

THIODIGLYCOL UNLABELED 1 MG/ML IN **METHANOL**

Safety Data Sheet

according to Regulation (EC) No. 1907/2006 (REACH) with its amendment Regulation (EU) 2015/830 and according to Federal Register / Vol. 77, No. 58 / Monday, March 26, 2012 / Rules and Regulations Date of issue: 13/02/2019 Revision date: Version: 1.0

ULM-10787-S

| SECTION 1: Iden | tification of the substance/mixture and of the company/undertaking |
|---|--|
| 1.1. Product ide | |
| Product form | : Mixtures |
| Product name | : THIODIGLYCOL UNLABELED 1 MG/ML IN METHANOL |
| Product code | : ULM-10787-S |
| 1.2. Relevant id | entified uses of the substance or mixture and uses advised against |
| 1.2.1. Relevant id | entified uses |
| Main use category | : Professional use |
| Industrial/Professional | |
| | |
| 1.2.2. Uses advise | |
| No additional informati | ion available |
| 1.3. Details of the | ne supplier of the safety data sheet |
| Cambridge Isotope La | boratories, Inc. |
| 50 Frontage Road Andover, MA 01810 | |
| USA | |
| | Int: 1-978-749-8000 |
| cilsales@isotope.com | |
| Emergency | telephone number |
| | |
| | |
| Emergency numbers: | |
| Emergency numbers: Chemtrec: 1-800-424 | -9300 (24 hours) |
| Emergency numbers: Chemtrec: 1-800-424 International: 1-703-7 | -9300 (24 hours) 41-5970 (24 hours) |
| Emergency numbers: Chemtrec: 1-800-424 International: 1-703-7 SECTION 2: Haza | -9300 (24 hours) 41-5970 (24 hours) ards identification |
| Emergency numbers: Chemtrec: 1-800-424 International: 1-703-7 SECTION 2: Haza 2.1. Classification | -9300 (24 hours) 41-5970 (24 hours) ards identification on of the substance or mixture |
| Emergency numbers: Chemtrec: 1-800-424 International: 1-703-7 SECTION 2: Haza 2.1. Classification Classification accord | -9300 (24 hours) 41-5970 (24 hours) ards identification on of the substance or mixture ling to Regulation (EC) No. 1272/2008 [CLP] |
| Emergency numbers: Chemtrec: 1-800-424 International: 1-703-7 SECTION 2: Hazz 2.1. Classification Classification accord Flam. Liq. 2 | -9300 (24 hours) 41-5970 (24 hours) ards identification on of the substance or mixture ling to Regulation (EC) No. 1272/2008 [CLP] H225 |
| Emergency numbers: Chemtrec: 1-800-424 International: 1-703-7 SECTION 2: Haza 2.1. Classification Classification accord Flam. Liq. 2 Acute Tox. 3 (Oral) | -9300 (24 hours) 41-5970 (24 hours) ards identification on of the substance or mixture ling to Regulation (EC) No. 1272/2008 [CLP] H225 H301 |
| Emergency numbers: Chemtrec: 1-800-424 International: 1-703-7 SECTION 2: Haza 2.1. Classification Classification accord Flam. Liq. 2 Acute Tox. 3 (Oral) Acute Tox. 3 (Dermal) | -9300 (24 hours) 41-5970 (24 hours) ards identification on of the substance or mixture ling to Regulation (EC) No. 1272/2008 [CLP] H225 H301 H311 |
| Emergency numbers: Chemtrec: 1-800-424 International: 1-703-7 SECTION 2: Haza 2.1. Classification Classification accord Flam. Liq. 2 Acute Tox. 3 (Oral) Acute Tox. 3 (Inhalation | -9300 (24 hours) 41-5970 (24 hours) ards identification on of the substance or mixture ling to Regulation (EC) No. 1272/2008 [CLP] H225 H301 H311 on) H331 |
| Emergency numbers: Chemtrec: 1-800-424 International: 1-703-7 SECTION 2: Haza 2.1. Classification Classification accord Flam. Liq. 2 Acute Tox. 3 (Oral) Acute Tox. 3 (Dermal) Acute Tox. 3 (Inhalatic Skin Irrit. 2 | -9300 (24 hours) 41-5970 (24 hours) ards identification on of the substance or mixture ling to Regulation (EC) No. 1272/2008 [CLP] H225 H301 H311 vn) H331 H315 |
| Emergency numbers: Chemtrec: 1-800-424 International: 1-703-7 SECTION 2: Haze 2.1. Classification Classification accord Flam. Liq. 2 Acute Tox. 3 (Oral) Acute Tox. 3 (Dermal) Acute Tox. 3 (Inhalatic Skin Irrit. 2 Eye Irrit. 2 | -9300 (24 hours) 41-5970 (24 hours) ards identification on of the substance or mixture ting to Regulation (EC) No. 1272/2008 [CLP] H225 H301 H311 on) H331 H315 H319 |
| Emergency numbers: Chemtrec: 1-800-424 International: 1-703-7 SECTION 2: Haza 2.1. Classification Classification accord Flam. Liq. 2 Acute Tox. 3 (Oral) Acute Tox. 3 (Dermal) Acute Tox. 3 (Inhalatic Skin Irrit. 2 Eye Irrit. 2 STOT SE 1 | -9300 (24 hours) 41-5970 (24 hours) ards identification on of the substance or mixture ting to Regulation (EC) No. 1272/2008 [CLP] H225 H301 H311 on) H331 H315 H319 H370 |
| Emergency numbers: Chemtrec: 1-800-424 International: 1-703-7 SECTION 2: Haza 2.1. Classification Classification accord Flam. Liq. 2 Acute Tox. 3 (Oral) Acute Tox. 3 (Dermal) Acute Tox. 3 (Inhalatic Skin Irrit. 2 Eye Irrit. 2 STOT SE 1 | -9300 (24 hours) 41-5970 (24 hours) ards identification on of the substance or mixture ting to Regulation (EC) No. 1272/2008 [CLP] H225 H301 H311 on) H331 H315 H319 |
| Emergency numbers: Chemtrec: 1-800-424 International: 1-703-7 SECTION 2: Haza 2.1. Classification Classification accord Flam. Liq. 2 Acute Tox. 3 (Oral) Acute Tox. 3 (Oral) Acute Tox. 3 (Dermal) Acute Tox. 3 (Inhalatic Skin Irrit. 2 Eye Irrit. 2 STOT SE 1 Full text of hazard class | -9300 (24 hours) 41-5970 (24 hours) ards identification on of the substance or mixture ting to Regulation (EC) No. 1272/2008 [CLP] H225 H301 H311 on) H331 H315 H319 H370 |
| Emergency numbers: Chemtrec: 1-800-424 International: 1-703-7 SECTION 2: Haza 2.1. Classification Classification accord Flam. Liq. 2 Acute Tox. 3 (Oral) Acute Tox. 3 (Oral) Acute Tox. 3 (Inhalatic Skin Irrit. 2 Eye Irrit. 2 STOT SE 1 Full text of hazard class Classification accord F; R11 | -9300 (24 hours) 41-5970 (24 hours) ards identification on of the substance or mixture ting to Regulation (EC) No. 1272/2008 [CLP] H225 H301 H311 on) H331 H315 H319 H370 sees and H-statements : see section 16 |
| Emergency numbers: Chemtrec: 1-800-424 International: 1-703-7 SECTION 2: Haza 2.1. Classification Classification accord Flam. Liq. 2 Acute Tox. 3 (Oral) Acute Tox. 3 (Oral) Acute Tox. 3 (Dermal) Acute Tox. 3 (Inhalatid Skin Irrit. 2 Eye Irrit. 2 STOT SE 1 Full text of hazard class Classification accord F; R11 T; R39/23/24/25 | -9300 (24 hours) 41-5970 (24 hours) ards identification on of the substance or mixture ting to Regulation (EC) No. 1272/2008 [CLP] H225 H301 H311 on) H331 H315 H319 H370 sees and H-statements : see section 16 |
| Emergency numbers: Chemtrec: 1-800-424 International: 1-703-7 SECTION 2: Haza 2.1. Classification Classification accord Flam. Liq. 2 Acute Tox. 3 (Oral) Acute Tox. 3 (Oral) Acute Tox. 3 (Inhalatic Skin Irrit. 2 Eye Irrit. 2 STOT SE 1 Full text of hazard class Classification accord F; R11 T; R39/23/24/25 Xi; R36/38 | -9300 (24 hours) 41-5970 (24 hours) ards identification on of the substance or mixture ting to Regulation (EC) No. 1272/2008 [CLP] H225 H301 H311 yn) H331 H315 H319 H370 ssees and H-statements : see section 16 ting to Directive 67/548/EEC [DSD] or 1999/45/EC [DPD] |
| Emergency numbers: Chemtrec: 1-800-424 International: 1-703-7 SECTION 2: Haza 2.1. Classification Classification accord Flam. Liq. 2 Acute Tox. 3 (Oral) Acute Tox. 3 (Oral) Acute Tox. 3 (Inhalatic Skin Irrit. 2 Eye Irrit. 2 STOT SE 1 Full text of hazard class Classification accord F; R11 T; R39/23/24/25 | -9300 (24 hours) 41-5970 (24 hours) ards identification on of the substance or mixture ting to Regulation (EC) No. 1272/2008 [CLP] H225 H301 H311 yn) H331 H315 H319 H370 ssees and H-statements : see section 16 ting to Directive 67/548/EEC [DSD] or 1999/45/EC [DPD] |
| Emergency numbers: Chemtrec: 1-800-424 International: 1-703-7 SECTION 2: Haza 2.1. Classification Classification accord Flam. Liq. 2 Acute Tox. 3 (Oral) Acute Tox. 3 (Inhalatic Skin Irrit. 2 Eye Irrit. 2 STOT SE 1 Full text of hazard class Classification accord F; R11 T; R39/23/24/25 Xi; R36/38 | e-9300 (24 hours) 41-5970 (24 hours) ArdS identification on of the substance or mixture ting to Regulation (EC) No. 1272/2008 [CLP] H225 H301 H311 H315 H319 H370 ssees and H-statements : see section 16 ting to Directive 67/548/EEC [DSD] or 1999/45/EC [DPD] see section 16 |

| Flam. Liq. 2 | H225 |
|----------------------------------|------|
| Acute Tox. 3 (Oral) | H301 |
| Acute Tox. 3 (Dermal) | H311 |
| Acute Tox. 3 (Inhalation:vapour) | H331 |
| Skin Irrit. 2 | H315 |
| Eye Irrit. 2A | H319 |
| STOT SE 1 | H370 |

Full text of H statements : see section 16

Safety Data Sheet

according to Regulation (EC) No. 1907/2006 (REACH) with its amendment Regulation (EU) 2015/830 and according to Federal Register / Vol. 77, No. 58 / Monday, March 26, 2012 / Rules and Regulations

Adverse physicochemical, human health and environmental effects

Eyes, Kidney, Liver, Heart, Central nervous system. Highly flammable liquid and vapor. Causes damage to organs (eyes, kidneys, liver, heart, central nervous system) (if inhaled, if swallowed, in contact with skin). Toxic in contact with skin. Toxic if inhaled. Toxic if swallowed. Causes skin irritation. Causes serious eye irritation.

| 2.2. Label elements | |
|---|---|
| Labeling according to Regulation (EC) N | o. 1272/2008 [CLP] |
| Hazard pictograms (CLP) | |
| | |
| | |
| | |
| | |
| | GHS02 GHS08 GHS06 |
| Signal word (CLP) | : Danger |
| Hazardous ingredients | : THIODIGLYCOL UNLABELED; 100% METHANOL UNLABELED |
| Hazard statements (CLP) | : H225 - Highly flammable liquid and vapor |
| | H301+H311+H331 - Toxic if swallowed, in contact with skin or if inhaled |
| | H315 - Causes skin irritation |
| | H319 - Causes serious eye irritation |
| | H370 - Causes damage to organs (eyes, heart, kidneys, liver, central nervous system) (in |
| | contact with skin, if inhaled, if swallowed) |
| Precautionary statements (CLP) | : P210 - Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No |
| | smoking. P233 - Keep container tightly closed. |
| | P235 - Reep container lightly closed. P240 - Ground/bond container and receiving equipment. |
| | P241 - Use explosion-proof electrical, lighting, ventilating equipment |
| | P260 - Do not breathe dust, mist, vapors, fume, gas, spray. |
| | P264 - Wash hands, forearms and face thoroughly after handling. |
| | P270 - Do not eat, drink or smoke when using this product. |
| | P271 - Use only outdoors or in a well-ventilated area. |
| | |
| GHS-US labeling | |
| | |
| Hazard pictograms (GHS-US) | |
| | |
| | |
| | |
| | \mathbf{v} \mathbf{v} \mathbf{v} |
| | GHS02 GHS08 GHS06 |
| Signal word (GHS-US) | : Danger |
| Hazard statements (GHS-US) | : H225 - Highly flammable liquid and vapor |
| | H301+H311+H331 - Toxic if swallowed, in contact with skin or if inhaled |
| | H315 - Causes skin irritation |
| | H319 - Causes serious eye irritation H370 - Causes damage to organs (eyes, kidneys, liver, heart, central nervous system) (Dermal |
| | Inhalation, oral) |
| Propositionary statements (CHS LIS) | |
| Precautionary statements (GHS-US) | P210 - Keep away from heat, open flames, sparks No smoking. P233 - Keep container tightly closed. |
| | P240 - Ground/Bond container and receiving equipment |
| | P241 - Use explosion-proof electrical, lighting, ventilating equipment |
| | P242 - Use only non-sparking tools. |
| | P243 - Take precautionary measures against static discharge. |
| | P260 - Do not breathe dust, fume, mist, gas, spray, vapors. |
| | P261 - Avoid breathing dust, fume, gas, spray, vapors, mist. |
| | P264 - Wash hands, forearms and face thoroughly after handling. P270 - Do not eat, drink or smoke when using this product. |
| | P271 - Use only outdoors or in a well-ventilated area. |
| | P280 - Wear protective clothing, protective gloves. |
| | P301+P310 - If swallowed: Immediately call a doctor, a POISON CENTER |
| | P302+P352 - If on skin: Wash with plenty of water |
| | P303+P361+P353 - If on skin (or hair): Take off immediately all contaminated clothing. Rinse |
| | skin with water/shower P304+P340 - If inhaled: Remove person to fresh air and keep comfortable for breathing |
| | P304+P340 - If inhaled: Remove person to fresh air and keep comfortable for breathing P305+P351+P338 - If in eyes: Rinse cautiously with water for several minutes. Remove contact |
| | lenses, if present and easy to do. Continue rinsing |
| | P307+P311 - If exposed: Call a poison center/doctor |
| | P311 - Call a doctor, a POISON CENTER |
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| P312 - Call a doctor, a POISON CENTER if you feel unwell |
|---|
| P321 - Specific treatment (see Hazardous component(s) for labeling on this label) |
| P322 - Specific treatment (see Hazard pictograms (CLP) on this label) |
| P330 - Rinse mouth. |
| P332+P313 - If skin irritation occurs: Get medical advice/attention. |
| P337+P313 - If eye irritation persists: Get medical advice/attention. |
| P361+P364 - Take off immediately all contaminated clothing and wash it before reuse. |
| P362+P364 - Take off contaminated clothing and wash it before reuse. |
| P370+P378 - In case of fire: Use alcohol resistant foam, carbon dioxide (CO2), dry |
| extinguishing powder to extinguish. |
| P403+P233 - Store in a well-ventilated place. Keep container tightly closed. |
| P403+P235 - Store in a well-ventilated place. Keep cool. |
| P405 - Store locked up. |
| P501 - Dispose of contents/container to hazardous or special waste collection point, in |
| accordance with local, regional, national and/or international regulation |
| |

2.3. **Other hazards**

PBT: not relevant - no registration required

SECTION 3: Composition/Information on ingredients

Substances 3.1.

Not applicable 2.2 NA:-----

| 3.2. Mixtures | | | |
|-------------------------|---|-------|--|
| Name | Product identifier | % | Classification according to Directive 67/548/EEC |
| 100% METHANOL UNLABELED | (CAS-No.) 67-56-1 (EC-No.) 200-659-6 (EC Index-No.) 603-001-00-X (REACH-no) 01-2119433307-44 | 99.87 | F; R11 T; R39/23/24/25 Xi; R36/38 |
| THIODIGLYCOL UNLABELED | (CAS-No.) 111-48-8 (EC-No.) 203-874-3 (EC Index-No.) 603-081-00-6 | 0.13 | Xi; R36 |
| Name | Product identifier | % | Classification according to Regulation (EC) No. 1272/2008 [CLP] |
| 100% METHANOL UNLABELED | (CAS-No.) 67-56-1 (EC-No.) 200-659-6 (EC Index-No.) 603-001-00-X (REACH-no) 01-2119433307-44 | 99.87 | Flam. Liq. 2, H225 Acute Tox. 3 (Oral), H301 Acute Tox. 3 (Dermal), H311 Acute Tox. 3 (Inhalation:vapour), H331 Skin Irrit. 2, H315 Eye Irrit. 2, H319 STOT SE 1, H370 |
| THIODIGLYCOL UNLABELED | (CAS-No.) 111-48-8 (EC-No.) 203-874-3 (EC Index-No.) 603-081-00-6 | 0.13 | Eye Irrit. 2, H319 |
| Name | Product identifier | % | GHS-US classification |
| 100% METHANOL UNLABELED | (CAS-No.) 67-56-1 | 99.87 | Flam. Liq. 2, H225 Acute Tox. 3 (Oral), H301 Acute Tox. 3 (Dermal), H311 Acute Tox. 3 (Inhalation:vapour), H331 Skin Irrit. 2, H315 Eye Irrit. 2A, H319 STOT SE 1, H370 |
| THIODIGLYCOL UNLABELED | (CAS-No.) 111-48-8 | 0.13 | Eye Irrit. 2A, H319 STOT RE 2, H373 |

Full text of R- and H- phrases: see section 16

| SECTION 4: First aid measures | |
|--|---|
| 4.1. Description of first aid measures | |
| First-aid measures general | If medical advice is needed, have product container or label at hand. Call a physician immediately. Evacuate danger area. |
| First-aid measures after inhalation | : Remove person to fresh air and keep comfortable for breathing. If not breathing, give artificial respiration. Call a doctor. |
| First-aid measures after skin contact | : Rinse skin with water/shower. Take immediately victim to hospital. Remove/Take off immediately all contaminated clothing. If skin irritation occurs: Get medical advice/attention. |
| First-aid measures after eye contact | : Immediately flush eyes thoroughly with water for at least 15 minutes. Remove contact lenses, if present and easy to do. Continue rinsing. If eye irritation persists: Get medical advice/attention. |
| | |

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| First-aid measures after ingestion | : Do not induce vomiting. Never give anything by mouth to an unconscious person. Rinse mouth. Call a physician immediately. |
|--|--|
| 4.2. Most important symptoms and effective | cts, both acute and delayed |
| Symptoms/effects | : Causes damage to organs (Eyes, heart, central nervous system, liver, kidneys) through prolonged or repeated exposure (in contact with skin, if inhaled, if swallowed). |
| Symptoms/effects after inhalation | : Toxic if inhaled. |
| Symptoms/effects after skin contact | : Toxic in contact with skin. Causes skin irritation. |
| Symptoms/effects after eye contact | : Causes serious eye irritation. |
| Symptoms/effects after ingestion | : Toxic if swallowed. |

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

Treat symptomatically.

| SECTION 5: Firefighting measures | |
|--|---|
| 5.1. Extinguishing media | |
| Suitable extinguishing media | : Dry powder. Dry sand. |
| Unsuitable extinguishing media | : Do not use a heavy water stream. |
| 5.2. Special hazards arising from the sub | ostance or mixture |
| Fire hazard | : Highly flammable liquid and vapor. |
| Reactivity | : Vapors may form flammable mixture with air. Highly flammable liquid and vapor. |
| 5.3. Advice for firefighters | |
| Firefighting instructions | : Do not enter fire area without proper protective equipment, including respiratory protection. |
| Protection during firefighting | : Do not attempt to take action without suitable protective equipment. Self-contained breathing apparatus. Complete protective clothing. Wear recommended personal protective equipment. |
| Other information | : Use water spray to cool exposed surfaces. |
| SECTION 6: Accidental release meas | sures |
| 6.1. Personal precautions, protective equ | Jipment and emergency procedures |
| 6.1.1. For non-emergency personnel | |
| Emergency procedures | : Wear respiratory protection. Do not breathe dust, mist, gas, spray, vapors, fume. Avoid contact with skin, eyes and clothing. Ventilate spillage area. Remove all sources of ignition. No open flames, no sparks, and no smoking. Ensure adequate air ventilation. Special attention should be given to low areas/pits where flammable vapors can accumulate. |
| 6.1.2. For emergency responders | |
| Protective equipment | : Do not attempt to take action without suitable protective equipment. For further information refer to section 8: "Exposure controls/personal protection". |
| 6.2. Environmental precautions | |
| Prevent entry to sewers and public waters. Do no | t allow to enter drains or water courses. Avoid release to the environment. |
| 6.3. Methods and material for containme | nt and cleaning up |
| For containment | : Dike and contain spill. |
| Methods for cleaning up | : Take up liquid spill into absorbent material. Notify authorities if product enters sewers or public waters. This material and its container must be disposed of in a safe way, and as per local legislation. |
| Other information | : Dispose of materials or solid residues at an authorized site. |
| 6.4. Reference to other sections | |
| For further information refer to section 13. | |
| SECTION 7: Handling and storage | |
| 7.1. Precautions for safe handling | |
| Precautions for safe handling | : Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking. Ground/bond container and receiving equipment. Use only non-sparking tools. Take precautionary measures against static discharge. Flammable vapors may accumulate in the container. Use explosion-proof equipment. Wear personal protective equipment. Do not breathe dust, fume, gas, spray, vapors, mist. Do not get in eyes, on skin, or on clothing. Use only outdoors or in a well-ventilated area. |
| Hygiene measures | : Avoid contact with skin, eyes and clothing. Wash hands before breaks and immediately after handling the product. Wash contaminated clothing before reuse. Do not eat, drink or smoke when using this product. Always wash hands after handling the product. |
| 7.2. Conditions for safe storage, includin | g any incompatibilities |
| Technical measures | : Ground/bond container and receiving equipment. Store in a well-ventilated place. Keep container tightly closed. Store locked up. |
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Storage conditions

: Store at room temperature away from light and moisture.

7.3. Specific end use(s)

No additional information available

| .1. Control parameters | ontrols/personal protection | |
|------------------------------|---------------------------------------|---|
| THIODIGLYCOL UNLABELEI | 0 1 MG/ML IN METHANOL | |
| Italy - Portugal - USA ACGIH | ACGIH TWA (ppm) | 200.00000000 ppm Basis: USA. ACGIH Threshold Limit Values (TLV) |
| Italy - Portugal - USA ACGIH | ACGIH STEL (ppm) | 250 ppm Basis: USA. ACGIH Threshold Limit Values (TLV) |
| Italy - Portugal - USA ACGIH | Remark (ACGIH) | Headache. Nausea. Dizziness. Eye damage. Substances for which there is a Biological Exposure Index or Indices (see BEI section). Danger of cutaneous absorption. |
| USA NIOSH | NIOSH REL (TWA) (mg/m ³) | 260 mg/m ³ Basis: NIOSH Recommended Exposure Limits |
| USA NIOSH | NIOSH REL (TWA) (ppm) | 200 ppm Basis: NIOSH Recommended Exposure Limits |
| USA NIOSH | NIOSH REL (STEL) (mg/m ³) | 325 mg/m ³ Basis: NIOSH Recommended Exposure Limits |
| USA NIOSH | NIOSH REL (STEL) (ppm) | 250 ppm Basis: NIOSH Recommended Exposure Limits |
| USA NIOSH | Remark (NIOSH) | Potential for dermal absorption. |
| USA OSHA | OSHA PEL (TWA) (mg/m³) | 260 mg/m ³ Basis: USA. Occupational Exposure Limits (OSHA) - Table Z-1 Limits for Air Contaminants - 1910.1000. California permissible exposure limits for chemical contaminants (Title 8, Article 107) |
| USA OSHA | OSHA PEL (TWA) (ppm) | 200 ppm Basis: USA. Occupational Exposure Limits (OSHA) - Table Z-1 Limits for Air Contaminants - 1910.1000. California permissible exposure limits for chemical contaminants (Title 8, Article 107) |
| USA OSHA | OSHA PEL (STEL) (mg/m³) | 325 mg/m ³ Basis: USA. OSHA - Table Z-1 Limits for Air Contaminants - 1910.1000. California permissible exposure limits for chemical contaminants (Title 8, Article 107) |
| USA OSHA | OSHA PEL (STEL) (ppm) | 250 ppm Basis: USA. OSHA - Table Z-1 Limits for Air Contaminants - 1910.1000. California permissible exposure limits for chemical contaminants (Title 8, Article 107) |
| USA OSHA | OSHA PEL (Ceiling) (ppm) | 1000 ppm California permissible exposure limits for chemical contaminants (Title 8, Article 107) |
| USA OSHA | Remark (OSHA) | The value in mg/m3 is approximate. Skin notation. |
| 100% METHANOL UNLABEL | ED (67-56-1) | |
| Italy - Portugal - USA ACGIH | ACGIH TWA (ppm) | 200.00000000 ppm Basis: USA. ACGIH Threshold Limit Values (TLV) |
| Italy - Portugal - USA ACGIH | ACGIH STEL (ppm) | 250 ppm Basis: USA. ACGIH Threshold Limit Values (TLV) |
| Italy - Portugal - USA ACGIH | Remark (ACGIH) | Headache. Nausea. Dizziness. Eye damage. Substances for which there is a Biological Exposure Index or Indices (see BEI section). Danger of cutaneous absorption. |
| USA NIOSH | NIOSH REL (TWA) (mg/m ³) | 260 mg/m ³ Basis: NIOSH Recommended Exposure Limits |
| USA NIOSH | NIOSH REL (TWA) (ppm) | 200 ppm Basis: NIOSH Recommended Exposure Limits |
| USA NIOSH | NIOSH REL (STEL) (mg/m ³) | 325 mg/m ³ Basis: NIOSH Recommended Exposure Limits |
| USA NIOSH | NIOSH REL (STEL) (ppm) | 250 ppm Basis: NIOSH Recommended Exposure Limits |
| USA NIOSH | Remark (NIOSH) | Potential for dermal absorption. |

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| 100% METHANOL UNL | ABELED (67-56-1) | | |
|--|--------------------|-----------------------------|---|
| USA OSHA | OSHA PEL (T | NA) (mg/m³) | 260 mg/m ³ Basis: USA. Occupational Exposure Limit: (OSHA) - Table Z-1 Limits for Air Contaminants - 1910.1000. California permissible exposure limits for chemical contaminants (Title 8, Article 107) |
| USA OSHA | OSHA PEL (T | NA) (ppm) | 200 ppm Basis: USA. Occupational Exposure Limits (OSHA) - Table Z-1 Limits for Air Contaminants - 1910.1000. California permissible exposure limits for chemical contaminants (Title 8, Article 107) |
| USA OSHA | OSHA PEL (S | TEL) (mg/m³) | 325 mg/m ³ Basis: USA. OSHA - Table Z-1 Limits for Air Contaminants - 1910.1000. California permissible exposure limits for chemical contaminants (Title 8, Article 107) |
| USA OSHA | OSHA PEL (S | TEL) (ppm) | 250 ppm Basis: USA. OSHA - Table Z-1 Limits for Air Contaminants - 1910.1000. California permissible exposure limits for chemical contaminants (Title 8, Article 107) |
| USA OSHA | OSHA PEL (C | eiling) (ppm) | 1000 ppm California permissible exposure limits for chemical contaminants (Title 8, Article 107) |
| USA OSHA | Remark (OSH | A) | The value in mg/m3 is approximate. Skin notation. |
| THIODIGLYCOL UNLA | BELED 1 MG/ML IN N | IETHANOL | |
| DNEL/DMEL (Workers) | | | |
| Acute - systemic effects, | dermal | 40 mg/kg bodyweight/day | |
| Acute - systemic effects, | inhalation | 260 mg/m ³ | |
| Acute - local effects, derr | mal | 260 mg/cm ² | |
| Long-term - systemic effe | ects, dermal | 40 mg/kg bodyweight/day | |
| Long-term - local effects, | | 260 mg/cm ² | |
| Long-term - local effects, inhalation | | 260 mg/m ³ | |
| DNEL/DMEL (General po | . , | | |
| Acute - systemic effects, dermal | | 8 mg/kg body weight | |
| Acute - systemic effects, inhalation | | 50 mg/m ³ | |
| Acute - systemic effects, oral | | 8 mg/kg body weight | |
| Acute - local effects, inhalation | | 50 mg/m ³ | |
| Long-term - systemic effects,oral 8 mg/kg bodyweight/day Long-term - systemic effects, inhalation 50 mg/m ³ | | | |
| | | 8 mg/kg bodyweight/day | |
| Long-term - local effects, inhalation | | 50 mg/m ³ | |
| PNEC (Water) | | | |
| PNEC aqua (freshwater) 154 mg/l | | | |
| PNEC aqua (marine water) | | 15.4 mg/l | |
| PNEC (Sediment) | | | |
| PNEC sediment (freshwater) | | 570.4 mg/kg dwt | |
| | | | |
| PNEC (Soil) | | 1 22 E malka dut | |
| PNEC soil | | 23.5 mg/kg dwt | |
| | alont | 23.5 mg/kg uwi 100 mg/kg | |

Personal protective equipment

Wash hands and other exposed areas with mild soap and water before eating, drinking or smoking and when leaving work.

: Gloves. Protective clothing. Protective goggles. Self-contained breathing apparatus.

: Wear eye protection. Chemical goggles or face shield with safety glasses.

: In case of inadequate ventilation wear respiratory protection. Approved supplied air respirator.

: Wear suitable protective clothing, gloves and eye/face protection.



: Wear suitable protective clothing and gloves.

: Wear suitable protective clothing and gloves.

Materials for protective clothing Hand protection Eye protection Skin and body protection Respiratory protection

EN (English US)

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Environmental exposure controls

: Avoid release to the environment.

| SECTION 9: Physical and chemical properties | | | |
|---|---|--|--|
| 9.1. Information on basic physical and chemical properties | | | |
| The properties listed below are for the solvent, the main composition | nent of this mixture. | | |
| Physical state | : Liquid | | |
| Appearance | : Liquid | | |
| Molecular mass | : 32.04 g/mol | | |
| Color | : Colorless | | |
| Odor | : Pungent | | |
| Odor threshold | : No data available | | |
| рН | : No data available | | |
| Relative evaporation rate (butyl acetate=1) | : No data available | | |
| Melting point | : -98 °C (-144 °F) | | |
| Freezing point | : No data available | | |
| Boiling point | : 64.7 °C (148.5 °F) | | |
| Flash point | : 9.7 °C (49.5 °F) - closed cup | | |
| Auto-ignition temperature | : 455 °C (851 °F) at 1,013 hPa (760 mmHg) | | |
| Decomposition temperature | : No data available | | |
| Flammability (solid, gas) | : No data available | | |
| Vapor pressure | : 130.3 hPa (97.7 mmHg) at 20 °C (68 °F); 169.27 hPa (126.96 mmHg) at 25 °C (77 °F) | | |
| Vapor pressure at 50 °C | : 546.6 hPa (410 mmHg) at 50 °C (122 °F) | | |
| Relative vapor density at 20 °C | : 1.11 | | |
| Relative density | : No data available | | |
| Specific gravity / density | : 0.791 g/ml at 25 °C (77 °F) | | |
| Solubility | : Water: Completely miscible | | |
| Log Pow | : -0.77 | | |
| Log Kow | : No data available | | |
| Viscosity, kinematic | : No data available | | |
| Viscosity, dynamic | : No data available | | |
| Explosive properties | : Product is not explosive. | | |
| Oxidizing properties | : Non oxidizing material according to EC criteria. | | |
| Explosion limits | : 6 - 36 % (V) | | |
| 9.2. Other information | | | |
| No additional information available | | | |
| SECTION 10: Stability and reactivity | | | |
| 10.1. Reactivity | | | |
| Vapors may form flammable mixture with air. Highly flammable liquid and vapor. | | | |
| 10.2. Chemical stability | | | |
| See storage and expiration date on CoA. | | | |
| 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 | | | |
| Acid anhydrides. Acid chlorides. Oxidizing agent. Alkali Metal Amides. Reducing agents. Acids. | | | |
| 10.6. Hazardous decomposition products | | | |
| | | | |
| Carbon oxides (CO, CO2). | | | |
| SECTION 11: Toxicological information | | | |
| 11.1. Information on toxicological effects | | | |
| Acute toxicity | : Oral: Toxic if swallowed. Dermal: Toxic in contact with skin. Inhalation: Toxic if inhaled. | | |
| THIODIGLYCOL UNLABELED 1 MG/ML IN M | /ETHANOL | | |
| LD50 oral rat | 1187 - 2769 mg/kg | | |
| LD50 dermal rabbit | 17100 mg/kg | | |
| 13/02/2019 | EN (English US) 7/13 | | |

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| THIODIGLYCOL UNLABELED 1 MG/ML IN MI | ETHANOL |
|---|--|
| LC50 inhalation rat (mg/l) | 128.2 mg/l/4h ; 87.6 mg/l - 6 h |
| ATE CLP (oral) | 100.000 mg/kg body weight |
| ATE CLP (dermal) | 300.000 mg/kg body weight |
| ATE CLP (vapors) | 3.000 mg/l/4h |
| ATE CLP (dust, mist) | 128.200 mg/l/4h |
| LDLO, oral, human | 143 mg/kg Remarks: Lungs, Thorax, or Respiration: Dyspnea. Ingestion may cause gastrointestinal irritation, nausea, vomiting and diarrhea. |
| THIODIGLYCOL UNLABELED (111-48-8) | |
| LD50 oral rat | 6610 mg/kg |
| LD50 dermal rabbit | 23640 mg/kg |
| ATE CLP (oral) | 98.000 mg/kg body weight |
| ATE CLP (dermal) | 112.000 mg/kg body weight |
| ATE CLP (gases) | 625.000 ppmV/4h |
| ATE CLP (vapors) | 2.000 mg/l/4h |
| ATE CLP (dust, mist) | 2.000 mg/l/4h |
| | 2.000 mg// m |
| 100% METHANOL UNLABELED (67-56-1) | 1107 0760 malka |
| LD50 oral rat | 1187 - 2769 mg/kg |
| LD50 dermal rabbit | 17100 mg/kg |
| LC50 inhalation rat (mg/l) | 128.2 mg/l/4h ; 87.6 mg/l - 6 h |
| ATE CLP (oral) | 100.000 mg/kg body weight |
| ATE CLP (dermal) | 300.000 mg/kg body weight |
| ATE CLP (vapors) | 3.000 mg/l/4h |
| ATE CLP (dust, mist) | 128.200 mg/l/4h |
| LDLO, oral, human | 143 mg/kg Remarks: Lungs, Thorax, or Respiration: Dyspnea. Ingestion may cause gastrointestinal irritation, nausea, vomiting and diarrhea. |
| Skin corrosion/irritation | : Skin. Rabbit. Result: No skin irritation |
| Serious eye damage/irritation | : Eyes. Rabbit. Result: No eye irritation |
| Respiratory or skin sensitization | : Maximisation Test . Guinea pig. Did not cause sensitization. (OECD 406 method) |
| Germ cell mutagenicity | : AMES test : S. tymphimurium. Result: negative. |
| | Fibroblast. Result: Negative. Mutation in mammalian somatic cells. |
| | Mutagenicity (in vivo mammalian bone-marrow cystogenetic test, chromosomal analysis) - Mouse - male and female Result: negative. Mouse - male and female. Result: Negative |
| Carcinogenicity | : Not classified |
| Reproductive toxicity | : Damage to fetus not classifiable. Fertility classification not possible from current data. |
| Specific target organ toxicity – single exposure | : Causes damage to organs through prolonged or repeated exposure |
| | Causes damage to organs |
| Specific target organ toxicity – repeated exposure | : The substance or mixture is not classified as specific target organ toxicant, repeated exposure. No data available |
| THIODIGLYCOL UNLABELED (111-48-8) | |
| NOAEL (oral,rat,90 days) | 100 mg/kg bodyweight/day male and female - Gavage - No observed adverse effect level |
| Aspiration hazard | No aspiration toxicity classification. |
| | |
| Potential Adverse human health effects and symptoms | 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. Effects due to Ingestion may include: Headache. Dizziness. Drowsiness. metabolic acidosis. Coma. May be fatal if swallowed and enters airways. If swallowed there is a risk of blindness. Effects on humans. stomach. |
| Symptoms/effects after inhalation | : Toxic if inhaled. |
| Symptoms/effects after skin contact | : Toxic in contact with skin. Causes skin irritation. |
| Symptoms/effects after eye contact | : Causes serious eye irritation. |
| Symptoms/effects after ingestion | : Toxic if swallowed. |

| SECTION 12: Ecological information | |
|---|--|
| 12.1. Toxicity | |
| Ecology - general | : The product is not considered harmful to aquatic organisms or to cause long-term adverse effects in the environment. |

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| THIODIGLYCOL UNLABELED 1 MG/ML IN METHANOL | | |
|--|--|--|
| LC50 fish 1 | 15400 mg/l mortality LC50 - Lepomis machrochirus (Bluegill) - 96 h | |
| EC50 Daphnia 1 | > 10000 mg/l Daphnia magna (Water flea) - 48 h | |
| EC50 Daphnia 2 | 22000 mg/l Growth inhibition EC50 - Scenedesmus capricornutum (fresh water algae) - 96 h | |
| NOEC (acute) | 7900 mg/l Oryzias latipes - 200 h | |
| THIODIGLYCOL UNLABELED (111-48-8) | | |
| LC50 fish 1 | > 10000 mg/l Leuciscus idus (Golden orfe) - 96 h | |
| EC50 Daphnia 1 | > 500 mg/l Daphnia magna (Water flea) - 48 h | |
| EC50 other aquatic organisms 1 | > 500 mg/l Desmodesmus subspicatus (Scenedesmus subspicatus) - 72 h | |
| 100% METHANOL UNLABELED (67-56-1) | | |
| LC50 fish 1 | 15400 mg/l mortality LC50 - Lepomis machrochirus (Bluegill) - 96 h | |
| EC50 Daphnia 1 | > 10000 mg/l Daphnia magna (Water flea) - 48 h | |
| EC50 Daphnia 2 | 22000 mg/l Growth inhibition EC50 - Scenedesmus capricornutum (fresh water algae) - 96 h | |
| NOEC (acute) | 7900 mg/l Oryzias latipes - 200 h | |

| 12.2. Persistence and degradability | | |
|--|--|--|
| THIODIGLYCOL UNLABELED 1 MG/ML IN METHANOL | | |
| Biochemical oxygen demand (BOD) | 600 - 1200 mg/g | |
| Chemical oxygen demand (COD) | 1420 mg/g | |
| ThOD | 1500 mg/g | |
| Biodegradation | 72 % - rapidly biodegradable aerobic - Exposure time 5 d | |
| 100% METHANOL UNLABELED (67-56-1) | | |
| Biochemical oxygen demand (BOD) | 600 - 1200 mg/g | |
| Chemical oxygen demand (COD) | 1420 mg/g | |
| ThOD | 1500 mg/g | |
| Biodegradation | 72 % - rapidly biodegradable aerobic - Exposure time 5 d | |
| 12.3. Bioaccumulative potential | | |
| THIODIGLYCOL UNLABELED 1 MG/ML IN M | ETHANOL | |
| BCF fish 1 | 5 mg/l Cyprinus carpio (Carp) - 72 d at 20 °C | |
| Bioconcentration factor (BCF REACH) | 1 | |
| Log Pow | -0.77 | |
| THIODIGLYCOL UNLABELED (111-48-8) | | |
| Log Pow | -0.75 | |
| 100% METHANOL UNLABELED (67-56-1) | | |
| BCF fish 1 | 5 mg/l Cyprinus carpio (Carp) - 72 d at 20 °C | |
| Bioconcentration factor (BCF REACH) | 1 | |
| Log Pow | -0.77 | |
| 12.4. Mobility in soil | | |
| THIODIGLYCOL UNLABELED 1 MG/ML IN M | ETHANOL | |
| Ecology - soil | Not degradable in the soil. | |
| 100% METHANOL UNLABELED (67-56-1) | | |
| Ecology - soil | Not degradable in the soil. | |
| 12.5. Results of PBT and vPvB assessme | nt | |
| THIODIGLYCOL UNLABELED 1 MG/ML IN M | ETHANOL | |
| PBT: not relevant – no registration required | | |
| 100% METHANOL UNLABELED (67-56-1) | | |
| PBT: not relevant – no registration required | | |
| 12.6. Other adverse effects | | |
| Other adverse effects | : Avoid release to the environment. | |
| Other information | : Stability in water: at 19 °C - (83 - 91%) - 72 h. Remarks: Hydrolyses on contact with water. Hydrolyses readily. | |
| | | |

SECTION 13: Disposal considerations 13.1. Waste treatment methods : Waste materials should be disposed of under conditions which meet Federal, State, and local Regional legislation (waste) environmental control regulations.

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| Product/Packaging disposal recommendations | : Offer surplus and non-recyclable solutions to a licensed disposal company. Contact a licensed |
|---|--|
| | professional waste disposal service to dispose of this material. |
| Ecology - waste materials | : Dispose of as unused product. |
| SECTION 14: Transport information | |
| In accordance with ADR / RID / IMDG / IATA / A | DN |
| 14.1. UN number | 1000 |
| UN-No.(DOT) | : 1230 |
| DOT NA no. | UN1230 |
| 14.2. UN proper shipping name | |
| Proper Shipping Name (DOT) | : Methanol |
| Class (DOT) | : 3 - Class 3 - Flammable and combustible liquid 49 CFR 173.120 |
| Hazard labels (DOT) | : 3 - Flammable liquid 6.1 - Poison |
| | FLAMMABLE LIQUID POISON 3 6 6 |
| DOT Symbols | : + - Fixes (cannot be altered) proper shipping name, hazard class, and packing group, I - Proper shipping name appropriate for international and domestic transportation |
| Packing group (DOT) | : II - Medium Danger |
| DOT Special Provisions (49 CFR 172.102) | IB2 - Authorized IBCs: Metal (31A, 31B and 31N); Rigid plastics (31H1 and 31H2); Composite (31HZ1). Additional Requirement: Only liquids with a vapor pressure less than or equal to 110 kPa at 50 C (1.1 bar at 122 F), or 130 kPa at 55 C (1.3 bar at 131 F) are authorized. T7 - 4 178.274(d)(2) Normal |
| DOT Packaging Exceptions (49 CFR 173.xxx) | : 150 |
| DOT Packaging Non Bulk (49 CFR 173.xxx) | : 202 |
| DOT Packaging Bulk (49 CFR 173.xxx) | : 242 |
| 14.3. Additional information | |
| Emergency Response Guide (ERG) Number | : 131 |
| Other information | : No supplementary information available. |
| Overland transport | |
| Overland transport Hazard identification number (Kemler No.) | : 336 |
| Orange plates | |
| | 336 |
| | 1230 |
| Tunnel restriction code (ADR) | 1230 : D/E |
| Tunnel restriction code (ADR) Limited quantities (ADR) | |
| | : D/E |
| Limited quantities (ADR) | : D/E 11 |
| Limited quantities (ADR) Excepted quantities (ADR) | : D/E 11 |
| Limited quantities (ADR) Excepted quantities (ADR) Transport by sea | D/E 11 E2 B - (i) The material may be stowed "on deck" or "under deck" on a cargo vessel and on a passenger vessel carrying a number of passengers limited to not more than the larger of 25 passengers, or one passenger per each 3 m of overall vessel length; and (ii) "On deck only" on passenger vessels in which the number of passengers specified in paragraph (k)(2)(i) of this |

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| Air transport | |
|--|---------------------|
| DOT Quantity Limitations Passenger aircraft/rail (49 CFR 173.27) | : 1L |
| DOT Quantity Limitations Cargo aircraft only (49 CFR 175.75) | : 60 L |
| Civil Aeronautics Law | : Flammable liquids |

14.4. **Environmental hazards** Other information

14.5.

: No supplementary information available.

Special precautions for user

14.6. Transport in bulk according to Annex II of MARPOL 73/78 and the IBC Code

Not applicable

| SECTION 15: Regulatory information | n |
|---|---|
| 15.1. US Federal regulations | |
| THIODIGLYCOL UNLABELED 1 MG/ML IN N | IETHANOL |
| Listed on the United States TSCA (Toxic Subs | tances Control Act) inventory |
| SARA Section 302 Threshold Planning Quantity (TPQ) | Not subject to reporting requirements of the United States SARA Section 302. |
| SARA Section 311/312 Hazard Classes | Fire hazard Immediate (acute) health hazard Delayed (chronic) health hazard |
| SARA Section 313 - Emission Reporting | Subject to reporting requirements of United States SARA Section 313 |
| THIODIGLYCOL UNLABELED (111-48-8) | |
| SARA Section 302 Threshold Planning Quantity (TPQ) | Not subject to reporting requirements of the United States SARA Section 302. |
| SARA Section 311/312 Hazard Classes | Immediate (acute) health hazard |
| SARA Section 313 - Emission Reporting | Not subject to reporting requirements of the United States SARA Section 313. |
| 100% METHANOL UNLABELED (67-56-1) | |
| Listed on the United States TSCA (Toxic Subs | tances Control Act) inventory |
| CERCLA RQ | 5000 lb |
| SARA Section 302 Threshold Planning Quantity (TPQ) | Not subject to reporting requirements of the United States SARA Section 302. |
| SARA Section 311/312 Hazard Classes | Fire hazard Immediate (acute) health hazard Delayed (chronic) health hazard |
| SARA Section 313 - Emission Reporting | Subject to reporting requirements of United States SARA Section 313 |

15.2. International regulations

CANADA

| THIODIGLYCOL UNLABELED 1 MG/ML IN METHANOL | |
|---|--|
| Listed on the Canadian DSL (Domestic Substances List) | |
| 100% METHANOL UNLABELED (67-56-1) | |
| Listed on the Canadian DSL (Domestic Substances List) | |

15.2.1. National regulations

No additional information available

15.3. US State regulations THIODIGLYCOL UNLABELED 1 MG/ML IN METHANOL U.S. - California - Proposition 65 - Carcinogens List No U.S. - California - Proposition 65 - Developmental Yes Toxicity U.S. - California - Proposition 65 - Reproductive No Toxicity - Female U.S. - California - Proposition 65 - Reproductive No Toxicity - Male

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| THIODIGLYCOL UNLABELED 1 MG/ML IN METHANOL | | | | |
|--|--|--|---|-------------------------------------|
| State or local regulations | | U.S Delaware - Pollutant Discharge Requirements - Reportable Quantities U.S Idaho - Non-Carcinogenic Toxic Air Pollutants - Acceptable Ambient Concentrations U.S Massachusetts - Right To Know List U.S Pennsylvania - RTK (Right to Know) List U.S New Jersey - Right to Know Hazardous Substance List U.S New York - Reporting of Releases Part 597 - List of Hazardous Substances | | |
| THIODIGLYCOL UNLABELED (111-48-8) | | | | |
| U.S California - Proposition 65 - Carcinogens List | U.S California - Proposition 65 - Developmental Toxicity | U.S California - Proposition 65 - Reproductive Toxicity - Female | U.S California - Proposition 65 - Reproductive Toxicity - Male | No significant risk level (NSRL) |
| No | No | No | No | |
| 100% METHANOL UNLA | BELED (67-56-1) | · | · | |
| U.S California - Proposition 65 - Carcinogens List | U.S California - Proposition 65 - Developmental Toxicity | U.S California - Proposition 65 - Reproductive Toxicity - Female | U.S California - Proposition 65 - Reproductive Toxicity - Male | No significant risk level (NSRL) |
| No | Yes | No | No | |
| THIODIGLYCOL UNLABE | LED (111-48-8) | | - - | |
| State or local regulations | | | | |
| U.S Pennsylvania - RTK (Right to Know) List U.S New Jersey - Right to Know Hazardous Substance List | | | | |
| 100% METHANOL UNLABELED (67-56-1) | | | | |
| State or local regulations | | | | |
| U.S Delaware - Pollutant Discharge Requirements - Reportable Quantities U.S Idaho - Non-Carcinogenic Toxic Air Pollutants - Acceptable Ambient Concentrations U.S Massachusetts - Right To Know List U.S Pennsylvania - RTK (Right to Know) List U.S New Jersey - Right to Know Hazardous Substance List U.S New York - Reporting of Releases Part 597 - List of Hazardous Substances | | | | |

SECTION 16: Other information

Other information

: This product is not radioactive. The data given for this product are those of the corresponding unlabeled compound, unless specifically indicated otherwise. Health and safety data for labeled compounds are generally not available, but are assumed to be similar or identical to the corresponding unlabeled compound.

Full text of R-, H- and EUH-phrases:

| text of R-, H- and EUH-phrases: | |
|----------------------------------|--|
| Acute Tox. 3 (Dermal) | Acute toxicity (dermal) Category 3 |
| Acute Tox. 3 (Inhalation) | Acute toxicity (inhalation) Category 3 |
| Acute Tox. 3 (Inhalation:vapour) | Acute toxicity (inhalation:vapour) Category 3 |
| Acute Tox. 3 (Oral) | Acute toxicity (oral) Category 3 |
| Eye Irrit. 2 | Serious eye damage/eye irritation Category 2 |
| Flam. Liq. 2 | Flammable liquids Category 2 |
| Skin Irrit. 2 | Skin corrosion/irritation Category 2 |
| STOT SE 1 | Specific target organ toxicity (single exposure) Category 1 |
| H225 | Highly flammable liquid and vapor |
| H301 | Toxic if swallowed |
| H311 | Toxic in contact with skin |
| H315 | Causes skin irritation |
| H319 | Causes serious eye irritation |
| H331 | Toxic if inhaled |
| H370 | Causes damage to organs |
| R11 | Highly flammable |
| R36 | Irritating to eyes |
| R36/38 | Irritating to eyes and skin |
| R39/23/24/25 | Toxic: danger of very serious irreversible effects through inhalation, in contact with skin and if swallowed |
| F | Highly flammable |
| Т | Toxic |
| Xi | Irritant |

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| NFPA health hazard | : 2 - Materials that, under emergency conditions, can cause temporary incapacitation or residual injury. |
|--------------------|---|
| NFPA fire hazard | : 3 - Liquids and solids (including finely divided suspended solids) that can be ignited under almost all ambient temperature conditions. |
| NFPA reactivity | : 0 - Material that in themselves are normally stable, even under fire conditions. |
| Hazard Rating | |
| Health | : 2 Moderate Hazard - Temporary or minor injury may occur |
| Flammability | : 3 Serious Hazard |
| Physical | : 0 Minimal Hazard |

CIL Mixture SDS

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