

Safety Data Sheet SIM6487.5 Date of issue: 11/30/2016 Version: 1.0

| SECTION 1: Identification | | | | |
|--|--|--|--|--|
| 1.1. Product identifier | | | | |
| Product name | : METHACRYLOXYPROPYLTRIS(METHOXYETHOXY)SILANE, tech-80 | | | |
| Product code | : SIM6487.5 | | | |
| Product form | : Substance | | | |
| Physical state | : Liguid | | | |
| Formula | : C16H32O8Si | | | |
| Synonyms | : TRIS(METHOXYETHOXY)SILYLPROPYLMETHACRYLATE | | | |
| Chichynic | 3-[TRIS(2-METHOXYETHOXY)SILYL]PROPYL METHACRYLATE 2-PROPENOIC ACID, 2-METHYL-, 3-[TRIS(2-METHOXYETHOXY)SILYL]PROPYL ESTER | | | |
| Chemical family | : ORGANOSILANE ESTER | | | |
| 1.2. Recommended use of the chemica | Il and restrictions on use | | | |
| Recommended use | : Chemical intermediate For research and industrial use only | | | |
| 1.3. Details of the supplier of the safety | y data sheet | | | |
| GELEST, INC. | | | | |
| 11 East Steel Road | | | | |
| Morrisville, PA 19067 USA | | | | |
| T 215-547-1015 - F 215-547-2484 - (M-F): 8:00 |) AM - 5:30 PM EST | | | |
| info@gelest.com - www.gelest.com | | | | |
| 1.4. Emergency telephone number | | | | |
| Emergency number | : CHEMTREC: 1-800-424-9300 (USA); +1 703-527-3887 (International) | | | |
| SECTION 2: Hazard(s) identification | 1 | | | |
| 2.1. Classification of the substance or | mixture | | | |
| GHS-US classification | | | | |
| Skin corrosion/irritation Category 2 Serious eye damage/eye irritation Category 2A Reproductive toxicity Category 1B Full text of H statements : see section 16 | H315 H319 H360 | | | |
| 2.2. Label elements | | | | |
| | | | | |
| GHS-US labeling | | | | |
| Hazard pictograms (GHS-US) | | | | |
| | GHS07 GHS08 | | | |
| Signal word (GHS-US) | : Danger | | | |
| Hazard statements (GHS-US) | : H315 - Causes skin irritation | | | |
| | H319 - Causes serious eye irritation H360 - May damage fertility or the unborn child | | | |
| Precautionary statements (GHS-US) | P201 - Obtain special instructions before use P202 - Do not handle until all safety precautions have been read and understood P280 - Wear protective gloves/protective clothing/eye protection/face protection P264 - Wash hands thoroughly after handling P302 + P352 - If on skin: Wash with plenty of soap and water P332 + P313 - If skin irritation occurs: Get medical advice/attention P305+P351+P338 - IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing P337 + P313 - If eye irritation persists: Get medical advice/attention P308 + P313 - If exposed or concerned: Get medical advice/attention P302 + P364 - Take off contaminated clothing and wash it before reuse P405 - Store locked up P501 - Dispose of contents/container to licensed waste disposal facility | | | |

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| 2.3. Hazards not otherwise classified (No additional information available | | | | |
|--|--|-----------------------|--|--|
| 2.4. Unknown acute toxicity (GHS US) |) | | | |
| No data available | | | | |
| SECTION 3: Composition/Informat | ion on ingredients | | | |
| 3.1. Substance | | | | |
| Substance type | : Multi-constituent | | | |
| Name | : METHACRYLOXYPROPYLTRIS(ME | THOXYETHOXY)SIL | ANE, tech-80 | |
| CAS No | : 57069-48-4 | | | |
| Name | Product identifier | % | GHS-US classification | |
| Methacryloxypropyltris(methoxyethoxy)silane | (CAS No) 57069-48-4 | 80 - 100 | Skin Irrit. 2, H315 Eye Irrit. 2A, H319 | |
| 2-Methoxyethanol | (CAS No) 109-86-4 | 0 - 3 | Flam. Liq. 3, H226 Acute Tox. 4 (Dermal), H312 Acute Tox. 4 (Inhalation), H332 Repr. 1B, H360 | |
| Hydroquinone monomethyl ether | (CAS No) 150-76-5 | < 0.05 | Acute Tox. 4 (Oral), H302 Eye Irrit. 2B, H320 Skin Sens. 1, H317 | |
| Full text of hazard classes and H-statements : | see section 16 | | | |
| B.2. Mixture | | | | |
| Not applicable | | | | |
| I.1. Description of first aid measures | | | | |
| First-aid measures general | : Remove contaminated clothing and sh medical advice immediately (show the available show packaging or label. IF | label where possible | e). If possible show this sheet; if no | |
| irst-aid measures after inhalation | Remove victim to fresh air and keep at rest in a position comfortable for breathing. If you feel unwell, seek medical advice. | | | |
| irst-aid measures after skin contact | : Wash with plenty of soap and water. C | Get medical advice/at | tention. | |
| First-aid measures after eye contact | : Immediately flush eyes thoroughly with water for at least 15 minutes. Remove contact lenses, present and easy to do. Continue rinsing. Get medical advice/attention. | | | |
| First-aid measures after ingestion | : Never give anything by mouth to an u | nconscious person. C | Set medical advice/attention. | |
| .2. Most important symptoms and eff | | | | |
| Symptoms/injuries | : May damage fertility or the unborn chi | | | |
| Symptoms/injuries after inhalation | : May cause irritation to the respiratory | tract. | | |
| Symptoms/injuries after skin contact | : Causes skin irritation. | | | |
| Symptoms/injuries after eye contact | : Causes serious eye irritation. | | | |
| Symptoms/injuries after ingestion | : May be harmful if swallowed. | | | |
| I.3. Indication of any immediate medie | cal attention and special treatment neede | d | | |
| lo additional information available | | | | |
| SECTION 5: Firefighting measures | | | | |
| 5.1. Extinguishing media | | | | |
| Suitable extinguishing media | : Water spray. Water fog. Foam. Carbo | n dioxide. Dry chemi | cal. | |
| Insuitable extinguishing media | : Do not use straight streams. | | | |
| 5.2. Special hazards arising from the s | substance or mixture | | | |
| Fire hazard | : Irritating fumes and organic acid vapo temperatures or open flame. | rs may develop wher | material is exposed to elevated | |
| 5.3. Advice for firefighters | | | | |
| irefighting instructions | : Use water spray or fog for cooling exp chemical fire. | | | |
| Protection during firefighting | : Do not enter fire area without proper protective equipment, including respiratory protection. Avoid all eye and skin contact and do not breathe vapor and mist. | | | |
| SECTION 6: Accidental release me | | | | |
| | equipment and emergency procedures | | | |
| 6.1.1. For non-emergency personnel | | | | |
| | | | | |
| Protective equipment Emergency procedures | : Wear protective equipment as describ : Evacuate unnecessary personnel. | ed in Section 8. | | |

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| 6.1.2. For emergency resp | onders | | | |
|--|---|--|---|--|
| Protective equipment | | | ithout suitable protective equipment. Equip cleanup crew with formation refer to section 8: "Exposure controls/personal | |
| 6.2. Environmental preca | autions | | | |
| Prevent entry to sewers and put | olic waters. Notify a | uthorities if liquid enters sewers of | or public waters. | |
| 6.3. Methods and materia | al for containment | and cleaning up | | |
| For containment | : | Contain any spills with dikes or absorbents to prevent migration and entry into sewers or streams. | | |
| Methods for cleaning up | : | Clean up any spills as soon as shovel spills into appropriate co | possible, using an absorbent material to collect it. Sweep or ontainer for disposal. | |
| 6.4. Reference to other s | ections | | | |
| See Heading 8. Exposure control | ols and personal pro | otection. | | |
| SECTION 7: Handling an | nd storage | | | |
| 7.1. Precautions for safe | | | | |
| Precautions for safe handling | - | | | |
| Hygiene measures | : | | fore reuse. Wash hands and other exposed areas with mild drinking or smoking and when leaving work. | |
| | | any incompatibilities | | |
| Storage conditions | | | Store locked up. Store in sealed containers in the dark at 0-5°C. | |
| Incompatible materials | : | Moisture. Water. | | |
| Storage area | | Store in a well-ventilated place. | Store away from heat. | |
| SECTION 8: Exposure c | ontrols/person | nal protection | | |
| 8.1. Control parameters | | | | |
| | | | | |
| 2-Methoxyethanol (109-86-4) ACGIH | ACGIH TWA (ppr | m) | 0.1 ppm | |
| OSHA | OSHA PEL (TWA | | 80 mg/m ³ | |
| OSHA | OSHA PEL (TWA | | , | |
| | | (ppm) | 25 ppm | |
| IDLH | US IDLH (ppm) | | 200 ppm | |
| NIOSH | NIOSH REL (TW) | | 0.3 mg/m ³ | |
| NIOSH | NIOSH REL (TW) | A) (ppm) | 0.1 ppm | |
| Hydroquinone monomethyl | ether (150-76-5) | | | |
| ACGIH | ACGIH TWA (mg | /m³) | 5 mg/m ³ | |
| NIOSH | NIOSH REL (TW) | A) (mg/m ³) | 5 mg/m ³ | |
| | (| , (| | |
| 8.2. Exposure controls | | | | |
| Appropriate engineering control | s : | Provide local exhaust or genera | al room ventilation. | |
| Personal protective equipment | | | | |
| Hand protection | | Noonrone or nitrilo rubbor close | | |
| Hand protection Eye protection | Neoprene or nitrile rubber gloves.Chemical goggles. Contact lenses should not be worn. | | | |
| Skin and body protection | : Wear suitable protective clothing. | | | |
| Respiratory protection | : | : Where exposure through inhalation may occur from use, respiratory protection equipment is | | |
| recommended. NIOSH-certified organic vapor (black cartridge) respirator. | | | | |
| SECTION 9: Physical and chemical properties | | | | |
| 9.1. Information on basic physical and chemical properties | | | | |
| Physical state | | Liquid | | |
| Appearance | | : Clear liquid. | | |
| Molecular mass | | : 380.51 g/mol | | |
| Color | | : Straw. | | |
| | | | | |

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| 10.6. Hazardous decompose Methoxyethanol. Organic acid va SECTION 11: Toxicologic 11.1. Information on toxico Acute toxicity 2-Methoxyethanol (109-86-4) LD50 oral rat LD50 dermal rabbit LC50 inhalation rat (ppm) ATE US (oral) ATE US (dermal) ATE US (dess) ATE US (vapors) ATE US (dust, mist) Hydroquinone monomethyl et LD50 oral rat | Sological effects : Not classified 2370 mg/kg 1280 mg/kg 1478 ppm (Exposure time: 7 h) 2370.000 mg/kg body weight 1280.000 mg/kg body weight 4500.000 ppmV/4h 11.000 mg/l/4h 1.500 mg/l/4h | | |
|--|--|--|--|
| Methoxyethanol. Organic acid va SECTION 11: Toxicologic 11.1. Information on toxico Acute toxicity 2-Methoxyethanol (109-86-4) LD50 oral rat LD50 dermal rabbit LC50 inhalation rat (ppm) ATE US (oral) ATE US (dermal) ATE US (dermal) ATE US (gases) ATE US (vapors) ATE US (dust, mist) | Sological effects : Not classified 2370 mg/kg 1280 mg/kg 1478 ppm (Exposure time: 7 h) 2370.000 mg/kg body weight 1280.000 mg/kg body weight 4500.000 ppmV/4h 11.000 mg/l/4h 1.500 mg/l/4h | | |
| Methoxyethanol. Organic acid va SECTION 11: Toxicologic 11.1. Information on toxico Acute toxicity 2-Methoxyethanol (109-86-4) LD50 oral rat LD50 dermal rabbit LC50 inhalation rat (ppm) ATE US (oral) ATE US (dermal) ATE US (gases) ATE US (vapors) | Sological effects : Not classified 2370 mg/kg 1280 mg/kg 1478 ppm (Exposure time: 7 h) 2370.000 mg/kg body weight 1280.000 mg/kg body weight 4500.000 ppmV/4h 11.000 mg/l/4h | | |
| Methoxyethanol. Organic acid va SECTION 11: Toxicologic 11.1. Information on toxico Acute toxicity 2-Methoxyethanol (109-86-4) LD50 oral rat LD50 dermal rabbit LC50 inhalation rat (ppm) ATE US (oral) ATE US (dermal) ATE US (gases) | blogical effects : Not classified 2370 mg/kg 1280 mg/kg 1478 ppm (Exposure time: 7 h) 2370.000 mg/kg body weight 1280.000 mg/kg body weight 4500.000 ppmV/4h | | |
| Methoxyethanol. Organic acid va SECTION 11: Toxicologic 11.1. Information on toxico Acute toxicity 2-Methoxyethanol (109-86-4) LD50 oral rat LD50 dermal rabbit LC50 inhalation rat (ppm) ATE US (oral) ATE US (dermal) | blogical effects : Not classified 2370 mg/kg 1280 mg/kg 1478 ppm (Exposure time: 7 h) 2370.000 mg/kg body weight 1280.000 mg/kg body weight | | |
| Methoxyethanol. Organic acid va SECTION 11: Toxicologic 11.1. Information on toxico Acute toxicity 2-Methoxyethanol (109-86-4) LD50 oral rat LD50 dermal rabbit LC50 inhalation rat (ppm) ATE US (oral) | blogical effects : Not classified 2370 mg/kg 1280 mg/kg 1478 ppm (Exposure time: 7 h) 2370.000 mg/kg body weight | | |
| Methoxyethanol. Organic acid va SECTION 11: Toxicologic 11.1. Information on toxico Acute toxicity 2-Methoxyethanol (109-86-4) LD50 oral rat LD50 dermal rabbit LC50 inhalation rat (ppm) | blogical effects : Not classified 2370 mg/kg 1280 mg/kg 1478 ppm (Exposure time: 7 h) | | |
| Methoxyethanol. Organic acid va SECTION 11: Toxicologic 11.1. Information on toxico Acute toxicity 2-Methoxyethanol (109-86-4) LD50 oral rat LD50 dermal rabbit | blogical effects : Not classified 2370 mg/kg 1280 mg/kg | | |
| Methoxyethanol. Organic acid va SECTION 11: Toxicologic 11.1. Information on toxico Acute toxicity 2-Methoxyethanol (109-86-4) LD50 oral rat | Not classified 2370 mg/kg | | |
| Methoxyethanol. Organic acid va SECTION 11: Toxicologic 11.1. Information on toxico Acute toxicity 2-Methoxyethanol (109-86-4) | Not classified | | |
| Methoxyethanol. Organic acid va SECTION 11: Toxicologic 11.1. Information on toxico Acute toxicity | ological effects | | |
| Methoxyethanol. Organic acid va SECTION 11: Toxicologic 11.1. Information on toxico | ological effects | | |
| Methoxyethanol. Organic acid va SECTION 11: Toxicologic | | | |
| Methoxyethanol. Organic acid va | | | |
| Methoxyethanol. Organic acid va | cal information | | |
| | | | |
| 10.0 | | | |
| INDISIUIE. WALEI. | | | |
| 10.5. Incompatible material Moisture. Water. | 10 | | |
| · · | | | |
| Heat. Open flame. Sparks. | | | |
| 10.4. Conditions to avoid | | | |
| Reacts with water and moisture in | | | |
| 10.3. Possibility of hazardo | ous reactions | | |
| | ed in the dark at 0-5°C. Polymerization can occur when stored at elevated temperature. | | |
| 10.2. Chemical stability | | | |
| No additional information available | le | | |
| 10.1. Reactivity | | | |
| SECTION 10: Stability an | d reactivity | | |
| No additional information available | le | | |
| 9.2. Other information | | | |
| | | | |
| Explosion limits | : No data available | | |
| Explosive properties Oxidizing properties | : No data available : No data available | | |
| Viscosity, dynamic Explosive properties | : No data available | | |
| | : No data available | | |
| Viscosity, kinematic | : No data available | | |
| Log Kow | : No data available | | |
| Log Pow | : No data available | | |
| Solubility | : Slightly. Soluble in water. Reacts with water. | | |
| VOC content | : <5% | | |
| Relative density | | | |
| Relative vapor density at 20 °C | : No data available | | |
| Vapor pressure | : No data available | | |
| Flammability (solid, gas) | : No data available | | |
| Decomposition temperature | : No data available | | |
| Auto-ignition temperature | emperature : No data available | | |
| Flash point | - | | |
| Boiling point | : 128 °C @ 10 mm Hg | | |
| Freezing point | : No data available : $< 0 \ ^{\circ}$ C | | |
| | : No data available | | |
| Melting point | : No data available acetate=1) : No data available | | |
| Relative evaporation rate (butyl a | : No data available | | |
| pH Relative evaporation rate (butyl a | : No data available | | |
| Relative evaporation rate (butyl a | Ne dete evelleble | | |

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| Serious eye damage/irritation | : Causes serious eye irritation. |
|--|--|
| Respiratory or skin sensitization | : Not classified |
| Germ cell mutagenicity | : Not classified |
| Carcinogenicity | : Not classified |
| | None of the components in this product at concentrations >0.1% are listed by IARC, NTP, OSHA or ACGIH as a carcinogen |
| Reproductive toxicity | : May damage fertility or the unborn child. |
| | The hydrolysis product of this product is methoxyethanol Methoxyethanol is a reproductive toxin. 2-Methoxyethanol is rapidly absorbed by all routes an undergoes hepatic metabolism to methoxyacetic acid. Exposure to methoxyethanol and methoxyacetic acid have been positively linked to the induction of reproductive toxicity and subtle birth defects (teratogenicity) |
| Specific target organ toxicity (single exposure) | : Not classified |
| Specific target organ toxicity (repeated exposure) | : Not classified |
| Aspiration hazard | : Not classified |
| Potential Adverse human health effects and symptoms | : On contact with water this compound liberates methoxyethanol which is known to have a chronic effect on the central nervous system. |
| Symptoms/injuries after inhalation | : May cause irritation to the respiratory tract. |
| Symptoms/injuries after skin contact | : Causes skin irritation. |
| Symptoms/injuries after eye contact | : Causes serious eye irritation. |
| Symptoms/injuries after ingestion | : May be harmful if swallowed. |
| Reason for classification | : Expert judgment |
| SECTION 12: Ecological information | |
| 12.1. Toxicity | |
| 2-Methoxyethanol (109-86-4) | |
| LC50 fish 1 | 10000 mg/l (Exposure time: 96 h - Species: Lepomis macrochirus [static]) |
| LC50 fish 2 | 9650 mg/l (Exposure time: 96 h - Species: Lepomis macrochirus [static]) |

| LC50 fish 2 9650 mg/l (Exposure time: 96 h - Species: Lepomis macrochirus [static]) | | | | |
|---|---|--|--|--|
| Hydroquinone monomethyl ether (150-76-5) | | | | |
| LC50 fish 1 | 84.3 mg/l (Exposure time: 96 h - Species: Pimephales promelas [flow-through]) | | | |
| LC50 fish 2 | 28.5 mg/l (Exposure time: 96 h - Species: Oncorhynchus mykiss [flow-through]) | | | |
| 40.0 Develotoment of develophility | | | | |

12.2. Persistence and degradability

No additional information available

| 12.3. Bioaccumulative potential | | | |
|--|-------|--|--|
| 2-Methoxyethanol (109-86-4) | | | |
| Log Pow | -0.85 | | |
| Hydroquinone monomethyl ether (150-76-5) | | | |
| Log Pow | 1.34 | | |
| 12.4. Mobility in soil | | | |

No additional information available

| 12.5. Other adverse effects | |
|--|---|
| Other adverse effects | : This substance may be hazardous to the environment. |
| Effect on ozone layer | : No additional information available |
| Effect on the global warming GWPmix comment | No known effects from this product.No known effects from this product. |

| SECTION 13: Disposal considera | ations |
|---------------------------------------|---|
| 13.1. Waste treatment methods | |
| Sewage disposal recommendations | : Do not dispose of waste into sewer. |
| Waste disposal recommendations | : May be incinerated. Dispose in a safe manner in accordance with local/national regulations. Dispose of contents/container to licensed waste disposal facility. |
| Ecology - waste materials | : Avoid release to the environment. |

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| SECTION 14: Transport information | |
|---|--|
| 14.1. UN number | |
| Not regulated for transport. | |
| 14.2. UN proper shipping name | |
| Not applicable | |
| 14.3. Additional information | |
| Other information | : No supplementary information available. |
| Transport by sea | |
| No additional information available | |
| Air transport | |
| No additional information available | |
| SECTION 15: Regulatory information | |
| 15.1. US Federal regulations | |
| | |
| 2-Methoxyethanol (109-86-4) | |
| Listed on the United States TSCA (Toxic Subst | ances Control Act) inventory |
| Subject to reporting requirements of United Sta | |
| EPA TSCA Regulatory Flag | S - S - indicates a substance that is identified in a proposed or final Significant New Uses Rule |
| SARA Section 313 - Emission Reporting | 1.0 % |
| Methacryloxypropyltris(methoxyethoxy)silar | ne (57069-48-4) |
| Listed on the United States TSCA (Toxic Subst | ances Control Act) inventory |
| Hydroquinone monomethyl ether (150-76-5) | |
| Listed on the United States TSCA (Toxic Subst | ances Control Act) inventory |
| EPA TSCA Regulatory Flag | T - T - indicates a substance that is the subject of a Section 4 test rule under TSCA |
| | |
| 15.2. International regulations | |
| CANADA | |
| 2-Methoxyethanol (109-86-4) | |
| Listed on the Canadian DSL (Domestic Substan | nces List) |
| WHMIS Classification | Class B Division 3 - Combustible Liquid Class D Division 1 Subdivision B - Toxic material causing immediate and serious toxic effects Class D Division 2 Subdivision A - Very toxic material causing other toxic effects |
| Methacryloxypropyltris(methoxyethoxy)silar | ne (57069-48-4) |
| Listed on the Canadian NDSL (Non-Domestic S | Substances List) |
| Hydroquinone monomethyl ether (150-76-5) | |
| Listed on the Canadian DSL (Domestic Substan | nces List) |
| WHMIS Classification | Class D Division 2 Subdivision B - Toxic material causing other toxic effects |
| EU-Regulations | |
| 2-Methoxyethanol (109-86-4) | |
| | n Inventory of Existing Commercial Chemical Substances) |
| Methacryloxypropyltris(methoxyethoxy)sila | |
| | n Inventory of Existing Commercial Chemical Substances) |
| Hydroquinone monomethyl ether (150-76-5) | , |
| | n Inventory of Existing Commercial Chemical Substances) |
| | , , , |
| National regulations | |

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| 2-Methoxyethanol (109-86-4) |
|--|
| Listed on the AICS (Australian Inventory of Chemical Substances) Listed on IECSC (Inventory of Existing Chemical Substances Produced or Imported in China) Listed on the Japanese ENCS (Existing & New Chemical Substances) inventory Listed on the Korean ECL (Existing Chemicals List) Listed on NZIoC (New Zealand Inventory of Chemicals) Listed on PICCS (Philippines Inventory of Chemicals and Chemical Substances) Japanese Pollutant Release and Transfer Register Law (PRTR Law) Listed on the Canadian IDL (Ingredient Disclosure List) Listed on INSQ (Mexican National Inventory of Chemical Substances) Listed on CICR (Turkish Inventory and Control of Chemicals) |
| Methacryloxypropyltris(methoxyethoxy)silane (57069-48-4) |
| Listed on the AICS (Australian Inventory of Chemical Substances) Listed on the Japanese ENCS (Existing & New Chemical Substances) inventory |
| Hydroquinone monomethyl ether (150-76-5) |
| Listed on the AICS (Australian Inventory of Chemical Substances) Listed on IECSC (Inventory of Existing Chemical Substances Produced or Imported in China) Listed on the Japanese ENCS (Existing & New Chemical Substances) inventory Listed on the Korean ECL (Existing Chemicals List) Listed on NZIoC (New Zealand Inventory of Chemicals) Listed on PICCS (Philippines Inventory of Chemicals and Chemical Substances) Listed on the Canadian IDL (Ingredient Disclosure List) Listed on INSQ (Mexican National Inventory of Chemical Substances) Listed on CICR (Turkish Inventory and Control of Chemicals) |

15.3. US State regulations

| 2-Methoxyethanol (109-86-4) | | | | |
|--|--|---|---|--------------------------------------|
| 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 | Non-significant risk level (NSRL) |
| No | Yes | No | Yes | |
| | | | | |

2-Methoxyethanol (109-86-4)

U.S. - Massachusetts - Right To Know List

- U.S. New Jersey Right to Know Hazardous Substance List
- U.S. Pennsylvania RTK (Right to Know) Environmental Hazard List

U.S. - Pennsylvania - RTK (Right to Know) List

Hydroquinone monomethyl ether (150-76-5)

U.S. - Massachusetts - Right To Know List

U.S. - New Jersey - Right to Know Hazardous Substance List

U.S. - Pennsylvania - RTK (Right to Know) List

SECTION 16: Other information

Full text of H-phrases::

| H226 | Flammable liquid and vapor |
|------|--|
| H302 | Harmful if swallowed |
| H312 | Harmful in contact with skin |
| H315 | Causes skin irritation |
| H317 | May cause an allergic skin reaction |
| H319 | Causes serious eye irritation |
| H320 | Causes eye irritation |
| H332 | Harmful if inhaled |
| H360 | May damage fertility or the unborn child |

Abbreviations and acronyms

: Abbreviations: ND: Not Determined, No Data; NA: Not Applicable; LD: Lethal Dose; LC: Lethal Concentration; ATE: Acute Toxicity Estimates; H: hour; °: °C unless otherwise stated; mm: millimeters Hg, torr; PEL: permissible exposure level; TWA: time weighted average; TLV: threshold limit value; TG: Test Guideline; NIOSH: National Institute for Occupational Safety and Health; IARC: International Agency for Research on Cancer; NTP: National Toxicology Program; HMIS: Hazardous Material Information System; CAS No.: Chemcial Abstract Service Registration Number; EC No.: European Commission Registration Number; EC Index No.: European Commission Index Number; OECD: The Organisation for Economic Co-operation and Development; GHS: The Globally Harmonized System of Classification and Labelling.

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| HMIS III Rating | |
|-----------------|--|
| Health | : 3 Serious Hazard - Major injury likely unless prompt action is taken and medical treatment is given |
| Flammability | 1 Slight Hazard - Materials that must be preheated before ignition will occur. Includes liquids, solids and semi solids having a flash point above 200 F. (Class IIIB) |
| Physical | : 1 Slight Hazard - Materials that are normally stable but can become unstable (self-react) at high temperatures and pressures. Materials may react non-violently with water or undergo hazardous polymerization in the absence of inhibitors. |

Prepared by safety and environmental affairs.

Date of issue: 11/30/2016 Version: 1.0

SDS US (GHS HazCom 2012) - Custom

According to Federal Register / Vol. 77, No. 58 / Monday, March 26, 2012 / Rules and Regulations

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