

# MED1-4161

## Safety Data Sheet

According to Federal Register / Vol. 77, No. 58 / Monday, March 26, 2012 / Rules and Regulations  
Revision Date: 07/14/2021 Date of Issue: 04/20/2015

### SECTION 1: Identification

#### 1.1. Product Identifier

Product Form Mixture  
Product Name MED1-4161  
Synonyms Silicone Dispersion

#### 1.2. Relevant Identified Uses of the Substance or Mixture and Uses Advised Against

Use of the Substance/Mixture For professional use only

#### 1.3. Details of the Supplier of the Safety Data Sheet

NuSil Technology LLC  
1050 Cindy Lane  
Carpinteria, California 93013  
USA  
(805) 684-8780  
[ehs@nusil.com](mailto:ehs@nusil.com)  
[www.nusil.com](http://www.nusil.com)

#### 1.4. Emergency Telephone Number

Emergency Number 800-424-9300 CHEMTREC (in US); +1 703-527-3887 CHEMTREC (International and Maritime)

### SECTION 2: Hazards Identification

#### 2.1. Classification of the Substance or Mixture

##### GHS-US Classification

Flam. Liq. 3 H226  
Skin Irrit. 2 H315  
Eye Irrit. 2A H319  
Skin Sens. 1 H317  
Repr. 2 H361  
STOT SE 3 H336  
Asp. Tox. 1 H304  
Aquatic Acute 2 H401

Full text of hazard classes and H-statements : see section 16

#### 2.2. Label Elements

##### GHS-US Labeling

Hazard Pictograms (GHS-US)



GHS02

GHS07

GHS08

Signal Word (GHS-US)

Danger

Hazard Statements (GHS-US)

H226 - Flammable liquid and vapor  
H304 - May be fatal if swallowed and enters airways  
H315 - Causes skin irritation  
H317 - May cause an allergic skin reaction  
H319 - Causes serious eye irritation  
H336 - May cause drowsiness or dizziness

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### Precautionary Statements (GHS-US)

H361 - Suspected of damaging fertility or the unborn child  
H401 - Toxic to aquatic life  
P201 - Obtain special instructions before use.  
P202 - Do not handle until all safety precautions have been read and understood.  
P210 - Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. 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.  
P261 - Avoid breathing mist, spray, vapors.  
P264 - Wash hands, forearms, and exposed areas thoroughly after handling.  
P271 - Use only outdoors or in a well-ventilated area.  
P272 - Contaminated work clothing must not be allowed out of the workplace.  
P273 - Avoid release to the environment.  
P280 - Wear eye protection, protective clothing, protective gloves, face protection.  
P301+P310 - If swallowed: Immediately call a poison center or doctor.  
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 at rest in a position 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.  
P308+P313 - If exposed or concerned: Get medical advice/attention.  
P312 - Call a poison center or doctor if you feel unwell.  
P321 - Specific treatment (see Section 4 on this SDS).  
P331 - Do NOT induce vomiting.  
P333+P313 - If skin irritation or rash occurs: Get medical advice/attention.  
P337+P313 - If eye irritation persists: Get medical advice/attention.  
P362+P364 - Take off contaminated clothing and wash it before reuse.  
P370+P378 - In case of fire: Use dry chemical powder, alcohol-resistant foam, carbon dioxide (CO<sub>2</sub>) to extinguish.  
P403+P235 - Store in a well-ventilated place. Keep cool.  
P405 - Store locked up.  
P501 - Dispose of contents/container in accordance with local, regional, national, and international regulations.

### 2.3. Other Hazards

Other Hazards Not Contributing to the Classification

Exposure may aggravate pre-existing eye, skin, or respiratory conditions.

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### 2.4. Unknown Acute Toxicity (GHS-US)

No data available

## SECTION 3: Composition/Information On Ingredients

### 3.1. Substances

Not applicable

### 3.2. Mixtures

| Name  | Product Identifier   | %       | GHS-US Classification  |
|---|----------------------|---------|--|
| Xylenes (o-, m-, p- isomers)                    | (CAS-No.) 1330-20-7  | 30 - 50 | Flam. Liq. 3, H226<br>Acute Tox. 4 (Dermal), H312<br>Acute Tox. 4<br>(Inhalation:vapor), H332<br>Skin Irrit. 2, H315<br>Eye Irrit. 2A, H319<br>STOT SE 3, H336<br>Asp. Tox. 1, H304<br>Aquatic Acute 2, H401 |
| Alkanes, C10-13-iso-                            | (CAS-No.) 68551-17-7 | 10 - 30 | Flam. Liq. 3, H226<br>Asp. Tox. 1, H304  |
| Isopropyl alcohol                               | (CAS-No.) 67-63-0    | 5 - 10  | Flam. Liq. 2, H225<br>Eye Irrit. 2A, H319<br>STOT SE 3, H336   |
| Glycidoxypropyltrimethoxysilane                 | (CAS-No.) 2530-83-8  | < 3     | Eye Dam. 1, H318<br>Aquatic Acute 3, H402  |
| N-[3-(Trimethoxysilyl)propyl]-1,2-ethanediamine | (CAS-No.) 1760-24-3  | < 1     | Acute Tox. 4<br>(Inhalation:dust,mist), H332<br>Eye Dam. 1, H318<br>Skin Sens. 1, H317<br>Aquatic Acute 2, H401  |
| Octamethylcyclotetrasiloxane                    | (CAS-No.) 556-67-2   | < 1     | Flam. Liq. 3, H226<br>Repr. 2, H361<br>Aquatic Chronic 4, H413   |

Full text of H-phrases: see section 16

The specific chemical identity and/or exact percentage of composition have been withheld as a trade secret [29 CFR 1910.1200].

## SECTION 4: First Aid Measures

### 4.1. Description of First-aid Measures

First-aid Measures General

Never give anything by mouth to an unconscious person. If you feel unwell, seek medical advice (show the label where possible).

First-aid Measures After Inhalation

When symptoms occur: go into open air and ventilate suspected area. Obtain medical attention if breathing difficulty persists.

First-aid Measures After Skin Contact

Immediately remove contaminated clothing. Drench affected area with soap and water for at least 15 minutes. Immediately call a poison center or doctor/physician.

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|  |   |
|--|---|
| First-aid Measures After Eye Contact   | Immediately rinse with water for at least 15 minutes. Remove contact lenses, if present and easy to do. Continue rinsing. Immediately call a poison center or doctor/physician.                                   |
| First-aid Measures After Ingestion   | Do NOT induce vomiting. Rinse mouth. Immediately call a POISON CENTER or doctor/physician.  |
| <b>4.2. Most Important Symptoms and Effects Both Acute and Delayed Symptoms/Injuries</b> | Skin sensitization. Causes skin irritation. Causes serious eye irritation. May cause drowsiness and dizziness. May be fatal if swallowed and enters airways. Suspected of damaging fertility or the unborn child. |
| Symptoms/Injuries After Inhalation   | High concentrations may cause central nervous system depression such as dizziness, vomiting, numbness, drowsiness, headache, and similar narcotic symptoms.   |
| Symptoms/Injuries After Skin Contact   | May cause an allergic skin reaction. Redness, pain, swelling, itching, burning, dryness, and dermatitis.  |
| Symptoms/Injuries After Eye Contact  | Contact causes severe irritation with redness and swelling of the conjunctiva.  |
| Symptoms/Injuries After Ingestion  | Aspiration into the lungs can occur during ingestion or vomiting and may cause lung injury.   |
| Chronic Symptoms   | Suspected of damaging fertility or the unborn child.  |

### 4.3. Indication of Any Immediate Medical Attention and Special Treatment Needed

If exposed or concerned, get medical advice and attention. If medical advice is needed, have product container or label at hand.

## SECTION 5: Fire-Fighting Measures

### 5.1. Extinguishing Media

|                                |  |
|--------------------------------|--|
| Suitable Extinguishing Media   | : Dry chemical powder, alcohol-resistant foam, carbon dioxide (CO <sub>2</sub> ). Water may be ineffective but water should be used to keep fire-exposed container cool. |
| Unsuitable Extinguishing Media | : Do not use a heavy water stream. A heavy water stream may spread burning liquid.   |

### 5.2. Special Hazards Arising From the Substance or Mixture

|                  |  |
|------------------|--|
| Fire Hazard      | Flammable liquid and vapor.  |
| Explosion Hazard | May form flammable or explosive vapor-air mixture.                           |
| Reactivity       | Reacts violently with strong oxidizers. Increased risk of fire or explosion. |

### 5.3. Advice for Firefighters

|   |   |
|---|---|
| Precautionary Measures Fire Fighting Instructions | Exercise caution when fighting any chemical fire. Use water spray or fog for cooling exposed containers. In case of major fire and large quantities: Evacuate area. Fight fire remotely due to the risk of explosion. |
| Protection During Firefighting                    | Do not enter fire area without proper protective equipment, including respiratory protection.   |
| Hazardous Combustion Products                     | Carbon oxides (CO, CO <sub>2</sub> ). Silicon oxides. Formaldehyde. Hydrocarbons.   |
| Other Information                                 | Do not allow run-off from fire fighting to enter drains or water courses.   |

## SECTION 6: Accidental Release Measures

### 6.1. Personal Precautions, Protective Equipment And Emergency Procedures

#### General Measures

Do not breathe vapor, mist or spray. Avoid all contact with skin, eyes, or clothing. Keep away from heat, hot surfaces, sparks, open flames, and other ignition sources. No smoking. Use special care to avoid static electric charges.

#### 6.1.1. For Non-Emergency Personnel

##### Protective Equipment

Use appropriate personal protective equipment (PPE).

##### Emergency Procedures

Evacuate unnecessary personnel. Stop leak if safe to do so.

#### 6.1.2. For emergency responders

##### Protective Equipment

Equip cleanup crew with proper protection.

##### Emergency Procedures

Upon arrival at the scene, a first responder is expected to recognize the presence of dangerous goods, protect oneself and the public, secure the area, and call for the assistance of trained personnel as soon as conditions permit. Eliminate ignition sources first, then ventilate the area.

### 6.2. Environmental Precautions

Prevent entry to sewers and public waters. Avoid release to the environment.

### 6.3. Methods and Materials for Containment and Cleaning Up

#### For Containment

Contain any spills with dikes or absorbents to prevent migration and entry into sewers or streams. As an immediate precautionary measure, isolate spill or leak area in all directions.

#### Methods for Cleaning Up

Clean up spills immediately and dispose of waste safely. Absorb and/or contain spill with inert material. Do not take up in combustible material such as: saw dust or cellulosic material. Transfer spilled material to a suitable container for disposal. Use only non-sparking tools. Contact competent authorities after a spill.

### 6.4. Reference to Other Sections

See Section 8 for exposure controls and personal protection and Section 13 for disposal considerations.

## SECTION 7: Handling And Storage

### 7.1. Precautions for Safe Handling

#### Additional Hazards When Processed

Handle empty containers with care because residual vapors are flammable.

#### Precautions for Safe Handling

Obtain special instructions before use. Do not handle until all safety precautions have been read and understood. Do not get in eyes, on skin, or on clothing. Do not breathe vapors, mist, spray. Take precautionary measures against static discharge. Use only non-sparking tools. Handle empty containers with care because they may still present a hazard. Wash hands and other exposed areas with mild soap and water before eating, drinking or smoking and when leaving work.

#### Hygiene Measures

Handle in accordance with good industrial hygiene and safety procedures.

**7.2. Conditions for Safe Storage, Including Any Incompatibilities**

Technical Measures

Comply with applicable regulations. Take action to prevent static discharges. Ground and bond container and receiving equipment. Use explosion-proof electrical, ventilating, and lighting equipment.

Storage Conditions

Keep in fireproof place. Keep/Store away from direct sunlight, extremely high or low temperatures and incompatible materials. Store in a dry, cool place. Store locked up/in a secure area. Store in a well-ventilated place. Keep container tightly closed.

Incompatible Materials

Strong acids, strong bases, strong oxidizers.

**7.3. Specific End Use(S)**

For professional use only.

**SECTION 8: Exposure Controls/Personal Protection**

**8.1. Control Parameters**

For substances listed in section 3 that are not listed here, there are no established exposure limits from the manufacturer, supplier, importer, or the appropriate advisory agency including: ACGIH (TLV), or OSHA (PEL).

|  |                         |   |
|--|-------------------------|---|
| Isopropyl alcohol (67-63-0)              |                         |   |
| USA ACGIH                                | ACGIH OEL TWA [ppm]     | 200 ppm   |
| USA ACGIH                                | ACGIH OEL STEL [ppm]    | 400 ppm   |
| USA ACGIH                                | ACGIH chemical category | Not Classifiable as a Human Carcinogen  |
| USA ACGIH                                | BEI (BLV)               | 40 mg/l Parameter: Acetone - Medium: urine - Sampling time: end of shift at end of workweek (background, nonspecific) |
| USA OSHA                                 | OSHA PEL (TWA) [1]      | 980 mg/m <sup>3</sup>   |
| USA OSHA                                 | OSHA PEL (TWA) [2]      | 400 ppm   |
| Xylenes (o-, m-, p- isomers) (1330-20-7) |                         |   |
| USA ACGIH                                | ACGIH OEL TWA [ppm]     | 100 ppm   |
| USA ACGIH                                | ACGIH OEL STEL [ppm]    | 150 ppm   |
| USA ACGIH                                | ACGIH chemical category | Not Classifiable as a Human Carcinogen  |
| USA ACGIH                                | BEI (BLV)               | 1.5 g/g Kreatinin Parameter: Methylhippuric acids - Medium: urine - Sampling time: end of shift                       |
| USA OSHA                                 | OSHA PEL (TWA) [1]      | 435 mg/m <sup>3</sup>   |
| USA OSHA                                 | OSHA PEL (TWA) [2]      | 100 ppm   |

**8.2. Exposure Controls**

Appropriate Engineering Controls

Emergency eye wash fountains and safety showers should be available in the immediate vicinity of any potential exposure. Ensure adequate ventilation, especially in confined areas. Ensure all national/local regulations are observed. Gas detectors should be used when flammable gases or vapors may be released. Proper grounding procedures to avoid static electricity should be followed. Use explosion-proof equipment.

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### Personal Protective Equipment

Gloves. Protective clothing. Protective goggles. Insufficient ventilation: wear respiratory protection.



### Materials For Protective Clothing

Chemically resistant materials and fabrics. Wear fire/flame resistant/retardant clothing.

### Hand Protection

Wear protective gloves.

### Eye And Face Protection

Chemical safety goggles.

### Skin And Body Protection

Wear suitable protective clothing.

### Respiratory Protection

If exposure limits are exceeded or irritation is experienced, approved respiratory protection should be worn. In case of inadequate ventilation, oxygen deficient atmosphere, or where exposure levels are not known wear approved respiratory protection.

### Other Information

When using, do not eat, drink or smoke.

## SECTION 9: Physical and Chemical Properties

### 9.1. Information on Basic Physical and Chemical Properties

|                                       |                   |
|---------------------------------------|-------------------|
| Physical State                        | Liquid            |
| Appearance                            | Colorless         |
| Odor                                  | Solvent           |
| Odor Threshold                        | No data available |
| pH                                    | No data available |
| Evaporation Rate                      | No data available |
| Melting Point                         | No data available |
| Freezing Point                        | No data available |
| Boiling Point                         | 140 °C (284 °F)   |
| Flash Point                           | 27 °C (81 °F)     |
| Auto-ignition Temperature             | No data available |
| Decomposition Temperature             | No data available |
| Flammability (solid, gas)             | Not applicable    |
| Vapor Pressure                        | No data available |
| Relative Vapor Density at 20°C        | No data available |
| Relative Density                      | < 1 (water = 1)   |
| Specific Gravity                      | < 1               |
| Solubility                            | No data available |
| Partition Coefficient n-Octanol/Water | No data available |
| Viscosity                             | No data available |

### 9.2. Other Information

VOC Content 60 – 70 %

## SECTION 10: Stability and Reactivity

### 10.1. Reactivity

Reacts violently with strong oxidizers. Increased risk of fire or explosion.

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### 10.2. Chemical Stability

Flammable liquid and vapor. May form flammable or explosive vapor-air mixture.

### 10.3. Possibility of Hazardous Reactions

Hazardous polymerization will not occur.

### 10.4. Conditions to Avoid

Direct sunlight, extremely high or low temperatures, heat, hot surfaces, sparks, open flames, incompatible materials, and other ignition sources.

### 10.5. Incompatible Materials

Strong acids, strong bases, strong oxidizers.

### 10.6. Hazardous Decomposition Products

Will decompose above 150 °C (>300° F) releasing formaldehyde vapors. Formaldehyde is a potential carcinogen and can act as a potential skin and respiratory sensitizer. Formaldehyde can also cause respiratory and eye irritation.

## SECTION 11: Toxicological Information

### 11.1. Information on Toxicological Effects

Acute Toxicity (Oral) : Not classified

Acute Toxicity (Dermal) : Not classified

Acute Toxicity (Inhalation) : Not classified

|   |                                       |
|---|---------------------------------------|
| Alkanes, C10-13-iso- (68551-17-7)                           |                                       |
| LD50 Dermal Rabbit  | > 5000 mg/kg                          |
| Isopropyl alcohol (67-63-0)                                 |                                       |
| LD50 Dermal Rabbit  | 12956 mg/kg (16.4 mL/kg bw)           |
| LC50 Inhalation Rat   | > 10000 ppm (Exposure time: 6 h)      |
| Glycidoxypropyltrimethoxysilane (2530-83-8)                 |                                       |
| LD50 Oral Rat   | 8025 mg/kg                            |
| LD50 Dermal Rabbit  | 4250 mg/kg                            |
| LC50 Inhalation Rat   | > 5.3 mg/l/4h                         |
| N-[3-(Trimethoxysilyl)propyl]-1,2-ethanediamine (1760-24-3) |                                       |
| LD50 Oral Rat   | 2295 mg/kg                            |
| LD50 Dermal Rabbit  | > 2000 mg/kg                          |
| LC50 Inhalation Rat   | 1.49 – 2.44 mg/l/4h                   |
| Octamethylcyclotetrasiloxane (556-67-2)                     |                                       |
| LD50 Oral Rat   | > 4800 mg/kg (No mortality)           |
| LD50 Dermal Rat   | > 2375 mg/kg                          |
| LD50 Dermal Rabbit  | > 2.5 ml/kg (No mortality)            |
| LC50 Inhalation Rat   | 36 mg/l/4h                            |
| Xylenes (o-, m-, p- isomers) (1330-20-7)                    |                                       |
| LD50 Oral Rat   | 3523 mg/kg                            |
| LC50 Inhalation Rat   | 6247 ppm/4h (species: Sprague-Dawley) |
| ATE (Dermal)  | 1,100.00 mg/kg body weight            |
| ATE (Vapors)  | 11.00 mg/l/4h                         |
| Skin Corrosion/Irritation                                   | Causes skin irritation.               |
| Serious Eye Damage/Irritation                               | Causes serious eye irritation.        |
| Respiratory or Skin Sensitization                           | May cause an allergic skin reaction.  |
| Germ Cell Mutagenicity                                      | Not classified                        |
| Carcinogenicity   | Not classified                        |



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|  |   |
|--|---|
| Isopropyl alcohol (67-63-0)                        |   |
| IARC Group   | 3   |
| Xylenes (o-, m-, p- isomers) (1330-20-7)           |   |
| IARC Group   | 3   |
| Reproductive Toxicity                              | : Suspected of damaging fertility or the unborn child.  |
| Specific Target Organ Toxicity (Single Exposure)   | : May cause drowsiness or dizziness.  |
| Specific Target Organ Toxicity (Repeated Exposure) | : Not classified  |
| Aspiration Hazard                                  | May be fatal if swallowed and enters airways.   |
| Symptoms/Injuries After Inhalation                 | High concentrations may cause central nervous system depression such as dizziness, vomiting, numbness, drowsiness, headache, and similar narcotic symptoms. |
| Symptoms/Injuries After Skin Contact               | May cause an allergic skin reaction. Redness, pain, swelling, itching, burning, dryness, and dermatitis.  |
| Symptoms/Injuries After Eye Contact                | Contact causes severe irritation with redness and swelling of the conjunctiva.  |
| Symptoms/Injuries After Ingestion                  | Aspiration into the lungs can occur during ingestion or vomiting and may cause lung injury.   |
| Chronic Symptoms                                   | Suspected of damaging fertility or the unborn child.  |

## SECTION 12: Ecological Information

### 12.1. Toxicity

Ecology - General

Toxic to aquatic life.

Ecology - water

Toxic to aquatic life.

|   |   |
|---|---|
| Isopropyl alcohol (67-63-0)                                 |   |
| LC50 Fish 1   | 9640 mg/l (Exposure time: 96 h - Species: Pimephales promelas [flow-through]) |
| EC50 - Crustacea [1]  | 13299 mg/l (Exposure time: 48 h - Species: Daphnia magna)                     |
| EC50 Other Aquatic Organisms 1                              | 1000 mg/l (Exposure time: 96 h - Species: Desmodesmus subspicatus)            |
| LC50 Fish 2   | 11130 mg/l (Exposure time: 96 h - Species: Pimephales promelas [static])      |
| EC50 Other Aquatic Organisms 2                              | 1000 mg/l (Exposure time: 72 h - Species: Desmodesmus subspicatus)            |
| Glycidoxypropyltrimethoxysilane (2530-83-8)                 |   |
| LC50 Fish 1   | 55 mg/l (Exposure time: 96 h - Species: Cyprinus carpio)                      |
| EC50 - Crustacea [1]  | 710 mg/l (Exposure time: 48 h - Species: Daphnia magna)                       |
| ErC50 (Algae)   | 350 mg/l Exposure time: 96 h - Species: Pseudokirchnerella subcapitata)       |
| NOEC Chronic Crustacea                                      | 100 mg/l  |
| N-[3-(Trimethoxysilyl)propyl]-1,2-ethanediamine (1760-24-3) |   |
| LC50 Fish 1   | 597 mg/l (Species: Danio rerio)   |
| EC50 - Crustacea [1]  | 81 mg/l   |
| ErC50 (Algae)   | 8.8 mg/l (Exposure time: 72 h - Species: Pseudokirchneriella subcapitata)     |
| NOEC Chronic Fish   | 344 mg/l  |



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### 14.1. In Accordance with DOT

|                       |  |
|-----------------------|--|
| Proper Shipping Name  | FLAMMABLE LIQUIDS, N.O.S. (CONTAINS XYLENE, ISOPROPANOL) |
| Hazard Class          | 3  |
| Identification Number | UN1993   |
| Label Codes           | 3  |
| Packing Group         | III  |
| ERG Number            | 128  |



### 14.2. In Accordance with IMDG

|                       |   |
|-----------------------|---|
| Proper Shipping Name  | FLAMMABLE LIQUID, N.O.S. (CONTAINS XYLENE, ISOPROPANOL) |
| Hazard Class          | 3   |
| Identification Number | UN1993  |
| Packing Group         | III   |
| Label Codes           | 3   |
| EmS-No. (Fire)        | F-E   |
| EmS-No. (Spillage)    | S-E   |
| MFAG Number           | 130   |



### 14.3. In Accordance with IATA

|                       |   |
|-----------------------|---|
| Proper Shipping Name  | FLAMMABLE LIQUID, N.O.S. (CONTAINS XYLENE, ISOPROPANOL) |
| Packing Group         | III   |
| Identification Number | UN1993  |
| Hazard Class          | 3   |
| Label Codes           | 3   |
| ERG Code (IATA)       | 3L  |



## SECTION 15: Regulatory Information

### 15.1. US Federal Regulations

All components in this mixture are listed on the United States Environmental Protection Agency Toxic Substances Control Act (TSCA) inventory, have been exempted, are not listed, not disclosed due to CBI requirements or disclosure rules according to the relevant regulation.

|   |  |
|---|--|
| MED1-4161   |  |
| SARA Section 311/312 Hazard Classes                                 | Physical hazard - Flammable (gases, aerosols, liquids, or solids)<br>Health hazard - Skin corrosion or Irritation<br>Health hazard - Respiratory or skin sensitization<br>Health hazard - Serious eye damage or eye irritation<br>Health hazard - Specific target organ toxicity (single or repeated exposure)<br>Health hazard - Aspiration hazard<br>Health hazard - Reproductive toxicity |
| Isopropyl alcohol (67-63-0)   |  |
| Subject to reporting requirements of United States SARA Section 313 |  |
| SARA Section 313 - Emission Reporting                               | 1 % (only if manufactured by the strong acid process, no supplier notification)  |
| Xylenes (o-, m-, p- isomers) (1330-20-7)                            |  |
| Subject to reporting requirements of United States SARA Section 313 |  |
| CERCLA RQ   | 100 lb   |
| SARA Section 313 - Emission Reporting                               | 1 %  |

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### 15.2. US State Regulations

|   |  |
|---|--|
| Xylenes (o-, m-, p- isomers) (1330-20-7)  |  |
| U.S. - California - Proposition 65 - Carcinogens List   | WARNING: This product contains chemicals known to the State of California to cause cancer. |
| Alkanes, C10-13-iso- (68551-17-7)   |  |
| U.S. - Texas - Effects Screening Levels - Long Term   |  |
| U.S. - Texas - Effects Screening Levels - Short Term  |  |
| Isopropyl alcohol (67-63-0)   |  |
| RTK - U.S. - New Jersey - Right to Know Hazardous Substance List                                      |  |
| RTK - U.S. - Pennsylvania - RTK (Right to Know) List  |  |
| U.S. - Minnesota - Hazardous Substance List   |  |
| RTK - U.S. - Massachusetts - Right To Know List   |  |
| U.S. - New Jersey - Special Health Hazards Substances List  |  |
| U.S. - New Jersey - Environmental Hazardous Substances List   |  |
| U.S. - California - Toxic Air Contaminant List (AB 1807, AB 2728)                                     |  |
| U.S. - Tennessee - Occupational Exposure Limits - STELs   |  |
| U.S. - Tennessee - Occupational Exposure Limits - TWAs  |  |
| U.S. - Massachusetts - Toxics Use Reduction Act   |  |
| U.S. - Vermont - Permissible Exposure Limits - TWAs   |  |
| U.S. - Connecticut - Hazardous Air Pollutants - HLVs (8 hr)   |  |
| U.S. - Vermont - Permissible Exposure Limits - STELs  |  |
| U.S. - Washington - Permissible Exposure Limits - TWAs  |  |
| U.S. - Connecticut - Hazardous Air Pollutants - HLVs (30 min)   |  |
| U.S. - Washington - Permissible Exposure Limits - STELs   |  |
| U.S. - Idaho - Non-Carcinogenic Toxic Air Pollutants - Emission Levels (ELs)                          |  |
| U.S. - Idaho - Non-Carcinogenic Toxic Air Pollutants - Acceptable Ambient Concentrations              |  |
| U.S. - New York - Occupational Exposure Limits - TWAs   |  |
| U.S. - Michigan - Occupational Exposure Limits - TWAs   |  |
| U.S. - Michigan - Occupational Exposure Limits - STELs  |  |
| U.S. - Minnesota - Permissible Exposure Limits - STELs  |  |
| U.S. - Minnesota - Permissible Exposure Limits - TWAs   |  |
| U.S. - Connecticut - Volatile Substances  |  |
| U.S. - New Jersey - Discharge Prevention - List of Hazardous Substances                               |  |
| U.S. - Oregon - Permissible Exposure Limits - TWAs  |  |
| U.S. - Texas - Effects Screening Levels - Long Term   |  |
| U.S. - Texas - Effects Screening Levels - Short Term  |  |
| RTK - U.S. - Pennsylvania - RTK (Right to Know) - Environmental Hazard List                           |  |
| U.S. - California - SCAQMD - Toxic Air Contaminants - Non-Cancer Acute                                |  |
| U.S. - California - SCAQMD - Toxic Air Contaminants - Non-Cancer Chronic                              |  |
| U.S. - Texas - City of Austin - Aerosol Paint and Glue Restrictions                                   |  |
| U.S. - North Dakota - Air Pollutants - Guideline Concentrations - 1-Hour                              |  |
| U.S. - North Dakota - Air Pollutants - Guideline Concentrations - 8-Hour                              |  |
| U.S. - Rhode Island - Air Toxics - Acceptable Ambient Levels - 1-Hour                                 |  |
| U.S. - New Hampshire - Regulated Toxic Air Pollutants - Ambient Air Levels (AALs) - 24-Hour           |  |
| U.S. - New Hampshire - Regulated Toxic Air Pollutants - Ambient Air Levels (AALs) - Annual            |  |
| U.S. - California - Safer Consumer Products - Initial List of Candidate Chemicals and Chemical Groups |  |
| Glycidoxypropyltrimethoxysilane (2530-83-8)   |  |
| U.S. - Texas - Effects Screening Levels - Long Term   |  |

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|   |
|---|
| U.S. - Texas - Effects Screening Levels - Short Term  |
| N-[3-(Trimethoxysilyl)propyl]-1,2-ethanediamine (1760-24-3)   |
| U.S. - Texas - Effects Screening Levels - Long Term   |
| U.S. - Texas - Effects Screening Levels - Short Term  |
| Octamethylcyclotetrasiloxane (556-67-2)   |
| U.S. - Texas - Effects Screening Levels - Long Term   |
| U.S. - Texas - Effects Screening Levels - Short Term  |
| U.S. - Maine - Chemicals of Concern   |
| U.S. - Oregon - Priority Persistent Pollutant - Tier I - Persistent Pollutants  |
| U.S. - Minnesota - Chemicals of High Concern  |
| U.S. - Minnesota - Chemicals of High Concern - Persistent Bioaccumulative Toxins  |
| U.S. - California - Safer Consumer Products - Initial List of Candidate Chemicals and Chemical Groups                     |
| Xylenes (o-, m-, p- isomers) (1330-20-7)  |
| U.S. - California - SCAQMD - Toxic Air Contaminants - Non-Cancer Acute  |
| U.S. - California - SCAQMD - Toxic Air Contaminants - Non-Cancer Chronic  |
| U.S. - California - Toxic Air Contaminant List (AB 1807, AB 2728)   |
| U.S. - Colorado - Groundwater Quality Standards   |
| U.S. - Colorado - Hazardous Wastes - Discarded Chemical Products, Off-Specification Species, Container and Spill Residues |
| U.S. - Colorado - Primary Drinking Water Regulations - Maximum Contaminant Level Goals (MCLGs)                            |
| U.S. - Colorado - Primary Drinking Water Regulations - Maximum Contaminant Levels (MCLs)                                  |
| U.S. - Connecticut - Drinking Water Quality Standards - Maximum Contaminant Levels  |
| U.S. - Delaware - Pollutant Discharge Requirements - Reportable Quantities  |
| U.S. - Florida - Drinking Water Standards - Volatile Organic Contaminants - Maximum Contaminant Levels (MCLs)             |
| U.S. - Georgia - Drinking Water - Maximum Contaminant Levels (MCLs)   |
| U.S. - Idaho - Non-Carcinogenic Toxic Air Pollutants - Acceptable Ambient Concentrations                                  |
| U.S. - Idaho - Non-Carcinogenic Toxic Air Pollutants - Emission Levels (ELs)  |
| U.S. - Idaho - Occupational Exposure Limits - TWAs  |
| U.S. - Illinois - Toxic Air Contaminants  |
| U.S. - Louisiana - Reportable Quantity List for Pollutants  |
| U.S. - Maine - Air Pollutants - Hazardous Air Pollutants  |
| U.S. - Massachusetts - Allowable Ambient Limits (AALs)  |
| U.S. - Massachusetts - Allowable Threshold Concentrations (ATCs)  |
| U.S. - Massachusetts - Drinking Water - Maximum Contaminant Levels (MCLs)   |
| U.S. - Massachusetts - Oil & Hazardous Material List - Groundwater Reportable Concentration - Reporting Category 1        |
| U.S. - Massachusetts - Oil & Hazardous Material List - Groundwater Reportable Concentration - Reporting Category 2        |
| U.S. - Massachusetts - Oil & Hazardous Material List - Reportable Quantity  |
| U.S. - Massachusetts - Oil & Hazardous Material List - Soil Reportable Concentration - Reporting Category 1               |
| U.S. - Massachusetts - Oil & Hazardous Material List - Soil Reportable Concentration - Reporting Category 2               |
| RTK - U.S. - Massachusetts - Right To Know List   |
| U.S. - Massachusetts - Threshold Effects Exposure Limits (TELEs)  |
| U.S. - Massachusetts - Toxics Use Reduction Act   |
| U.S. - Michigan - Occupational Exposure Limits - STELs  |

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U.S. - Michigan - Occupational Exposure Limits - TWAs  
U.S. - Michigan - Polluting Materials List  
U.S. - Minnesota - Chemicals of High Concern  
U.S. - Minnesota - Groundwater Health Risk Limits  
U.S. - Minnesota - Hazardous Substance List  
U.S. - Minnesota - Permissible Exposure Limits - STELs  
U.S. - Minnesota - Permissible Exposure Limits - TWAs  
U.S. - Missouri - Drinking Water - Maximum Contaminant Levels (MCLs)  
U.S. - Nebraska - Drinking Water - Maximum Contaminant Levels (MCLs)  
U.S. - New Hampshire - Drinking Water - Maximum Contaminant Levels (MCLs)  
U.S. - New Hampshire - Regulated Toxic Air Pollutants - Ambient Air Levels (AALs) - 24-Hour  
U.S. - New Hampshire - Regulated Toxic Air Pollutants - Ambient Air Levels (AALs) - Annual  
U.S. - New Jersey - Discharge Prevention - List of Hazardous Substances  
U.S. - New Jersey - Environmental Hazardous Substances List  
U.S. - New Jersey - Primary Drinking Water Standards - Maximum Contaminant Levels - MCLs  
RTK - U.S. - New Jersey - Right to Know Hazardous Substance List  
U.S. - New Jersey - Special Health Hazards Substances List  
U.S. - New Jersey - Water Quality - Ground Water Quality Criteria  
U.S. - New Jersey - Water Quality - Practical Quantitation Levels (PQLs)  
U.S. - New Mexico - Water Quality - Standards for Ground Water of 10,000 mg/L TDS Concentration or Less  
U.S. - New York - Occupational Exposure Limits - TWAs  
U.S. - New York - Reporting of Releases Part 597 - List of Hazardous Substances  
U.S. - North Carolina - Control of Toxic Air Pollutants  
U.S. - North Dakota - Air Pollutants - Guideline Concentrations - 1-Hour  
U.S. - North Dakota - Air Pollutants - Guideline Concentrations - 8-Hour  
U.S. - North Dakota - Hazardous Wastes - Discarded Chemical Products, Off-Specification Species, Container and Spill Residues  
U.S. - North Dakota - Water Quality Standards - Human Health Value for Classes I, IA, II  
U.S. - Oregon - Permissible Exposure Limits - TWAs  
U.S. - California - Safer Consumer Products - Initial List of Candidate Chemicals and Chemical Groups  
U.S. - Pennsylvania - Drinking Water - Maximum Contaminant Levels (MCLs)  
RTK - U.S. - Pennsylvania - RTK (Right to Know) - Environmental Hazard List  
RTK - U.S. - Pennsylvania - RTK (Right to Know) List  
U.S. - Rhode Island - Air Toxics - Acceptable Ambient Levels - 1-Hour  
U.S. - Rhode Island - Air Toxics - Acceptable Ambient Levels - 24-Hour  
U.S. - Rhode Island - Air Toxics - Acceptable Ambient Levels - Annual  
U.S. - Rhode Island - Water Quality Standards - Acute Freshwater Aquatic Life Criteria  
All concentrations are expressed as percentages by weight unless the ingredient is a gas.  
U.S. - South Carolina - Maximum Contaminant Levels (MCLs)  
U.S. - South Carolina - Toxic Air Pollutants - Maximum Allowable Concentrations  
U.S. - South Carolina - Toxic Air Pollutants - Pollutant Categories  
U.S. - Tennessee - Occupational Exposure Limits - STELs  
U.S. - Tennessee - Occupational Exposure Limits - TWAs  
U.S. - Texas - City of Austin - Aerosol Paint and Glue Restrictions  
U.S. - Texas - Drinking Water Standards - Maximum Contaminant Levels (MCLs)  
U.S. - Texas - Effects Screening Levels - Long Term  
U.S. - Texas - Effects Screening Levels - Short Term  
U.S. - Utah - Drinking Water - Maximum Contaminant Levels (MCLs)  
U.S. - Washington - Dangerous Waste - Discarded Chemical Products List

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U.S. - Washington - Permissible Exposure Limits - STELS  
U.S. - Washington - Permissible Exposure Limits - TWAs  
U.S. - West Virginia - Water Quality - Groundwater Standards - Ceiling Concentrations  
U.S. - Wisconsin - Hazardous Air Contaminants - All Sources - Emissions From Stack Heights 25 Feet to Less Than 40 Feet  
U.S. - Wisconsin - Hazardous Air Contaminants - All Sources - Emissions From Stack Heights 40 Feet to Less Than 75 Feet  
U.S. - Wisconsin - Hazardous Air Contaminants - All Sources - Emissions From Stack Heights 75 Feet or Greater  
U.S. - Wisconsin - Hazardous Air Contaminants - All Sources - Emissions From Stack Heights Less Than 25 Feet

### SECTION 16: Other Information, Including Date of Preparation or Last Revision

Date of Preparation or Latest Revision 07/14/2021  
Other Information This document has been prepared in accordance with the SDS requirements of the OSHA Hazard Communication Standard 29 CFR 1910.1200.

GHS Full Text Phrases:

|                                     |  |
|-------------------------------------|--|
| Acute Tox. 4 (Dermal)               | Acute toxicity (dermal) Category 4                                     |
| Acute Tox. 4 (Inhalation:dust,mist) | Acute toxicity (inhalation:dust,mist) Category 4                       |
| Acute Tox. 4 (Inhalation:vapor)     | Acute toxicity (inhalation:vapor) Category 4                           |
| Aquatic Acute 2                     | Hazardous to the aquatic environment - Acute Hazard Category 2         |
| Aquatic Acute 3                     | Hazardous to the aquatic environment - Acute Hazard Category 3         |
| Aquatic Chronic 4                   | Hazardous to the aquatic environment - Chronic Hazard Category 4       |
| Asp. Tox. 1                         | Aspiration hazard Category 1   |
| Eye Dam. 1                          | Serious eye damage/eye irritation Category 1                           |
| Eye Irrit. 2A                       | Serious eye damage/eye irritation Category 2A                          |
| Flam. Liq. 2                        | Flammable liquids Category 2   |
| Flam. Liq. 3                        | Flammable liquids Category 3   |
| Repr. 2                             | Reproductive toxicity Category 2                                       |
| Skin Irrit. 2                       | Skin corrosion/irritation Category 2                                   |
| Skin Sens. 1                        | Skin sensitization, Category 1   |
| STOT SE 3                           | Specific target organ toxicity — Single exposure, Category 3, Narcosis |
| H225                                | Highly flammable liquid and vapor                                      |
| H226                                | Flammable liquid and vapor   |
| H304                                | May be fatal if swallowed and enters airways                           |
| H312                                | Harmful in contact with skin   |
| H315                                | Causes skin irritation   |
| H317                                | May cause an allergic skin reaction                                    |
| H318                                | Causes serious eye damage  |
| H319                                | Causes serious eye irritation  |
| H332                                | Harmful if inhaled   |

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|      |  |
|------|--|
| H336 | May cause drowsiness or dizziness                      |
| H361 | Suspected of damaging fertility or the unborn child    |
| H401 | Toxic to aquatic life                                  |
| H402 | Harmful to aquatic life                                |
| H413 | May cause long lasting harmful effects to aquatic life |

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 Hazard

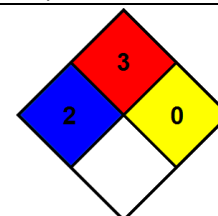
0 - Material that in themselves are normally stable, even under fire conditions.

HMIS III Rating  
Health

2 Moderate Hazard  
\* Chronic

Flammability  
Physical

3 Serious Hazard  
0 Minimal Hazard



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