,7 mg/m ³ | |
| 1,3-Dioxolane 646-06-0 | General population | dermal | Long term exposure - systemic effects | | 0,8 mg/kg | |
| Propan-2-ol 67-63-0 | Workers | dermal | Long term exposure - systemic effects | | 888 mg/kg | |
| Propan-2-ol 67-63-0 | Workers | inhalation | Long term exposure - systemic effects | | 500 mg/m ³ | |
| Propan-2-ol 67-63-0 | General population | dermal | Long term exposure - systemic effects | | 319 mg/kg | |
| Propan-2-ol 67-63-0 | General population | inhalation | Long term exposure - systemic effects | | 89 mg/m ³ | |
| Propan-2-ol 67-63-0 | General population | oral | Long term exposure - systemic effects | | 26 mg/kg | |
| Ethanol 64-17-5 | Workers | dermal | Long term exposure - systemic effects | | 343 mg/kg | |
| Ethanol 64-17-5 | Workers | inhalation | Long term exposure - systemic effects | | 950 mg/m ³ | |
| Ethanol 64-17-5 | General population | dermal | Long term exposure - systemic effects | | 206 mg/kg | |
| Ethanol 64-17-5 | General population | inhalation | Long term exposure - systemic effects | | 114 mg/m ³ | |
| Ethanol 64-17-5 | General population | oral | Long term exposure - systemic effects | | 87 mg/kg | |
| Butanone 78-93-3 | Workers | dermal | Long term exposure - systemic effects | | 1161 mg/kg | |
| Butanone 78-93-3 | Workers | inhalation | Long term exposure - systemic effects | | 600 mg/m ³ | |
| Butanone 78-93-3 | General population | dermal | Long term exposure - systemic effects | | 412 mg/kg | |
| Butanone 78-93-3 | General population | inhalation | Long term exposure - systemic effects | | 106 mg/m ³ | |
| Butanone 78-93-3 | General population | oral | Long term exposure - systemic effects | | 31 mg/kg | |
| 2-Aminoethanol 141-43-5 | Workers | dermal | Long term exposure - systemic effects | | 1 mg/kg | |
| 2-Aminoethanol 141-43-5 | Workers | inhalation | Long term exposure - local effects | | 3,3 mg/m ³ | |
| 2-Aminoethanol 141-43-5 | General population | dermal | Long term exposure - systemic effects | | 0,24 mg/kg | |
| 2-Aminoethanol 141-43-5 | General population | oral | Long term exposure - | | 3,75 mg/kg | |

| | | | | | | |
|----------------------------|-----------------------|------------|------------------------------------------|--|---------|--|
| | | | systemic effects | | | |
| 2-Aminoethanol 141-43-5 | General population | inhalation | Long term exposure - local effects | | 2 mg/m3 | |

Biological Exposure Indices:

| Ingredient [Regulated substance] | Parameters | Biological specimen | Sampling time | Conc. | Basis of biol. exposure index | Remark | Additional Information |
|--------------------------------------|-------------|---------------------|------------------------------|-------|-------------------------------|--------|------------------------|
| Butanone 78-93-3 [BUTAN-2-ONE] | Butan-2-one | Urine | Sampling time: End of shift. | | UKEH40BMG V | | |

8.2. Exposure controls:

Engineering controls:
Ensure good ventilation/extraction.

Respiratory protection:
Ensure adequate ventilation.
Use only in well-ventilated areas.
An approved mask or respirator fitted with an organic vapour cartridge should be worn if the product is used in a poorly ventilated area
Filtertype: AX
Filter type: P2

Hand protection:
Chemical-resistant protective gloves (EN 374).
Suitable materials for short-term contact or splashes (recommended: at least protection index 2, corresponding to > 30 minutes permeation time as per EN 374):
nitrile rubber (NBR; >= 0.4 mm thickness)
Suitable materials for longer, direct contact (recommended: protection index 6, corresponding to > 480 minutes permeation time as per EN 374):
nitrile rubber (NBR; >= 0.4 mm thickness)
This information is based on literature references and on information provided by glove manufacturers, or is derived by analogy with similar substances. Please note that in practice the working life of chemical-resistant protective gloves may be considerably shorter than the permeation time determined in accordance with EN 374 as a result of the many influencing factors (e.g. temperature). If signs of wear and tear are noticed then the gloves should be replaced.

Eye protection:
Wear protective glasses.
Protective eye equipment should conform to EN166.

Skin protection:
Wear suitable protective clothing.
Protective clothing should conform to EN 14605 for liquid splashes or to EN 13982 for dusts.

Advices to personal protection equipment:

The information provided on personal protective equipment is for guidance purposes only. A full risk assessment should be conducted prior to using this product to determine the appropriate personal protective equipment to suit local conditions. Personal protective equipment should conform to the relevant EN standard.

SECTION 9: Physical and chemical properties

9.1. Information on basic physical and chemical properties

| | |
|-----------------|------------------------------------|
| Appearance | aerosol |
| Odor | Amber |
| Odour threshold | Alcoholic |
| | No data available / Not applicable |
| pH | 10,6 - 11,0 |

| | |
|----------------------------------------|------------------------------------|
| () | |
| Melting point | No data available / Not applicable |
| Solidification temperature | No data available / Not applicable |
| Initial boiling point | -44,5 °C (-48.1 °F) |
| Flash point | -97 °C (-142.6 °F) |
| Evaporation rate | Not available. |
| Flammability | No data available / Not applicable |
| Explosive limits | |
| lower | 0,70 %(V) |
| upper | 19,90 %(V) |
| Vapour pressure | 4 hPa |
| (20 °C (68 °F)) | |
| Relative vapour density: | No data available / Not applicable |
| Density | 0,79 g/cm3 |
| (20 °C (68 °F)) | |
| Bulk density | No data available / Not applicable |
| Solubility | No data available / Not applicable |
| Solubility (qualitative) | Not miscible |
| (Solvent: Water) | |
| Solubility (qualitative) | Miscible |
| (Solvent: Acetone) | |
| Partition coefficient: n-octanol/water | No data available / Not applicable |
| Auto-ignition temperature | No data available / Not applicable |
| Decomposition temperature | No data available / Not applicable |
| Viscosity | No data available / Not applicable |
| Viscosity (kinematic) | No data available / Not applicable |
| Explosive properties | No data available / Not applicable |
| Oxidising properties | No data available / Not applicable |

9.2. Other information

Ignition temperature 235 °C (455 °F)

SECTION 10: Stability and reactivity

10.1. Reactivity

Strong oxidizing agents.

10.2. Chemical stability

Stable under recommended storage conditions.

10.3. Possibility of hazardous reactions

See section reactivity

10.4. Conditions to avoid

Stable under normal conditions of storage and use.
Heat, flames, sparks and other sources of ignition.

10.5. Incompatible materials

See section reactivity.

10.6. Hazardous decomposition products

None if used for intended purpose.

SECTION 11: Toxicological information

11.1. Information on toxicological effects

Acute oral toxicity:

The mixture is classified based on calculation method referring to the classified substances present in the mixture.

| Hazardous substances CAS-No. | Value type | Value | Species | Method |
|---------------------------------|---------------|--------------|---------|------------------------------------------|
| Methylal 109-87-5 | LD50 | 6.423 mg/kg | rat | not specified |
| Propan-2-ol 67-63-0 | LD50 | 5.840 mg/kg | rat | OECD Guideline 401 (Acute Oral Toxicity) |
| Ethanol 64-17-5 | LD50 | 10.470 mg/kg | rat | OECD Guideline 401 (Acute Oral Toxicity) |
| Butanone 78-93-3 | LD50 | 2.737 mg/kg | rat | not specified |
| 2-aminoethanol 141-43-5 | LD50 | 1.515 mg/kg | rat | OECD Guideline 401 (Acute Oral Toxicity) |

Acute dermal toxicity:

The mixture is classified based on calculation method referring to the classified substances present in the mixture.

| Hazardous substances CAS-No. | Value type | Value | Species | Method |
|---------------------------------|---------------|------------------------|---------|--------------------------------------------|
| Methylal 109-87-5 | LD50 | > 5.000 mg/kg | rabbit | OECD Guideline 402 (Acute Dermal Toxicity) |
| Propan-2-ol 67-63-0 | LD50 | 12.870 mg/kg | rabbit | OECD Guideline 402 (Acute Dermal Toxicity) |
| Ethanol 64-17-5 | LD50 | > 2.000 mg/kg | rabbit | OECD Guideline 402 (Acute Dermal Toxicity) |
| Butanone 78-93-3 | LD50 | 6.400 - 8.000 mg/kg | rabbit | not specified |
| 2-aminoethanol 141-43-5 | LD50 | 1.025 mg/kg | rabbit | not specified |

Acute inhalative toxicity:

The mixture is classified based on calculation method referring to the classified substances present in the mixture.

| Hazardous substances CAS-No. | Value type | Value | Test atmosphere | Exposure time | Species | Method |
|-----------------------------------------------|----------------------------------------|--------------|-----------------|------------------|---------|------------------------------------------------|
| Propane 74-98-6 | LC50 | > 800000 ppm | gas | 15 min | rat | not specified |
| Propan-2-ol 67-63-0 | LC50 | 72,6 mg/l | | 4 h | rat | not specified |
| Ethanol 64-17-5 | LC50 | 124,7 mg/l | vapour | 4 h | rat | OECD Guideline 403 (Acute Inhalation Toxicity) |
| Butane, n- (< 0.1 % butadiene) 106-97-8 | LC50 | 274200 ppm | gas | 4 h | rat | not specified |
| Butanone 78-93-3 | LC50 | > 20 mg/l | vapour | 4 h | rat | not specified |
| 2-aminoethanol 141-43-5 | Acute toxicity estimate (ATE) | 1,5 mg/l | dust/mist | | | Expert judgement |
| 2-aminoethanol 141-43-5 | LC50 | 1 - 5 mg/l | | 4 h | rat | |

Skin corrosion/irritation:

The mixture is classified based on calculation method referring to the classified substances present in the mixture.

| Hazardous substances CAS-No. | Result | Exposure time | Species | Method |
|---------------------------------|--------------------------|------------------|---------|----------------------------------------------------------|
| Propan-2-ol 67-63-0 | slightly irritating | 4 h | rabbit | OECD Guideline 404 (Acute Dermal Irritation / Corrosion) |
| Ethanol 64-17-5 | not irritating | | rabbit | OECD Guideline 404 (Acute Dermal Irritation / Corrosion) |
| Butanone 78-93-3 | moderately irritating | | rabbit | not specified |
| 2-aminoethanol 141-43-5 | corrosive | 4 h | rabbit | OECD Guideline 404 (Acute Dermal Irritation / Corrosion) |

Serious eye damage/irritation:

The mixture is classified based on calculation method referring to the classified substances present in the mixture.

| Hazardous substances CAS-No. | Result | Exposure time | Species | Method |
|---------------------------------|----------------|------------------|---------|-------------------------------------------------------|
| Propan-2-ol 67-63-0 | Category II | | rabbit | OECD Guideline 405 (Acute Eye Irritation / Corrosion) |
| Ethanol 64-17-5 | irritating | | rabbit | OECD Guideline 405 (Acute Eye Irritation / Corrosion) |
| Ethanol 64-17-5 | not irritating | | rabbit | OECD Guideline 405 (Acute Eye Irritation / Corrosion) |
| Butanone 78-93-3 | irritating | | rabbit | OECD Guideline 405 (Acute Eye Irritation / Corrosion) |
| 2-aminoethanol 141-43-5 | corrosive | | rabbit | OECD Guideline 405 (Acute Eye Irritation / Corrosion) |

Respiratory or skin sensitization:

The mixture is classified based on threshold limits referring to the classified substances present in the mixture.

| Hazardous substances CAS-No. | Result | Test type | Species | Method |
|---------------------------------|-----------------|---------------------------------------|------------|--------------------------------------------------------------------|
| Propan-2-ol 67-63-0 | not sensitising | Buehler test | guinea pig | OECD Guideline 406 (Skin Sensitisation) |
| Ethanol 64-17-5 | not sensitising | Guinea pig maximisation test | guinea pig | OECD Guideline 406 (Skin Sensitisation) |
| Ethanol 64-17-5 | not sensitising | Mouse local lymphnode assay (LLNA) | mouse | OECD Guideline 429 (Skin Sensitisation: Local Lymph Node Assay) |
| Butanone 78-93-3 | not sensitising | Guinea pig maximisation test | guinea pig | not specified |
| 2-aminoethanol 141-43-5 | not sensitising | Guinea pig maximisation test | guinea pig | not specified |

Germ cell mutagenicity:

The mixture is classified based on threshold limits referring to the classified substances present in the mixture.

| Hazardous substances CAS-No. | Result | Type of study / Route of administration | Metabolic activation / Exposure time | Species | Method |
|-----------------------------------------------|---------------|--------------------------------------------------------|-----------------------------------------------------|----------------------------|-----------------------------------------------------------------------------|
| Propane 74-98-6 | negative | bacterial reverse mutation assay (e.g Ames test) | with and without | | OECD Guideline 471 (Bacterial Reverse Mutation Assay) |
| Propane 74-98-6 | negative | in vitro mammalian chromosome aberration test | with and without | | OECD Guideline 473 (In vitro Mammalian Chromosome Aberration Test) |
| Propan-2-ol 67-63-0 | negative | bacterial reverse mutation assay (e.g Ames test) | with and without | | OECD Guideline 471 (Bacterial Reverse Mutation Assay) |
| Propan-2-ol 67-63-0 | negative | mammalian cell gene mutation assay | with and without | | OECD Guideline 476 (In vitro Mammalian Cell Gene Mutation Test) |
| Ethanol 64-17-5 | negative | bacterial reverse mutation assay (e.g Ames test) | | | OECD Guideline 471 (Bacterial Reverse Mutation Assay) |
| Ethanol 64-17-5 | negative | in vitro mammalian chromosome aberration test | without | | OECD Guideline 473 (In vitro Mammalian Chromosome Aberration Test) |
| Ethanol 64-17-5 | negative | mammalian cell gene mutation assay | with and without | | OECD Guideline 476 (In vitro Mammalian Cell Gene Mutation Test) |
| Butane, n- (< 0.1 % butadiene) 106-97-8 | negative | bacterial reverse mutation assay (e.g Ames test) | with and without | | OECD Guideline 471 (Bacterial Reverse Mutation Assay) |
| Butane, n- (< 0.1 % butadiene) 106-97-8 | negative | in vitro mammalian chromosome aberration test | with and without | | OECD Guideline 473 (In vitro Mammalian Chromosome Aberration Test) |
| Butanone 78-93-3 | negative | bacterial reverse mutation assay (e.g Ames test) | with and without | | OECD Guideline 471 (Bacterial Reverse Mutation Assay) |
| 2-aminoethanol 141-43-5 | negative | bacterial reverse mutation assay (e.g Ames test) | with and without | | OECD Guideline 471 (Bacterial Reverse Mutation Assay) |
| 2-aminoethanol 141-43-5 | negative | in vitro mammalian chromosome aberration test | without | | OECD Guideline 473 (In vitro Mammalian Chromosome Aberration Test) |
| 2-aminoethanol 141-43-5 | negative | mammalian cell gene mutation assay | with and without | | OECD Guideline 476 (In vitro Mammalian Cell Gene Mutation Test) |
| Propane 74-98-6 | negative | | | Drosophila melanogaster | not specified |
| Propane 74-98-6 | negative | inhalation: gas | | rat | OECD Guideline 474 (Mammalian Erythrocyte Micronucleus Test) |
| Propan-2-ol 67-63-0 | negative | intraperitoneal | | mouse | OECD Guideline 474 (Mammalian Erythrocyte Micronucleus Test) |
| Ethanol 64-17-5 | negative | | | | OECD Guideline 475 (Mammalian Bone Marrow Chromosome Aberration Test) |
| Butane, n- (< 0.1 % butadiene) 106-97-8 | negative | | | Drosophila melanogaster | not specified |
| Butane, n- (< 0.1 % butadiene) 106-97-8 | negative | inhalation: gas | | rat | OECD Guideline 474 (Mammalian Erythrocyte Micronucleus Test) |
| 2-aminoethanol 141-43-5 | negative | oral: gavage | | mouse | OECD Guideline 474 (Mammalian Erythrocyte Micronucleus Test) |

Carcinogenicity

The mixture is classified based on threshold limits referring to the classified substances present in the mixture.

| Hazardous components CAS-No. | Result | Route of application | Exposure time / Frequency of treatment | Species | Sex | Method |
|---------------------------------|--------|-------------------------|-------------------------------------------------|---------|-------------|----------------------------------------------------|
| Propan-2-ol 67-63-0 | | inhalation: vapour | 104 w 6 h/d, 5 d/w | rat | male/female | OECD Guideline 451 (Carcinogenicity Studies) |
| Ethanol 64-17-5 | | oral: unspecified | | rat | | not specified |
| Ethanol 64-17-5 | | dermal | | mouse | female | not specified |
| Ethanol 64-17-5 | | inhalation | | mouse | male | not specified |

Reproductive toxicity:

The mixture is classified based on threshold limits referring to the classified substances present in the mixture.

| Hazardous substances CAS-No. | Result / Value | Test type | Route of application | Species | Method |
|-----------------------------------------------|-------------------------------------------------------------------|----------------------------|----------------------------|---------|-----------------------------------------------------------------------------------------------------------------------------------------|
| Propane 74-98-6 | NOAEL P 21,6 mg/l NOAEL F1 21,6 mg/l | screening | inhalation: gas | rat | OECD Guideline 422 (Combined Repeated Dose Toxicity Study with the Reproduction / Developmental Toxicity Screening Test) |
| Propan-2-ol 67-63-0 | NOAEL P 853 mg/kg | One generation study | oral: drinking water | rat | OECD Guideline 415 (One- Generation Reproduction Toxicity Study) |
| Propan-2-ol 67-63-0 | NOAEL P 500 mg/kg NOAEL F1 1.000 mg/kg | Two generation study | oral: gavage | rat | OECD Guideline 416 (Two- Generation Reproduction Toxicity Study) |
| Ethanol 64-17-5 | NOAEL P 13.800 mg/kg | Two generation study | oral: unspecified | mouse | OECD Guideline 416 (Two- Generation Reproduction Toxicity Study) |
| Butane, n- (< 0.1 % butadiene) 106-97-8 | NOAEL P 21,4 mg/l NOAEL F1 21,4 mg/l | screening | inhalation: gas | rat | OECD Guideline 422 (Combined Repeated Dose Toxicity Study with the Reproduction / Developmental Toxicity Screening Test) |
| 2-aminoethanol 141-43-5 | NOAEL P 300 mg/kg NOAEL F1 1.000 mg/kg NOAEL F2 1.000 mg/kg | Two generation study | oral: feed | rat | OECD Guideline 416 (Two- Generation Reproduction Toxicity Study) |

STOT-single exposure:

No data available.

STOT-repeated exposure::

The mixture is classified based on threshold limits referring to the classified substances present in the mixture.

| Hazardous substances CAS-No. | Result / Value | Route of application | Exposure time / Frequency of treatment | Species | Method |
|----------------------------------------------|-----------------|-------------------------|----------------------------------------------|---------|-----------------------------------------------------------------------------------------------------------------------------------------|
| Propane 74-98-6 | | inhalation: gas | 28 d 6 h/d, 7 d/w | rat | OECD Guideline 422 (Combined Repeated Dose Toxicity Study with the Reproduction / Developmental Toxicity Screening Test) |
| Propan-2-ol 67-63-0 | | inhalation: vapour | at least 104 w 6 h/d, 5 d/w | rat | not specified |
| Butane, n- (<0.1 % butadiene) 106-97-8 | | inhalation: gas | 28 d | rat | OECD Guideline 422 (Combined Repeated Dose Toxicity Study with the Reproduction / Developmental Toxicity Screening Test) |
| Butanone 78-93-3 | NOAEL 2500 ppm | inhalation | 90 days 6 hours/day, 5 days/week | rat | not specified |
| 2-aminoethanol 141-43-5 | NOAEL 300 mg/kg | oral: feed | > 75 d daily | rat | other guideline: |

Aspiration hazard:

The mixture is classified based on Viscosity data.

| Hazardous substances CAS-No. | Viscosity (kinematic) Value | Temperature | Method | Remarks |
|---------------------------------|--------------------------------|-------------|---------------------|---------|
| Butanone 78-93-3 | 0,51 mm ² /s | 20 °C | ASTM Standard D7042 | |

SECTION 12: Ecological information

General ecological information:

Do not empty into drains / surface water / ground water.

12.1. Toxicity

Toxicity (Fish):

The mixture is classified based on calculation method referring to the classified substances present in the mixture.

| Hazardous substances CAS-No. | Value type | Value | Exposure time | Species | Method |
|--------------------------------------------|---------------|-----------------------|---------------|---------------------|-----------------------------------------------------------------------------------------|
| Methylal 109-87-5 | LC50 | 6.990 mg/l | 96 h | Pimephales promelas | OECD Guideline 203 (Fish, Acute Toxicity Test) |
| 1,3-Dioxolane 646-06-0 | LC50 | > 95,4 mg/l | 96 h | Lepomis macrochirus | OECD Guideline 203 (Fish, Acute Toxicity Test) |
| Propan-2-ol 67-63-0 | LC50 | > 9.640 - 10.000 mg/l | 96 h | Pimephales promelas | OECD Guideline 203 (Fish, Acute Toxicity Test) |
| Ethanol 64-17-5 | LC50 | 14.200 mg/l | 96 h | Pimephales promelas | EPA-660 (Methods for Acute Toxicity Tests with Fish, Macroinvertebrates and Amphibians) |
| Ethanol 64-17-5 | NOEC | 250 mg/l | 120 h | Danio rerio | OECD Guideline 212 (Fish, Short-term Toxicity Test on Embryo and Sac-Fry Stages) |
| Butane, n- (< 0.1 % butadiene) 106-97-8 | LC50 | 27,98 mg/l | 96 h | | not specified |
| Butanone 78-93-3 | LC50 | 3.220 mg/l | 96 h | Pimephales promelas | OECD Guideline 203 (Fish, Acute Toxicity Test) |
| 2-aminoethanol 141-43-5 | LC50 | > 250 mg/l | 48 h | Leuciscus idus | DIN 38412-15 |
| 2-aminoethanol 141-43-5 | NOEC | 1,24 mg/l | 41 d | Oryzias latipes | OECD Guideline 210 (fish early lite stage toxicity test) |

Toxicity (Daphnia):

The mixture is classified based on calculation method referring to the classified substances present in the mixture.

| Hazardous substances CAS-No. | Value type | Value | Exposure time | Species | Method |
|--------------------------------------------|---------------|------------|---------------|--------------------|------------------------------------------------------------|
| Methylal 109-87-5 | EC50 | > 500 mg/l | 48 h | Daphnia magna | OECD Guideline 202 (Daphnia sp. Acute Immobilisation Test) |
| 1,3-Dioxolane 646-06-0 | EC50 | > 772 mg/l | 48 h | Daphnia magna | OECD Guideline 202 (Daphnia sp. Acute Immobilisation Test) |
| Ethanol 64-17-5 | EC50 | 5.012 mg/l | 48 h | Ceriodaphnia dubia | other guideline: |
| Butane, n- (< 0.1 % butadiene) 106-97-8 | EC50 | 14,22 mg/l | 48 h | | not specified |
| Butanone 78-93-3 | EC50 | 5.091 mg/l | 48 h | Daphnia magna | OECD Guideline 202 (Daphnia sp. Acute Immobilisation Test) |
| 2-aminoethanol 141-43-5 | EC50 | 85 mg/l | 24 h | Daphnia magna | not specified |

Chronic toxicity to aquatic invertebrates

The mixture is classified based on calculation method referring to the classified substances present in the mixture.

| Hazardous substances CAS-No. | Value type | Value | Exposure time | Species | Method |
|---------------------------------|---------------|-----------|---------------|---------------|---------------------------------------------|
| Propan-2-ol 67-63-0 | NOEC | 30 mg/l | 21 d | Daphnia magna | OECD 211 (Daphnia magna, Reproduction Test) |
| Ethanol 64-17-5 | NOEC | 9,6 mg/l | 9 d | Daphnia magna | not specified |
| 2-aminoethanol 141-43-5 | NOEC | 0,85 mg/l | 21 d | Daphnia magna | OECD 211 (Daphnia magna, Reproduction Test) |

Toxicity (Algae):

The mixture is classified based on calculation method referring to the classified substances present in the mixture.

| Hazardous substances CAS-No. | Value type | Value | Exposure time | Species | Method |
|--------------------------------------------|---------------|--------------|---------------|-----------------------------------------------------------------------|---------------------------------------------------|
| Methylal 109-87-5 | EC10 | > 500 mg/l | 96 h | Scenedesmus subspicatus (new name: Desmodesmus subspicatus) | OECD Guideline 201 (Alga, Growth Inhibition Test) |
| 1,3-Dioxolane 646-06-0 | NOEC | 877 mg/l | 72 h | Selenastrum capricornutum (new name: Pseudokirchneriella subcapitata) | OECD Guideline 201 (Alga, Growth Inhibition Test) |
| 1,3-Dioxolane 646-06-0 | ErC50 | > 877 mg/l | 72 h | Selenastrum capricornutum (new name: Pseudokirchneriella subcapitata) | OECD Guideline 201 (Alga, Growth Inhibition Test) |
| Propan-2-ol 67-63-0 | EC50 | > 1.000 mg/l | 96 h | Scenedesmus subspicatus (new name: Desmodesmus subspicatus) | OECD Guideline 201 (Alga, Growth Inhibition Test) |
| Propan-2-ol 67-63-0 | NOEC | 1.000 mg/l | 96 h | Scenedesmus subspicatus (new name: Desmodesmus subspicatus) | OECD Guideline 201 (Alga, Growth Inhibition Test) |
| Ethanol 64-17-5 | EC50 | 275 mg/l | 72 h | Chlorella vulgaris | OECD Guideline 201 (Alga, Growth Inhibition Test) |
| Ethanol 64-17-5 | EC10 | 11,5 mg/l | 72 h | Chlorella vulgaris | OECD Guideline 201 (Alga, Growth Inhibition Test) |
| Butane, n- (< 0.1 % butadiene) 106-97-8 | EC50 | 7,71 mg/l | 96 h | | not specified |
| Butanone 78-93-3 | EC50 | > 1.000 mg/l | | | OECD Guideline 201 (Alga, Growth Inhibition Test) |
| 2-aminoethanol 141-43-5 | EC50 | 2,5 mg/l | 72 h | Selenastrum capricornutum (new name: Pseudokirchneriella subcapitata) | OECD Guideline 201 (Alga, Growth Inhibition Test) |
| 2-aminoethanol 141-43-5 | NOEC | 1 mg/l | 72 h | Selenastrum capricornutum (new name: Pseudokirchneriella subcapitata) | OECD Guideline 201 (Alga, Growth Inhibition Test) |

Toxicity to microorganisms

The mixture is classified based on calculation method referring to the classified substances present in the mixture.

| Hazardous substances CAS-No. | Value type | Value | Exposure time | Species | Method |
|---------------------------------|---------------|--------------|---------------|------------------|--------------------------------------------------------------------|
| Methylal 109-87-5 | EC10 | 3.000 mg/l | 17 h | | DIN 38412, part 8 (Pseudomonas Zellvermehrungshemm-Test) |
| Propan-2-ol 67-63-0 | EC50 | > 1.000 mg/l | 3 h | activated sludge | OECD Guideline 209 (Activated Sludge, Respiration Inhibition Test) |
| Ethanol 64-17-5 | IC50 | > 1.000 mg/l | 3 h | activated sludge | OECD Guideline 209 (Activated Sludge, Respiration Inhibition Test) |
| Butanone 78-93-3 | EC 50 | > 1.000 mg/l | | | OECD Guideline 209 (Activated Sludge, Respiration Inhibition Test) |
| 2-aminoethanol 141-43-5 | EC 50 | > 1.000 mg/l | 3 h | | OECD Guideline 209 (Activated Sludge, Respiration Inhibition Test) |

12.2. Persistence and degradability

No data available.

| Hazardous substances CAS-No. | Result | Test type | Degradability | Exposure time | Method |
|---------------------------------|-----------------------|-----------|---------------|------------------|------------------------------------------------------------------------------------|
| Methylal 109-87-5 | | | 88 % | 30 d | OECD 301 A - F |
| 1,3-Dioxolane 646-06-0 | | aerobic | 20 % | | OECD Guideline 301 C (Ready Biodegradability: Modified MITI Test (I)) |
| Propan-2-ol 67-63-0 | readily biodegradable | aerobic | 70 - 84 % | 30 d | EU Method C.4-E (Determination of the "Ready" Biodegradability Closed Bottle Test) |
| Ethanol 64-17-5 | readily biodegradable | aerobic | 80 - 85 % | 30 d | OECD Guideline 301 D (Ready Biodegradability: Closed Bottle Test) |
| Butanone 78-93-3 | readily biodegradable | aerobic | > 60 % | | OECD 301 A - F |
| 2-aminoethanol 141-43-5 | readily biodegradable | aerobic | > 80 % | 19 d | OECD Guideline 301 B (Ready Biodegradability: CO2 Evolution Test) |

12.3. Bioaccumulative potential

Does not bioaccumulate.

No substance data available.

12.4. Mobility in soil

The product evaporates readily.

| Hazardous substances CAS-No. | LogPow | Temperature | Method |
|---------------------------------|--------|-------------|------------------------------------------------------------------------------------|
| 1,3-Dioxolane 646-06-0 | -0,35 | | not specified |
| Propan-2-ol 67-63-0 | 0,05 | | OECD Guideline 107 (Partition Coefficient (n-octanol / water), Shake Flask Method) |
| Ethanol 64-17-5 | -0,35 | 24 °C | not specified |
| Butanone 78-93-3 | 0,29 | | not specified |
| 2-aminoethanol 141-43-5 | -1,91 | 25 °C | OECD Guideline 107 (Partition Coefficient (n-octanol / water), Shake Flask Method) |

12.5. Results of PBT and vPvB assessment

| Hazardous substances CAS-No. | PBT / vPvB |
|--------------------------------------------|-----------------------------------------------------------------------------------------------------------------------|
| Propane 74-98-6 | Not fulfilling Persistent, Bioaccumulative and Toxic (PBT), very Persistent and very Bioaccumulative (vPvB) criteria. |
| Propan-2-ol 67-63-0 | Not fulfilling Persistent, Bioaccumulative and Toxic (PBT), very Persistent and very Bioaccumulative (vPvB) criteria. |
| Ethanol 64-17-5 | Not fulfilling Persistent, Bioaccumulative and Toxic (PBT), very Persistent and very Bioaccumulative (vPvB) criteria. |
| Butane, n- (< 0.1 % butadiene) 106-97-8 | Not fulfilling Persistent, Bioaccumulative and Toxic (PBT), very Persistent and very Bioaccumulative (vPvB) criteria. |
| Butanone 78-93-3 | Not fulfilling Persistent, Bioaccumulative and Toxic (PBT), very Persistent and very Bioaccumulative (vPvB) criteria. |
| 2-aminoethanol 141-43-5 | Not fulfilling Persistent, Bioaccumulative and Toxic (PBT), very Persistent and very Bioaccumulative (vPvB) criteria. |

12.6. Other adverse effects

No data available.

SECTION 13: Disposal considerations

13.1. Waste treatment methods

Product disposal:

Dispose of in accordance with local and national regulations.

Collection and delivery to recycling enterprise or other registered elimination institution.

Disposal of uncleaned packages:

After use, tubes, cartons and bottles containing residual product should be disposed of as chemically contaminated waste in an authorised legal land fill site or incinerated.

Disposal must be made according to official regulations.

Waste code

14 06 03 - other solvents and solvent mixtures

The valid EWC waste code numbers are source-related. The manufacturer is therefore unable to specify EWC waste codes for the articles or products used in the various sectors. The EWC codes listed are intended as a recommendation for users. We will be happy to advise you.

SECTION 14: Transport information**14.1. UN number**

| | |
|------|------|
| ADR | 1950 |
| RID | 1950 |
| ADN | 1950 |
| IMDG | 1950 |
| IATA | 1950 |

14.2. UN proper shipping name

| | |
|------|---------------------|
| ADR | AEROSOLS |
| RID | AEROSOLS |
| ADN | AEROSOLS |
| IMDG | AEROSOLS |
| IATA | Aerosols, flammable |

14.3. Transport hazard class(es)

| | |
|------|-----|
| ADR | 2.1 |
| RID | 2.1 |
| ADN | 2.1 |
| IMDG | 2.1 |
| IATA | 2.1 |

14.4. Packing group

ADR
RID
ADN
IMDG
IATA

14.5. Environmental hazards

| | |
|------|----------------|
| ADR | not applicable |
| RID | not applicable |
| ADN | not applicable |
| IMDG | not applicable |
| IATA | not applicable |

14.6. Special precautions for user

| | |
|-----|----------------|
| ADR | not applicable |
|-----|----------------|

| | |
|------|------------------------------------------|
| | Tunnelcode: (D) |
| RID | not applicable |
| ADN | not applicable |
| IMDG | IMDG-Code: Segregation group 18- Alkalis |
| IATA | not applicable |

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

not applicable

SECTION 15: Regulatory information**15.1. Safety, health and environmental regulations/legislation specific for the substance or mixture**

VOC content 92,09 %
(2010/75/EC)

15.2. Chemical safety assessment

A chemical safety assessment has not been carried out.

SECTION 16: Other information

The labelling of the product is indicated in Section 2. The full text of all abbreviations indicated by codes in this safety data sheet are as follows:

H220 Extremely flammable gas.
H225 Highly flammable liquid and vapor.
H302 Harmful if swallowed.
H312 Harmful in contact with skin.
H314 Causes severe skin burns and eye damage.
H318 Causes serious eye damage.
H319 Causes serious eye irritation.
H332 Harmful if inhaled.
H335 May cause respiratory irritation.
H336 May cause drowsiness or dizziness.
H412 Harmful to aquatic life with long lasting effects.

Further information:

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