

SAFETY DATA SHEET

1. Identification

| Product identifier Other means of identification Recommended use Recommended restrictions | M-2000 LIQUID FLASHING None. Not available. None known. | |
|--|---|-------------------------------|
| Manufacturer/Importer/Supplier/ | Distributor information | |
| Manufacturer | | |
| Company name | CETCO, an MTI Company | |
| Address | 2870 Forbs Avenue | |
| | Hoffman Estates, IL 60192 | |
| | United States | |
| Telephone | General Information | 800 527-9948 |
| Website | http://www.cetco.com/ | |
| E-mail | safetydata@mineralstech.co | om |
| Emergency phone number | Emergency | 1.866.519.4752/1 760 476 3962 |
| Americas | 1.866.519.4752 (US, Canac | la, Mexico) 1 760 476 3962 |

2. Hazard(s) identification

| Physical hazards | Not classified. | |
|-----------------------|----------------------------|-------------|
| Health hazards | Acute toxicity, inhalation | Category 4 |
| | Sensitization, respiratory | Category 1 |
| | Sensitization, skin | Category 1 |
| | Germ cell mutagenicity | Category 1B |
| | Carcinogenicity | Category 1A |
| Environmental hazards | Not classified. | |
| OSHA defined hazards | Not classified. | |

Label elements



| Signal word | Danger |
|--|--|
| Hazard statement | May cause an allergic skin reaction. May cause allergy or asthma symptoms or breathing difficulties if inhaled. May cause genetic defects. May cause cancer. |
| Precautionary statement | |
| Prevention | Obtain special instructions before use. Do not handle until all safety precautions have been read and understood. Contaminated work clothing must not be allowed out of the workplace. Wear protective gloves/protective clothing/eye protection/face protection. In case of inadequate ventilation wear respiratory protection. |
| Response | If on skin: Wash with plenty of water. If inhaled: If breathing is difficult, remove person to fresh air and keep comfortable for breathing. If exposed or concerned: Get medical advice/attention. Specific treatment (see on this label). If skin irritation or rash occurs: Get medical advice/attention. If experiencing respiratory symptoms: Call a poison center/doctor. Take off contaminated clothing and wash it before reuse. |
| Storage | Store locked up. |
| Disposal | Dispose of contents/container in accordance with local/regional/national/international regulations. |
| Hazard(s) not otherwise classified (HNOC) | None known. |

26% of the mixture consists of component(s) of unknown acute oral toxicity. 36% of the mixture consists of component(s) of unknown acute dermal toxicity. 36% of the mixture consists of component(s) of unknown acute hazards to the aquatic environment. 36% of the mixture consists of component(s) of unknown long-term hazards to the aquatic environment.

3. Composition/information on ingredients

Mixtures

| Chemical name | Common name and synonyms | CAS number | % |
|---|---|--|---|
| Clarified oils, petroleum, cataly cracked | tic | 64741-62-4 | 50 - < 60 |
| CALCIUM CARBONATE | LIMESTONE | 1317-65-3 | 20 - < 30 |
| CARBON BLACK | | 1333-86-4 | 10 - < 20 |
| Calcium oxide (CaO) | | 1305-78-8 | 5 - < 10 |
| Solvent naphtha, petroleum, medium aliph. | | 64742-88-7 | 1 - < 3 |
| Benzenesulfonyl isocyanate, 4-methyl- | | 4083-64-1 | < 1 |
| DIBUTYL TIN DILAURATE | | 77-58-7 | < 1 |
| Hydrotreated heavy naphthenic distillate | | 64742-52-5 | < 1 |
| Toluene-2,4-diisocyanate | | 584-84-9 | < 1 |
| Other components below repor | table levels | | 5 - < 10 |
| Constituents | | | |
| Chemical name | Common name and synonyms | CAS number | % |
| QUARTZ (SIO2) | | 14808-60-7 | <= 0.1 |
| Designates that a specific chemic | cal identity and/or percentage of composition ha | as been withheld as a trade se | ecret. |
| Composition comments | Occupational Exposure Limits for constituent | s are listed in Section 8. | |
| I. First-aid measures | | | |
| nhalation | If breathing is difficult, remove to fresh air an | d keep at rest in a position co | mfortable for breathin |
| | If breathing is difficult, remove to fresh air an Oxygen or artificial respiration if needed. Do substance. Induce artificial respiration with th valve or other proper respiratory medical dev poison center or doctor/physician. Remove contaminated clothing immediately | not use mouth-to-mouth meth he aid of a pocket mask equip rice. If experiencing respirator | od if victim inhaled th ped with a one-way y symptoms: Call a |
| Skin contact | Oxygen or artificial respiration if needed. Do substance. Induce artificial respiration with th valve or other proper respiratory medical dev poison center or doctor/physician. Remove contaminated clothing immediately eczema or other skin disorders: Seek medica | not use mouth-to-mouth meth he aid of a pocket mask equip rice. If experiencing respirator and wash skin with soap and al attention and take along the | od if victim inhaled th ped with a one-way y symptoms: Call a water. In case of |
| Skin contact Eye contact | Oxygen or artificial respiration if needed. Do substance. Induce artificial respiration with th valve or other proper respiratory medical dev poison center or doctor/physician. Remove contaminated clothing immediately eczema or other skin disorders: Seek medica Rinse with water. Get medical attention if irrit | not use mouth-to-mouth meth he aid of a pocket mask equip rice. If experiencing respirator and wash skin with soap and al attention and take along the ation develops and persists. | od if victim inhaled th ped with a one-way y symptoms: Call a water. In case of |
| Skin contact Eye contact ngestion | Oxygen or artificial respiration if needed. Do substance. Induce artificial respiration with th valve or other proper respiratory medical dev poison center or doctor/physician. Remove contaminated clothing immediately eczema or other skin disorders: Seek medica Rinse with water. Get medical attention if irrit Rinse mouth. Get medical attention if sympto | not use mouth-to-mouth meth he aid of a pocket mask equip rice. If experiencing respirator and wash skin with soap and al attention and take along the ation develops and persists. | od if victim inhaled th ped with a one-way y symptoms: Call a water. In case of se instructions. |
| Skin contact Eye contact | Oxygen or artificial respiration if needed. Do substance. Induce artificial respiration with th valve or other proper respiratory medical dev poison center or doctor/physician. Remove contaminated clothing immediately eczema or other skin disorders: Seek medica Rinse with water. Get medical attention if irrit | not use mouth-to-mouth meth he aid of a pocket mask equip rice. If experiencing respirator and wash skin with soap and al attention and take along the ation develops and persists. | od if victim inhaled th ped with a one-way y symptoms: Call a water. In case of se instructions. |
| Skin contact Eye contact ngestion Most important Symptoms/effects, acute and | Oxygen or artificial respiration if needed. Do substance. Induce artificial respiration with th valve or other proper respiratory medical dev poison center or doctor/physician. Remove contaminated clothing immediately eczema or other skin disorders: Seek medica Rinse with water. Get medical attention if irrit Rinse mouth. Get medical attention if sympto | not use mouth-to-mouth meth he aid of a pocket mask equip rice. If experiencing respirator and wash skin with soap and al attention and take along the ation develops and persists. oms occur. an allergic skin reaction. Derr | od if victim inhaled th ped with a one-way y symptoms: Call a water. In case of ese instructions. natitis. Rash. |
| Skin contact Eye contact ngestion Most important symptoms/effects, acute and lelayed ndication of immediate nedical attention and special | Oxygen or artificial respiration if needed. Do substance. Induce artificial respiration with th valve or other proper respiratory medical dev poison center or doctor/physician. Remove contaminated clothing immediately eczema or other skin disorders: Seek medica Rinse with water. Get medical attention if irrit Rinse mouth. Get medical attention if sympto Coughing. Difficulty in breathing. May cause Provide general supportive measures and tree | not use mouth-to-mouth meth he aid of a pocket mask equip rice. If experiencing respirator and wash skin with soap and al attention and take along the ation develops and persists. oms occur. an allergic skin reaction. Derr eat symptomatically. Keep vict e/attention. If you feel unwell, medical personnel are aware mselves. Show this safety dat | od if victim inhaled th ped with a one-way y symptoms: Call a water. In case of ese instructions. natitis. Rash. im under observation seek medical advice of the material(s) |
| Skin contact Eye contact Ingestion Most important Symptoms/effects, acute and lelayed Indication of immediate nedical attention and special reatment needed General information | Oxygen or artificial respiration if needed. Do substance. Induce artificial respiration with th valve or other proper respiratory medical devision center or doctor/physician. Remove contaminated clothing immediately eczema or other skin disorders: Seek medical Rinse with water. Get medical attention if irritt Rinse mouth. Get medical attention if symptoc Coughing. Difficulty in breathing. May cause Provide general supportive measures and tree Symptoms may be delayed. IF exposed or concerned: Get medical advice (show the label where possible). Ensure that involved, and take precautions to protect the | not use mouth-to-mouth meth he aid of a pocket mask equip rice. If experiencing respirator and wash skin with soap and al attention and take along the ation develops and persists. oms occur. an allergic skin reaction. Derr eat symptomatically. Keep vict e/attention. If you feel unwell, medical personnel are aware mselves. Show this safety dat | od if victim inhaled th ped with a one-way y symptoms: Call a water. In case of ese instructions. natitis. Rash. im under observation seek medical advice of the material(s) |
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| Skin contact Eye contact ngestion Most important symptoms/effects, acute and lelayed ndication of immediate nedical attention and special reatment needed General information 5. Fire-fighting measures Suitable extinguishing media Unsuitable extinguishing nedia Specific hazards arising from | Oxygen or artificial respiration if needed. Do substance. Induce artificial respiration with th valve or other proper respiratory medical dev poison center or doctor/physician. Remove contaminated clothing immediately eczema or other skin disorders: Seek medical Rinse with water. Get medical attention if irrit Rinse mouth. Get medical attention if sympto Coughing. Difficulty in breathing. May cause Provide general supportive measures and tre Symptoms may be delayed. IF exposed or concerned: Get medical advice (show the label where possible). Ensure that involved, and take precautions to protect the attendance. Wash contaminated clothing bet Water fog. Foam. Dry chemical powder. Carl Water. Do not use water jet as an extinguish | not use mouth-to-mouth meth he aid of a pocket mask equip rice. If experiencing respirator and wash skin with soap and al attention and take along the ation develops and persists. oms occur. an allergic skin reaction. Derr eat symptomatically. Keep vict e/attention. If you feel unwell, medical personnel are aware mselves. Show this safety dat fore reuse. | od if victim inhaled th ped with a one-way y symptoms: Call a water. In case of use instructions. natitis. Rash. im under observation seek medical advice of the material(s) a sheet to the doctor |

| Specific methods | Use standard firefighting procedures and consider the hazards of other involved materials. |
|----------------------|--|
| General fire hazards | No unusual fire or explosion hazards noted. |

6. Accidental release measures

| Personal precautions, protective equipment and emergency procedures | Keep unnecessary personnel away. Keep people away from and upwind of spill/leak. Wear appropriate protective equipment and clothing during clean-up. Avoid breathing mist/vapors. Do not touch damaged containers or spilled material unless wearing appropriate protective clothing. Ensure adequate ventilation. Local authorities should be advised if significant spillages cannot be contained. For personal protection, see section 8 of the SDS. |
|---|---|
| Methods and materials for containment and cleaning up | Use water spray to reduce vapors or divert vapor cloud drift. |
| 5 | Large Spills: Stop the flow of material, if this is without risk. Dike the spilled material, where this is possible. Absorb in vermiculite, dry sand or earth and place into containers. Following product recovery, flush area with water. |
| | Small Spills: Wipe up with absorbent material (e.g. cloth, fleece). Clean surface thoroughly to remove residual contamination. |
| | Never return spills to original containers for re-use. Put material in suitable, covered, labeled containers. |
| Environmental precautions | Avoid discharge into drains, water courses or onto the ground. |
| 7. Handling and storage | |
| Precautions for safe handling | Obtain special instructions before use. Do not handle until all safety precautions have been read and understood. Avoid breathing mist/vapors. Avoid contact with eyes, skin, and clothing. Avoid prolonged exposure. Should be handled in closed systems, if possible. Use only outdoors or in a well-ventilated area. Wear appropriate personal protective equipment. Observe good industrial hygiene practices. |
| Conditions for safe storage, including any incompatibilities | Store locked up. Store in tightly closed container. Store in a well-ventilated place. Keep out of the reach of children. Store away from incompatible materials (see Section 10 of the SDS). |

8. Exposure controls/personal protection

Occupational exposure limits

The following constituents are the only constituents of the product which have a PEL, TLV or other recommended exposure limit. At this time, the other constituents have no known exposure limits.

US. OSHA Table Z-1 Limits for Air Contaminants (29 CFR 1910.1000)

| Components | Туре | Value | Form |
|--|---------|------------|----------------------|
| CALCIUM CARBONATE (CAS 1317-65-3) | PEL | 5 mg/m3 | Respirable fraction. |
| | | 15 mg/m3 | Total dust. |
| Calcium oxide (CaO) (CAS 1305-78-8) | PEL | 5 mg/m3 | |
| CARBON BLACK (CAS 1333-86-4) | PEL | 3.5 mg/m3 | |
| Toluene-2,4-diisocyanate (CAS 584-84-9) | Ceiling | 0.14 mg/m3 | |
| | | 0.02 ppm | |
| Constituents | Туре | Value | Form |
| QUARTZ (SIO2) (CAS 14808-60-7) | PEL | 0.05 mg/m3 | Respirable dust. |
| US. OSHA Table Z-3 (29 CFR 1910.1000 |) | | |
| Constituents | Туре | Value | Form |
| QUARTZ (SIO2) (CAS 14808-60-7) | TWA | 0.1 mg/m3 | Respirable. |
| | | 2.4 mppcf | Respirable. |
| US. ACGIH Threshold Limit Values | | | |
| Components | Туре | Value | Form |
| Calcium oxide (CaO) (CAS 1305-78-8) | TWA | 2 mg/m3 | |

| US. ACGIH Threshold Limi Components | Туре | | v | /alue | Form |
|---|---|--|--------------------------------|---|---|
| CARBON BLACK (CAS 1333-86-4) | TWA | | ć | 3 mg/m3 | Inhalable fraction. |
| Toluene-2,4-diisocyanate (CAS 584-84-9) | STEL | | (| 0.005 ppm | Inhalable fraction and vapor. |
| | TWA | | (|).001 ppm | Inhalable fraction and vapor. |
| Constituents | Туре | | • | /alue | Form |
| QUARTZ (SIO2) (CAS 14808-60-7) | TWA | | (|).025 mg/m3 | Respirable fraction. |
| US. NIOSH: Pocket Guide t Components | o Chemical Hazards Type | | , | /alue | Form |
| CALCIUM CARBONATE (CAS 1317-65-3) | TWA | | Ę | 5 mg/m3 | Respirable. |
| | | | | 10 mg/m3 | Total |
| Calcium oxide (CaO) (CAS 1305-78-8) | TWA | | 2 | 2 mg/m3 | |
| CARBON BLACK (CAS 1333-86-4) | TWA | | (|).1 mg/m3 | |
| Constituents | Туре | | , | /alue | Form |
| QUARTZ (SIO2) (CAS 14808-60-7) | TWA | | (|).05 mg/m3 | Respirable dust. |
| ological limit values | | | | | |
| ACGIH Biological Exposure Components | e Indices Value | Determinant | Specimen | Sampling | Time |
| Toluene-2,4-diisocyanate (CAS 584-84-9) | 5 µg/g | Toluene diamine (sum of 2,4- and 2,6-isomers), with hydrolysis | Creatinine i urine | n * | |
| * - For sampling details, plea | se see the source docu | ument. | | | |
| posure guidelines | | | | | |
| US ACGIH Threshold Limit | Values: Skin designa | tion | | | |
| Toluene-2,4-diisocyanat | , , , | | e absorbed thr | • | |
| propriate engineering ntrols | applicable, use proc maintain airborne le | ess enclosures, lo vels below recomm | cal exhaust ve nended expos | entilation, or othe ure limits. If exp | e matched to conditions. If er engineering controls to osure limits have not been I ventilation normally |
| lividual protection measures Eye/face protection | | | | irator with orgar | nic vapor cartridge and ful |
| Skin protection Hand protection | | trial settinas only. | Wear appropri | ate chemical re | sistant gloves. |
| Other | Applicable for industrial settings only. Wear appropriate chemical resistant gloves. Applicable for industrial settings only. Wear appropriate chemical resistant clothing. Use of an impervious apropriate settings only. | | | | |
| Respiratory protection | | impervious apron is recommended. Applicable for industrial settings only. Chemical respirator with organic vapor cartridge and full | | | |
| Thermal hazards | | ermal protective cl | lothing, when | necessary. | |
| neral hygiene | Wear appropriate thermal protective clothing, when necessary. Observe any medical surveillance requirements. Always observe good personal hygiene measures, such as washing after handling the material and before eating, drinking, and/or smoking. Routinely wash work clothing and protective equipment to remove contaminants. Contaminated work clothing should not be allowed out of the workplace. | | | | |

9. Physical and chemical properties

| AppearanceSolid.Pipsical stateSolid.Pipsical stateSolid.Pipsical stateSolid.ColorPartoleum.Solvent.Odor tresholdNot available.PitNot available.Initial boiling point and boiling66:1.6 °F (257 °C) estimatedInitial boiling point and boiling678 °F (3750 °C) estimatedPipsical StateSolvent han EtherFlammability ont and boiling over than EtherNot available.Flammability limit - towerNot available.Flammability limit - towerNot available.Flammability limit - towerNot available.Flammability limit - towerNot available.Vapor ressure0.00001 hPa estimatedRelative densityNot available.Vapor cessureNot available.Pathetin coefficientNot available.Pathetin coefficient | , , | • |
|---|----------------------------------|--|
| FormPaste.Colordark brownOdordark brown.OdorPetroleum, Solvent.OdorMetavallable.pHNot available.Initial boiling point and boiling6978 °F (3750 °C) estimatedInitial boiling point and boiling5982 °F (3750 °C) estimatedPash point> 1994 °F (>93.0 °C)Evaporation rateSlower than EtherFlammability (solid, gas)Not available.Vp=vr/lower flammability or xv=>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>> | Appearance | Solid. |
| Colordark brownOdorPetroleum, Solvent.Odor thresholdNot available.PHNot available.Heiting point/freezing point4661.6 °F (2572 °C) estimatedInitial bolling point and bolling782 °F (3750 °C) estimatedFlash point> 199.4 °F (> 93.0 °C)Flash point> 199.4 °F (> 93.0 °C)Evaporation rateSlower than EtherFlammability (solid, gas)Not available.Piper/lower flammability init - lowerNot available.f flammability limit - lowerNot available.r(%)Not available.f flammability limit - lowerNot available.r(%)Not available.f allev densityNot available.vapor densityNot available.vapor densityNot available.resposive limit - lower (%)Not available.resposive limit - lower (%)Not available.Vapor densityVapor are heavier than air and may travel along the floor and in the bottom of containersRelave densityNot available.Partition coefficientNot available.Pocomposition temperatureNot available.Not available.Not available.Pocomposition temperatureNot available.Postave informationNot available.Postave informationNot available.Postave informationNot available.Postave informationNot available.Postave informationNot available.Postave informationNot available.Postave information | Physical state | Solid. |
| Odor Petroleum, Solvent. Odor threshold Not available. PH Not available. Melting point/freezing point 4661.6 °F (2572 °C) estimated Initial boiling point and boiling 672 °F (3750 °C) estimated Initial boiling point and boiling 572 °F (3750 °C) estimated Flash point > 199.4 °F (> 93.0 °C) Evaporation rate Slower than Ether Flammability (solid, gas) Not available. Vapper/lower flammability or expustre Initial boiling Flammability limit - upper (%) Not available. (%) Not available. (%) Not available. (%) Not available. explosive limit - upper (%) Not available. Vapor pressure 0.00001 hPa estimated Vapor adensity Vapors are heavier than air and may travel along the floor and in the bottom of containers Relative density 1.21 g/cm ³ Solubility (water) Not available. Viscosity Not available. Viscosity Not available. Partition coefficient Not available. | Form | Paste. |
| Order thresholdNot available.pHNot available.Metting point/freezing point4661.6 °F (2572 °C) estimatedInitial bolling point and bolling6782 °F (3750 °C) estimatedinitial bolling point and bolling6782 °F (3750 °C) estimatedFlash point> 199.4 °F (> 93.0 °C)Evaporation rateSlower than EtherFlammability (solid, gas)Not applicable.Upper/lower flammability or exy-tree limitsNot available.flammability (solid, gas)Not available.(%)Not available.flammability limit - upper (%)Not available.flammability (water)Not available.flatie density1.21 g/cm³Solubility (water)Not available.flatie density1.21 g/cm³Solubility (water)Not available.flatie density1.21 g/cm³Solubility (water)Not available.flatie densityNot available. <tr< th=""><th>Color</th><th>dark brown</th></tr<> | Color | dark brown |
| pHNot available.PHNot available.PISP32 °F (2572 °C) estimatedInitial bolling point and bolling prageSP32 °F (2572 °C) estimatedFlam> 199.4 °F (> 93.0 °C)Flam> 199.4 °F (> 93.0 °C)Evaporation rateSolwer than EtherFlammability (solid, gas)Not available.Flammability init - tower (%)Not available.Flammability init - tower (%)Not available.Flammability limit - tower (%)Not available.Papor pressure0.0001 hPa estimatedVapor pressure0.0001 hPa estimatedVapor pressureNot available.Partition certificient (boot)Not available.Partition temperature (boot)Not available.Partition certificient (boot)Not available.Partition temperature (boot)Not available. | Odor | Petroleum, Solvent. |
| Metting point/freezing point 4661.6 °F (2572 °C) estimated Initial boiling point and boiling range 6782 °F (3750 °C) estimated Flash point > 199.4 °F (> 93.0 °C) Evaporation rate Slower than Ether Flammability (solid, gas) Not applicable. Upper/lower flammability or exuurie limits Not available. Flammability limit - lower (%) Not available. Flammability limit - lower (%) Not available. K%) Not available. Explosive limit - lower (%) Not available. Vapor pressure 0.00001 hPa estimated Vapor density Vapors are heavier than air and may travel along the floor and in the bottom of containers Relative density 1.21 g/cm ³ Solubility(water) Not available. Yator officient Not available. Yator officient Not available. Partition ceefficient Not available. Viscosity Not available. Decomposition temperature Not available. Viscosity Not available. Detoring properties Not available. Viscosity No | Odor threshold | Not available. |
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| range > 199.4 °F (> 93.0 °C) Evaporation rate Slower than Ether Flammability (solid, gas) Not applicable. Upper/lower flammability or explosive limits Not available. Flammability limit - lower Not available. (%) Flammability limit - lower Flammability limit - lower Not available. (%) Not available. Explosive limit - lower (%) Not available. (%) Not available. Explosive limit - upper (%) Not available. Vapor pressure 0.00001 hPa estimated Vapor density 1.21 g/cm³ Solubility(les) Solubility (water) Solubility(les) Not available. Solubility(les) Not available. Vato-ignition temperature Not available. Viscosity Not available. Viscosity Not available. Viscosity Not available. Explosive properties Not available. Viscosity Not available. Other information Not available. Explosive properties Not available. Oxidizing properties | Melting point/freezing point | 4661.6 °F (2572 °C) estimated |
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| Farmability (solid, gas) Not applicable. Upper/lower flammability or exponentions Not available. Flammability limit - lower (%) Not available. Flammability limit - upper (%) Not available. Explosive limit - lower (%) Not available. Explosive limit - upper (%) Not available. Vapor pressure 0.00001 hPa estimated Vapor density Vapors are heavier than air and may travel along the floor and in the bottom of containers Relative density 1.21 g/cm ³ Solubility (water) Not available. Partition coefficient Not available. Partition coefficient Not available. Viscosity Not available. Viscosity Not available. Postition temperature Not available. Viscosity Not available. Postition temperature Not available. Postity 1.73 g/cm3 estimated Explosive properties Not explosive. Flash point class Combustible IIIB Oxidizing properties Not explosive. Flash point class Combustible IIIB | Flash point | > 199.4 °F (> 93.0 °C) |
| Upper/lower flammability or explosive limits Not available. Flammability limit - lower (%) Not available. Flammability limit - upper (%) Not available. Explosive limit - lower (%) Not available. Explosive limit - upper (%) Not available. Vapor pressure 0.0001 hPa estimated Vapor density Vapors are heavier than air and may travel along the floor and in the bottom of containers Relative density 1.21 g/cm ³ Solubility(wes) I.21 g/cm ³ Solubility (weter) Not available. Partition coefficient (n-octanol/water) Not available. Auto-ignition temperature Not available. Viscosity Not available. Other information Vavailable. Explosive properties Not available. Possity 1.73 g/cm3 estimated Viscosity Not explosive. Flash point class Combustible IIIB Oxidizing properties Not explosive. Flash point class Combustible IIIB Oxidizing properties Not explosive. Flash point class Combustible IIIB Oxidizing properties Not explosi | Evaporation rate | Slower than Ether |
| Flammability limit - iower (%)Not available.Flammability limit - upper (%)Not available.Explosive limit - lower (%)Not available.Explosive limit - upper (%)Not available.Vapor pressure0.00001 hPa estimatedVapor densityVapors are heavier than air and may travel along the floor and in the bottom of containersRelative density1.21 g/cm³Solubility(ise)Not available.Solubility (water)Not available.Partition coefficient (n-octanol/water)Not available.Auto-ignition temperature Decomposition temperatureNot available.ViscosityNot available.ViscosityNot available.Density1.73 g/cm3 estimatedExplosive properties Not explosive.Not explosive.Flash point class Oxidizing propertiesCombustible IIIBOxidizing properties Specific gravityNot oxidizing.VoCCARB 4.92 % VOC Methed 310 | Flammability (solid, gas) | Not applicable. |
| (%)Not available.Flammability limit - upper (%)Not available.Explosive limit - lower (%)Not available.Explosive limit - upper (%)Not available.Vapor pressure0.00001 hPa estimatedVapor densityVapors are heavier than air and may travel along the floor and in the bottom of containersRelative density1.21 g/cm³Solubility(ies)Not available.Solubility(water)Not available.Partition coefficient (n-octanol/water)Not available.Decomposition temperature (scosityNot available.Other informationNot available.Cother informationI.73 g/cm3 estimatedExplosive properties Flash point classNot explosive.Flash point classCombustible IIIB Oxidizing propertiesNot oxidizing.Oxidizing properties Specific gravityNot oxidizing.VocCARB 4.92 % VOC Method 310 | Upper/lower flammability or expl | losive limits |
| (%)Not available.Explosive limit - lower (%)Not available.Explosive limit - upper (%)Not available.Vapor pressure0.00001 hPa estimatedVapor densityVapors are heavier than air and may travel along the floor and in the bottom of containersRelative density1.21 g/cm³Solubility(ies)Solubility (water)Solubility (water)Not available.Partition coefficient (n-octanol/water)Not available.Auto-ignition temperatureNot available.Decomposition temperatureNot available.ViscosityNot available.Other informationI.73 g/cm3 estimatedExplosive propertiesNot explosive.Flash point classCombustible IIIBOxidizing propertiesNot oxidizing.Percent volatile4 %Specific gravity1.09VOCCARB 4.92 % VOC Method 310 | | Not available. |
| Explosive limit - upper (%)Not available.Vapor pressure0.00001 hPa estimatedVapor densityVapors are heavier than air and may travel along the floor and in the bottom of containersRelative density1.21 g/cm³Solubility(ies)Not available.Solubility (water)Not available.Partition coefficient (n-octanol/water)Not available.Auto-ignition temperatureNot available.Decomposition temperatureNot available.ViscosityNot available.Other information1.73 g/cm3 estimatedExplosive propertiesNot explosive.Flash point classCombustible IIIBOxidizing propertiesNot oxidizing.Percent volatile4 %Specific gravity1.09VOCCARB 4.92 % VOC Method 310 | | Not available. |
| Vapor pressure0.00001 hPa estimatedVapor densityVapors are heavier than air and may travel along the floor and in the bottom of containersRelative density1.21 g/cm³Solubility(ies)Not available.Solubility (water)Not available.Partition coefficient (n-octanol/water)Not available.Auto-ignition temperatureNot available.Decomposition temperatureNot available.ViscosityNot available.Other informationNot available.Density1.73 g/cm3 estimatedExplosive propertiesNot explosive.Flash point classCombustible IIIBOxidizing propertiesNot oxidizing.Percent volatile4 %Specific gravity1.09VOCCARB 4.92 % VOC Method 310 | Explosive limit - lower (%) | Not available. |
| Vapor densityVapors are heavier than air and may travel along the floor and in the bottom of containersRelative density1.21 g/cm³Solubility(ies)Not available.Solubility (water)Not available.Partition coefficient (n-octanol/water)Not available.Auto-ignition temperature Decomposition temperatureNot available.ViscosityNot available.Other informationI.73 g/cm3 estimatedExplosive properties Flash point classNot explosive.Flash point classCombustible IIIBOxidizing properties Percent volatileNot oxidizing.Percent volatile VOC4 %Specific gravity VOC1.09VocCARB 4.92 % VOC Method 310 | Explosive limit - upper (%) | Not available. |
| Relative density 1.21 g/cm³ Solubility(ies) | Vapor pressure | 0.00001 hPa estimated |
| Solubility(ies) Not available. Partition coefficient (n-octanol/water) Not available. Auto-ignition temperature Not available. Decomposition temperature Not available. Viscosity Not available. Other information Not available. Density 1.73 g/cm3 estimated Explosive properties Not explosive. Flash point class Combustible IIIB Oxidizing properties Not oxidizing. Percent volatile 4% Specific gravity 1.09 VOC CARB 4.92 % VOC Method 310 | Vapor density | Vapors are heavier than air and may travel along the floor and in the bottom of containers |
| Solubility (water)Not available.Partition coefficient (n-octanol/water)Not available.Auto-ignition temperatureNot available.Decomposition temperatureNot available.ViscosityNot available.Other informationNot available.Density1.73 g/cm3 estimatedExplosive propertiesNot explosive.Flash point classCombustible IIIBOxidizing propertiesNot oxidizing.Percent volatile4%Specific gravity1.09VOCCARB 4.92 % VOC Method 310 | Relative density | 1.21 g/cm ³ |
| Partition coefficient (n-octanol/water)Not available.Auto-ignition temperatureNot available.Decomposition temperatureNot available.ViscosityNot available.Other informationI.73 g/cm3 estimatedExplosive propertiesNot explosive.Flash point classCombustible IIIBOxidizing propertiesNot oxidizing.Percent volatile4 %Specific gravity1.09VOCCARB 4.92 % VOC Method 310 | Solubility(ies) | |
| (n-octanol/water)Not available.Auto-ignition temperatureNot available.Decomposition temperatureNot available.ViscosityNot available.Other informationI.73 g/cm3 estimatedExplosive propertiesNot explosive.Flash point classCombustible IIIBOxidizing propertiesNot oxidizing.Percent volatile4 %Specific gravity1.09VOCCARB 4.92 % VOC Method 310 | Solubility (water) | Not available. |
| Decomposition temperatureNot available.Decomposition temperatureNot available.ViscosityNot available.Other information1.73 g/cm3 estimatedDensity1.73 g/cm3 estimatedExplosive propertiesNot explosive.Flash point classCombustible IIIBOxidizing propertiesNot oxidizing.Percent volatile4 %Specific gravity1.09VOCCARB4.92 % VOC Method 310 | | Not available. |
| ViscosityNot available.Other information1.73 g/cm3 estimatedDensity1.73 g/cm3 estimatedExplosive propertiesNot explosive.Flash point classCombustible IIIBOxidizing propertiesNot oxidizing.Percent volatile4 %Specific gravity1.09VOCCARB 4.92 % VOC Method 310 | Auto-ignition temperature | Not available. |
| Other information I.73 g/cm3 estimated Density 1.73 g/cm3 estimated Explosive properties Not explosive. Flash point class Combustible IIIB Oxidizing properties Not oxidizing. Percent volatile 4 % Specific gravity 1.09 VOC CARB 4.92 % VOC Method 310 | Decomposition temperature | Not available. |
| Density1.73 g/cm3 estimatedExplosive propertiesNot explosive.Flash point classCombustible IIIBOxidizing propertiesNot oxidizing.Percent volatile4 %Specific gravity1.09VOCCARB 4.92 % VOC Method 310 | Viscosity | Not available. |
| Explosive propertiesNot explosive.Flash point classCombustible IIIBOxidizing propertiesNot oxidizing.Percent volatile4 %Specific gravity1.09VOCCARB 4.92 % VOC Method 310 | Other information | |
| Flash point class Combustible IIIB Oxidizing properties Not oxidizing. Percent volatile 4 % Specific gravity 1.09 VOC CARB 4.92 % VOC Method 310 | Density | 1.73 g/cm3 estimated |
| Oxidizing properties Not oxidizing. Percent volatile 4 % Specific gravity 1.09 VOC CARB 4.92 % VOC Method 310 | Explosive properties | Not explosive. |
| Percent volatile 4 % Specific gravity 1.09 VOC CARB 4.92 % VOC Method 310 | Flash point class | Combustible IIIB |
| Specific gravity1.09VOCCARB4.92 % VOC Method 310 | Oxidizing properties | Not oxidizing. |
| VOC CARB 4.92 % VOC Method 310 | Percent volatile | 4 % |
| 4.92 % VOC Method 310 | Specific gravity | 1.09 |
| | VOC | 4.92 % VOC Method 310 |

10. Stability and reactivity

| Reactivity | The product is stable and non-reactive under normal conditions of use, storage and transport. |
|---------------------------------------|---|
| Chemical stability | Material is stable under normal conditions. |
| Possibility of hazardous reactions | No dangerous reaction known under conditions of normal use. |
| Conditions to avoid | Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. Avoid temperatures exceeding the flash point. Contact with incompatible materials. |
| Incompatible materials | Acids. Strong oxidizing agents. Fluorine. |
| Hazardous decomposition products | No hazardous decomposition products are known. |

11. Toxicological information

Information on likely routes of exposure

| information on likely routes of e | xposure | | |
|--|---|------------------------|--------------------------------------|
| Inhalation | May cause allergy or asthma symptoms or breathing difficulties if inhaled. Prolonged inhalation may be harmful. | | |
| Skin contact | May cause an allergic skin reaction. | | |
| Eye contact | Direct contact with eyes may cause temporary irritation. | | |
| Ingestion | Expected to be a low ingestion | n hazard. | |
| Symptoms related to the physical, chemical and toxicological characteristics | Coughing. Difficulty in breathir | ng. May cause an aller | gic skin reaction. Dermatitis. Rash. |
| Information on toxicological effe | ects | | |
| Acute toxicity | Not known. | | |
| Components | Species | | Test Results |
| Benzenesulfonyl isocyanate, 4-me | ethyl- (CAS 4083-64-1) | | |
| <u>Acute</u> | | | |
| Inhalation LC50 | Rat | | 640 mg/l/4h |
| | | | 040 mg///4m |
| CARBON BLACK (CAS 1333-86-4 <u>Acute</u> | •) | | |
| Oral | | | |
| LD50 | Rat | | > 8000 mg/kg |
| Clarified oils, petroleum, catalytic o | cracked (CAS 64741-62-4) | | |
| <u>Acute</u> | , , , , , , , , , , , , , , , , , , , | | |
| Dermal | | | |
| LD50 | Rabbit | | 2000 mg/kg |
| | Rat | | 2000 mg/kg |
| Oral | | | |
| LD50 | Rat | | 4300 mg/kg |
| Toluene-2,4-diisocyanate (CAS 58 | 34-84-9) | | |
| <u>Acute</u> | | | |
| Inhalation | Det | | 1.4 |
| LC50 | Rat | | 14 mg/l/4h |
| | | | 14 mg/l, 4 Hours |
| Oral LD50 | Rat | | 5800 mg/kg |
| | | | |
| Skin corrosion/irritation | Prolonged skin contact may ca | | |
| Serious eye damage/eye irritation | Direct contact with eyes may o | cause temporary imial | 011. |
| Respiratory or skin sensitizatior | ı | | |
| ACGIH sensitization | | | |
| | ANATE, INHALABLE FRACTION | N Dermal sensitization | |
| AND VAPOR (CAS 584-8 | 34-9) | Respiratory sensitiza | tion |
| Respiratory sensitization | May cause allergy or asthma | | |
| Skin sensitization | May cause an allergic skin rea | | difficulties if infinited. |
| Germ cell mutagenicity | May cause genetic defects. | | |
| Carcinogenicity | May cause cancer. | | |
| | Evaluation of Carcinogenicity | | |
| CARBON BLACK (CAS 1 | | 2B Possibly carcinog | enic to humans. |
| QUARTZ (SIO2) (CAS 14 | 1808-60-7) | 1 Carcinogenic to hu | mans. |
| Toluene-2,4-diisocyanate | e (CAS 584-84-9) | 2B Possibly carcinog | enic to humans. |
| | | | |

| OSHA Specifically Pagulat | d Substand | 000 (20 CEP 1010 1001 1052) | | |
|--|---|---|---|--|
| QUARTZ (SIO2) (CAS 1 | | ces (29 CFR 1910.1001-1052) Cancer | | |
| US. National Toxicology Pr | , | | | |
| QUARTZ (SIO2) (CAS 1 | 4808-60-7) | Known | Го Be Human Carcinogen. | |
| Reproductive toxicity | This produ | This product is not expected to cause reproductive or developmental effects. | | |
| Specific target organ toxicity - single exposure | Not classi | fied. | | |
| Specific target organ toxicity - repeated exposure | Not classi | fied. | | |
| Aspiration hazard | Not an as | piration hazard. | | |
| Chronic effects | Prolonged | d inhalation may be harmful. P | rolonged exposure may cause chronic effects. | |
| 12. Ecological information | n | | | |
| Ecotoxicity | | | mentally hazardous. However, this does not exclude the an have a harmful or damaging effect on the environment. | |
| Components | | Species | Test Results | |
| Clarified oils, petroleum, cata | lytic cracked | d (CAS 64741-62-4) | | |
| | 1.050 | | | |
| Fish | LC50 | Fish | 48 mg/L, 96 Hours | |
| Toluene-2,4-diisocyanate (CA | AS 584-84-9) |) | | |
| Aquatic Fish | LC50 | Eathead minnow (Pimer | hales promelas) 108.8 - 240.4 mg/l, 96 hours | |
| - | | | · · · | |
| Persistence and degradability | no dala is | s available on the degradability | or this product. | |
| Bioaccumulative potential Partition coefficient n-octar | ool / wator (| log Kow) | | |
| DIBUTYL TIN DILAURATE | ioi / water (| 3.12 | | |
| Mobility in soil | No data a | vailable. | | |
| Other adverse effects | No other adverse environmental effects (e.g. ozone depletion, photochemical ozone creation potential, endocrine disruption, global warming potential) are expected from this component. | | | |
| 13. Disposal consideratio | ns | | | |
| Disposal instructions | material u | | d containers at licensed waste disposal site. Incinerate the an approved incinerator. Dispose of contents/container in international regulations. | |
| Local disposal regulations | Dispose ir | n accordance with all applicab | le regulations. | |
| Hazardous waste code | | e code should be assigned in a | 2 or =>12.5, or corrosive to steel] discussion between the user, the producer and the waste | |
| Waste from residues / unused products | product re | of in accordance with local reg esidues. This material and its o instructions). | ulations. Empty containers or liners may retain some container must be disposed of in a safe manner (see: | |
| Contaminated packaging | | | oduct residue, follow label warnings even after container is ken to an approved waste handling site for recycling or | |
| 14. Transport information | | | | |
| | | | | |
| DOT | | | | |

ΙΑΤΑ

Not regulated as dangerous goods.

IMDG

Not regulated as dangerous goods.

Transport in bulk according to Not established.

Annex II of MARPOL 73/78 and the IBC Code

15. Regulatory information

| US federal regulations | | t is a "Hazardou 9 CFR 1910.120 | | d by the OSHA Hazard | Communication | |
|---|--|---|---|--|--|--|
| Toxic Substances Co | | | | | | |
| | (b) Export Notificati | on (40 CFR 70 | 7, Subpt. D) | | | |
| Toluene-2,4-c | liisocyanate (CAS 58 Action Plans, Chemi | 84-84-9) | 0.1 % One-Time E | 0.1 % One-Time Export Notification only. | | |
| Toluene-2,4-diisocyanate (CAS 584-84-9) | | | Toluene Diisocyanate (TDI) And Related Compounds Action Plan [RIN 2070-ZA14] | | | |
| CERCLA Hazardous | Substance List (40 (| CFR 302.4) | | | | |
| Toluene-2,4-diisocyanate (CAS 584-84-9) SARA 304 Emergency release notification | | | Listed. | | | |
| Benzene, 2,4-diisc OSHA Specifically Re | ocyanato-1-methyl- ((gulated Substance: | , | 100 LBS . 1001-1052) | | | |
| QUARTZ (SIO2) (CAS 14808-60-7) | | | Cancer lung effects immune system effects kidney effects | | | |
| Superfund Amendments a SARA 302 Extremely | | - | SARA) | | | |
| Chemical name | CAS number | Reportable quantity (pounds) | Threshold planning quantity (pounds) | Threshold planning quantity, lower value (pounds) | Threshold planning quantity, upper value (pounds) | |
| Toluene-2,4-diisocyan ate | 584-84-9 | 100 | 500 | | | |
| SARA 311/312 Hazard | dous No (Exempt |) | | | | |
| chemical | | | | | | |
| chemical SARA 313 (TRI report Chemical name | ing) | C | AS number | % by wt. | | |
| SARA 313 (TRI report | | | AS number 84-84-9 | % by wt. < 1 | | |
| SARA 313 (TRI report Chemical name | cyanate | | | | | |
| SARA 313 (TRI report Chemical name Toluene-2,4-diisoo | cyanate | 5 | 84-84-9 | | | |
| SARA 313 (TRI report Chemical name Toluene-2,4-diisoo Other federal regulations Clean Air Act (CAA) S Toluene-2,4-diisoo Clean Air Act (CAA) S | Section 112 Hazardo Syanate (CAS 584-84 Section 112(r) Accid | 5 bus Air Pollutar I-9) ental Release I | 84-84-9 nts (HAPs) List | <1 | | |
| SARA 313 (TRI report Chemical name Toluene-2,4-diisoo Other federal regulations Clean Air Act (CAA) S Toluene-2,4-diisoo Clean Air Act (CAA) S | Section 112 Hazardo Section 112 Hazardo Syanate (CAS 584-84 Section 112(r) Accid Syanate (CAS 584-84 | 5 bus Air Pollutar I-9) ental Release I I-9) | 84-84-9 nts (HAPs) List | <1 | | |
| SARA 313 (TRI report Chemical name Toluene-2,4-diisoo Other federal regulations Clean Air Act (CAA) S Toluene-2,4-diisoo Clean Air Act (CAA) S Toluene-2,4-diisoo Safe Drinking Water A (SDWA) | Section 112 Hazardo Section 112 Hazardo Syanate (CAS 584-84 Section 112(r) Accid Syanate (CAS 584-84 | 5 bus Air Pollutar I-9) ental Release I I-9) | 84-84-9 nts (HAPs) List | <1 | | |
| SARA 313 (TRI report Chemical name Toluene-2,4-diisoo Other federal regulations Clean Air Act (CAA) S Toluene-2,4-diisoo Clean Air Act (CAA) S Toluene-2,4-diisoo Safe Drinking Water | Section 112 Hazardo Cyanate (CAS 584-84 Section 112(r) Accid Cyanate (CAS 584-84 Act Not regulate | 5 bus Air Pollutar I-9) ental Release I I-9) | 84-84-9 nts (HAPs) List | <1 | | |
| SARA 313 (TRI report Chemical name Toluene-2,4-diisoo Other federal regulations Clean Air Act (CAA) S Toluene-2,4-diisoo Clean Air Act (CAA) S Toluene-2,4-diisoo Safe Drinking Water A (SDWA) US state regulations California Proposition | cyanate Section 112 Hazardo cyanate (CAS 584-84 Section 112(r) Accid cyanate (CAS 584-84 Act Not regulate n 65 G: This product car | 5 Dus Air Pollutar ental Release 1-9) ed. n expose you to ate of California | 84-84-9 nts (HAPs) List Prevention (40 CFR 6 | < 1 8.130) ARBON BLACK: QUAR | TZ (SIO2), which are | |
| SARA 313 (TRI report Chemical name Toluene-2,4-diisoo Other federal regulations Clean Air Act (CAA) S Toluene-2,4-diisoo Clean Air Act (CAA) S Toluene-2,4-diisoo Safe Drinking Water A (SDWA) US state regulations California Proposition WARNIN | cyanate Section 112 Hazardo cyanate (CAS 584-84 Section 112(r) Accid cyanate (CAS 584-84 Act Not regulate n 65 G: This product car known to the Sta | 5 bus Air Pollutar ental Release 1-9) ed. n expose you to ate of California nings.ca.gov. | 84-84-9 hts (HAPs) List Prevention (40 CFR 6 chemicals including C, to cause cancer. For n | < 1 8.130) ARBON BLACK: QUAR | TZ (SIO2), which are | |
| SARA 313 (TRI report Chemical name Toluene-2,4-diisoo Other federal regulations Clean Air Act (CAA) S Toluene-2,4-diisoo Clean Air Act (CAA) S Toluene-2,4-diisoo Safe Drinking Water A (SDWA) US state regulations California Proposition WARNIN California Propos CARBON BLA QUARTZ (SIC | Section 112 Hazardo Section 112 Hazardo Syanate (CAS 584-84 Section 112(r) Accid Syanate (CAS 584-84 Act Not regulate n 65 G: This product car known to the Sta to www.P65War Sition 65 - CRT: List ACK (CAS 1333-86-4 D2) (CAS 14808-60-7 | 5 bus Air Pollutar ental Release (-9) ed. (-9) ed. (-9) ed. (-9) ed. (-9) ed. (-9) ed. (-9) (-9 | 84-84-9 hts (HAPs) List Prevention (40 CFR 64 chemicals including C/ to cause cancer. For n ogenic substance Listed: February 2 Listed: October 1, | < 1 8.130) ARBON BLACK: QUAR nore information go | | |
| SARA 313 (TRI report Chemical name Toluene-2,4-diisod Other federal regulations Clean Air Act (CAA) S Toluene-2,4-diisod Clean Air Act (CAA) S Toluene-2,4-diisod Safe Drinking Water A (SDWA) US state regulations California Proposition WARNIN California Propos CARBON BLA QUARTZ (SIC US. California. Ca subd. (a)) Benzenesulfo CARBON BLA Clarified oils, Hydrotreated QUARTZ (SIC | Section 112 Hazardo Section 112 Hazardo Syanate (CAS 584-84 Section 112(r) Accid Syanate (CAS 584-84 Act Not regulate n 65 G: This product car known to the Sta to www.P65War Sition 65 - CRT: List ACK (CAS 1333-86-4 D2) (CAS 14808-60-7 | 5 bus Air Pollutar ental Release i -9) ed. i expose you to ate of California nings.ca.gov. ed date/Carcin i) bist. Safer Col thyl- (CAS 4083) cracked (CAS 643 7) | 84-84-9 hts (HAPs) List Prevention (40 CFR 64 chemicals including C/ to cause cancer. For n ogenic substance Listed: February 2 Listed: October 1, nsumer Products Reg 3-64-1) 4741-62-4) | < 1 8.130) ARBON BLACK: QUAR nore information go 1, 2003 1988 | | |

International Inventories

| Country(s) or region | Inventory name On inventory (| yes/no)* |
|-----------------------------|---|----------|
| Australia | Australian Inventory of Chemical Substances (AICS) | No |
| Canada | Domestic Substances List (DSL) | Yes |
| Canada | Non-Domestic Substances List (NDSL) | No |
| China | Inventory of Existing Chemical Substances in China (IECSC) | No |
| Europe | European Inventory of Existing Commercial Chemical Substances (EINECS) | No |
| Europe | European List of Notified Chemical Substances (ELINCS) | No |
| Japan | Inventory of Existing and New Chemical Substances (ENCS) | No |
| Korea | Existing Chemicals List (ECL) | No |
| New Zealand | New Zealand Inventory | No |
| Philippines | Philippine Inventory of Chemicals and Chemical Substances (PICCS) | No |
| Taiwan | Taiwan Chemical Substance Inventory (TCSI) | No |
| United States & Puerto Rico | Toxic Substances Control Act (TSCA) Inventory | Yes |
| ** *** | | |

*A "Yes" indicates that all components of this product comply with the inventory requirements administered by the governing country(s) A "No" indicates that one or more components of the product are not listed or exempt from listing on the inventory administered by the governing country(s).

16. Other information, including date of preparation or last revision

| Issue date | 13-August-2014 |
|----------------------|---|
| Revision date | 25-January-2019 |
| Version # | 14 |
| HMIS® ratings | Health: 3* Flammability: 0 Physical hazard: 0 |
| NFPA ratings | Health: 3 Flammability: 0 Instability: 0 |
| Disclaimer | CETCO, an MTI Company cannot anticipate all conditions under which this information and its product, or the products of other manufacturers in combination with its product, may be used. It is the user's responsibility to ensure safe conditions for handling, storage and disposal of the product, and to assume liability for loss, injury, damage or expense due to improper use. The information in the sheet was written based on the best knowledge and experience currently available. The information provided in this Safety Data Sheet is correct to the best of our knowledge, information and belief at the date of its publication. The manufacturer expressly does not make any representations, warranties, or guarantees as to its accuracy, reliability or completeness nor assumes any liability, for its use. It is the user's responsibility to verify the suitability and completeness of such information for each particular use. The information given is designed only as a guidance for safe handling, use, processing, storage, transportation, disposal and release and is not to be considered a warranty or quality specification. The information relates only to the specific material designated and may not be valid for such material used in combination with any other materials or in any process, unless specified in the text. |
| Revision information | This document has undergone significant changes and should be reviewed in its entirety. |