

# SAFETY DATA SHEET

## 1. Identification

**Material name:** Rock-It® Adhesive

**Material:** 364600A853

**Recommended use and restriction on use**

**Recommended use:** Coatings

**Restrictions on use:** Not known.

**Manufacturer/Importer/Supplier/Distributor Information**

Tremco U.S. Roofing  
3735 Green Road  
Beachwood OH 44122  
US

**Contact person:**

EH&S Department

**Telephone:**

216-292-5000

**Emergency telephone number:**

1-800-424-9300 (US); 1-613-996-6666 (Canada)

## 2. Hazard(s) identification

### Hazard Classification

#### Physical Hazards

Flammable liquids Category 3

#### Health Hazards

Serious Eye Damage/Eye Irritation Category 2A

Germ Cell Mutagenicity Category 1B

Carcinogenicity Category 1A

Toxic to reproduction Category 1B

#### Unknown toxicity - Health

Acute toxicity, oral 48.8 %

Acute toxicity, dermal 48.87 %

Acute toxicity, inhalation, vapor 99.41 %

Acute toxicity, inhalation, dust or mist 99.93 %

#### Environmental Hazards

Acute hazards to the aquatic environment Category 2

#### Unknown toxicity - Environment

Acute hazards to the aquatic environment 75.27 %

Chronic hazards to the aquatic environment 100 %

## Label Elements

### Hazard Symbol:



### Signal Word:

Danger

### Hazard Statement:

Flammable liquid and vapor.  
Causes serious eye irritation.  
May cause genetic defects.  
May cause cancer.  
May damage fertility or the unborn child.  
Toxic to aquatic life.

### Precautionary Statements

#### Prevention:

Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking. Keep container tightly closed. Ground and bond container and receiving equipment. Use explosion-proof [electrical/ventilating/lighting/...] equipment. Use non-sparking tools. Take action to prevent static discharges. Wear protective gloves/protective clothing/eye protection/face protection. Wash thoroughly after handling. Obtain special instructions before use. Do not handle until all safety precautions have been read and understood. Use personal protective equipment as required.

#### Response:

IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. If eye irritation persists: Get medical advice/attention. IF ON SKIN (or hair): Take off immediately all contaminated clothing. Rinse skin with water [or shower]. IF exposed or concerned: Get medical advice/attention. In case of fire: Use... to extinguish.

#### Storage:

Store in a well-ventilated place. Keep cool. Store locked up.

#### Disposal:

Dispose of contents/container to an appropriate treatment and disposal facility in accordance with applicable laws and regulations, and product characteristics at time of disposal.

### Hazard(s) not otherwise classified (HNOC):

Static accumulating flammable liquid can become electrostatically charged even in bonded and grounded equipment. Sparks may ignite liquid and vapor. May cause flash fire or explosion.

## 3. Composition/information on ingredients

## Mixtures

| Chemical Identity                           | CAS number | Content in percent (%)* |
|---|------------|-------------------------|
| Stoddard solvent (Mineral Spirits)          | 8052-41-3  | 15 - 40%                |
| Calcium Carbonate (Limestone)               | 1317-65-3  | 15 - 40%                |
| Diocetyl phthalate                          | 117-81-7   | 7 - 13%                 |
| Titanium dioxide                            | 13463-67-7 | 5 - 10%                 |
| Calcium carbonate                           | 471-34-1   | 5 - 10%                 |
| Aromatic petroleum distillates              | 64742-95-6 | 1 - 5%                  |
| 1,2,4-Trimethylbenzene                      | 95-63-6    | 1 - 5%                  |
| Cellulose                                   | 9004-34-6  | 1 - 5%                  |
| 1,3,5-Trimethylbenzene                      | 108-67-8   | 1 - 5%                  |
| Nonane                                      | 111-84-2   | 0.5 - 1.5%              |
| Naphtha, petroleum, hydrodesulfurized heavy | 64742-82-1 | 0.1 - 1%                |
| Aluminum oxide                              | 1344-28-1  | 0.1 - 1%                |
| Clay  | 1332-58-7  | 0.1 - 1%                |
| Crystalline Silica (Quartz)/ Silica Sand    | 14808-60-7 | 0.1 - 1%                |
| Xylene                                      | 1330-20-7  | 0.1 - 1%                |
| Isobutane                                   | 75-28-5    | 0.1 - 1%                |
| Cumene                                      | 98-82-8    | 0.1 - 1%                |

\* All concentrations are percent by weight unless ingredient is a gas. Gas concentrations are in percent by volume.

## 4. First-aid measures

- Ingestion:** Call a POISON CENTER/doctor if you feel unwell. Rinse mouth.
- Inhalation:** Move to fresh air.
- Skin Contact:** Take off immediately all contaminated clothing. Wash skin thoroughly with soap and water. If skin irritation occurs: Get medical advice/attention.
- Eye contact:** Immediately flush with plenty of water for at least 15 minutes. If easy to do, remove contact lenses. Get medical attention.

### Most important symptoms/effects, acute and delayed

**Symptoms:** Respiratory tract irritation.

### Indication of immediate medical attention and special treatment needed

**Treatment:** Symptoms may be delayed.

## 5. Fire-fighting measures

**General Fire Hazards:** Use water spray to keep fire-exposed containers cool. Water may be ineffective in fighting the fire. Fight fire from a protected location. Move containers from fire area if you can do so without risk.

**Suitable (and unsuitable) extinguishing media**

**Suitable extinguishing media:** Use fire-extinguishing media appropriate for surrounding materials.

**Unsuitable extinguishing media:** Avoid water in straight hose stream; will scatter and spread fire.

**Specific hazards arising from the chemical:** Vapors may travel considerable distance to a source of ignition and flash back. Vapors may cause a flash fire or ignite explosively. Prevent buildup of vapors or gases to explosive concentrations.

**Special protective equipment and precautions for firefighters**

**Special fire fighting procedures:** No data available.

**Special protective equipment for fire-fighters:** Firefighters must use standard protective equipment including flame retardant coat, helmet with face shield, gloves, rubber boots, and in enclosed spaces, SCBA.

**6. Accidental release measures**

**Personal precautions, protective equipment and emergency procedures:** Ventilate closed spaces before entering them. ELIMINATE all ignition sources (no smoking, flares, sparks or flames in immediate area). Keep upwind.

**Methods and material for containment and cleaning up:** Dam and absorb spillages with sand, earth or other non-combustible material. Collect spillage in containers, seal securely and deliver for disposal according to local regulations.

**Notification Procedures:** In the event of a spill or accidental release, notify relevant authorities in accordance with all applicable regulations.

**Environmental Precautions:** Avoid release to the environment. Prevent further leakage or spillage if safe to do so. Do not contaminate water sources or sewer.

**7. Handling and storage**

**Precautions for safe handling:** Do not handle until all safety precautions have been read and understood. Obtain special instructions before use. Use personal protective equipment as required. Avoid contact with eyes. Wash hands thoroughly after handling. Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking. Ground and bond container and receiving equipment. Take precautionary measures against static discharges. Provide adequate ventilation. Wear appropriate personal protective equipment. Observe good industrial hygiene practices.

**Conditions for safe storage, including any incompatibilities:** Store locked up. Store in a well-ventilated place. Store in a cool place.

**8. Exposure controls/personal protection**

**Control Parameters**

**Occupational Exposure Limits**

| Chemical Identity                                    | Type    | Exposure Limit Values                          | Source   |
|--|---------|--|--|
| Stoddard solvent (Mineral Spirits)                   | TWA     | 100 ppm  | US. ACGIH Threshold Limit Values (2011)  |
|  | PEL     | 500 ppm 2,900 mg/m3                            | US. OSHA Table Z-1 Limits for Air Contaminants (29 CFR 1910.1000) (02 2006)                |
| Calcium Carbonate (Limestone) - Total dust.          | PEL     | 15 mg/m3                                       | US. OSHA Table Z-1 Limits for Air Contaminants (29 CFR 1910.1000) (02 2006)                |
| Calcium Carbonate (Limestone) - Respirable fraction. | PEL     | 5 mg/m3  | US. OSHA Table Z-1 Limits for Air Contaminants (29 CFR 1910.1000) (02 2006)                |
| Diocetyl phthalate                                   | TWA     | 5 mg/m3  | US. ACGIH Threshold Limit Values (2011)  |
|  | PEL     | 5 mg/m3  | US. OSHA Table Z-1 Limits for Air Contaminants (29 CFR 1910.1000) (02 2006)                |
| Titanium dioxide                                     | TWA     | 10 mg/m3                                       | US. ACGIH Threshold Limit Values (2011)  |
| Titanium dioxide - Total dust.                       | PEL     | 15 mg/m3                                       | US. OSHA Table Z-1 Limits for Air Contaminants (29 CFR 1910.1000) (02 2006)                |
| Titanium dioxide - Respirable fraction.              | TWA     | 15 millions of particles per cubic foot of air | US. OSHA Table Z-3 (29 CFR 1910.1000) (03 2016)  |
| Titanium dioxide - Total dust.                       | TWA     | 15 mg/m3                                       | US. OSHA Table Z-3 (29 CFR 1910.1000) (03 2016)  |
| Titanium dioxide - Respirable fraction.              | TWA     | 5 mg/m3  | US. OSHA Table Z-3 (29 CFR 1910.1000) (03 2016)  |
| Titanium dioxide - Total dust.                       | TWA     | 50 millions of particles per cubic foot of air | US. OSHA Table Z-3 (29 CFR 1910.1000) (03 2016)  |
| Calcium carbonate - Total dust.                      | PEL     | 15 mg/m3                                       | US. OSHA Table Z-1 Limits for Air Contaminants (29 CFR 1910.1000) (02 2006)                |
| Calcium carbonate - Respirable fraction.             | PEL     | 5 mg/m3  | US. OSHA Table Z-1 Limits for Air Contaminants (29 CFR 1910.1000) (02 2006)                |
| 1,2,4-Trimethylbenzene                               | REL     | 25 ppm 125 mg/m3                               | US. NIOSH: Pocket Guide to Chemical Hazards (2010)   |
|  | TWA     | 25 ppm 125 mg/m3                               | US. OSHA Table Z-1-A (29 CFR 1910.1000) (1989)   |
|  | TWA     | 25 ppm 125 mg/m3                               | US. Tennessee. OELs. Occupational Exposure Limits, Table Z1A (06 2008)                     |
|  | AN ESL  | 25 ppb   | US. Texas. Effects Screening Levels (Texas Commission on Environmental Quality) (07 2011)  |
|  | ST ESL  | 140 ppb  | US. Texas. Effects Screening Levels (Texas Commission on Environmental Quality) (02 2013)  |
|  | ST ESL  | 700 µg/m3                                      | US. Texas. Effects Screening Levels (Texas Commission on Environmental Quality) (02 2013)  |
|  | AN ESL  | 125 µg/m3                                      | US. Texas. Effects Screening Levels (Texas Commission on Environmental Quality) (07 2011)  |
|  | TWA PEL | 25 ppm 125 mg/m3                               | US. California Code of Regulations, Title 8, Section 5155. Airborne Contaminants (08 2010) |
|  | TWA     | 25 ppm   | US. ACGIH Threshold Limit Values (2011)  |
| Cellulose  | TWA     | 10 mg/m3                                       | US. ACGIH Threshold Limit Values (2011)  |

|   |          |   |  |
|---|----------|---|--|
| Cellulose - Total dust.   | PEL      | 15 mg/m <sup>3</sup>                            | US. OSHA Table Z-1 Limits for Air Contaminants (29 CFR 1910.1000) (02 2006)  |
| Cellulose - Respirable fraction.                                | PEL      | 5 mg/m <sup>3</sup>                             | US. OSHA Table Z-1 Limits for Air Contaminants (29 CFR 1910.1000) (02 2006)  |
| 1,3,5-Trimethylbenzene  | TWA      | 25 ppm  | US. ACGIH Threshold Limit Values (2011)                                      |
| Nonane  | TWA      | 200 ppm   | US. ACGIH Threshold Limit Values (02 2012)                                   |
| Naphtha, petroleum, hydrodesulfurized heavy                     | TWA      | 100 ppm   | US. ACGIH Threshold Limit Values (2011)                                      |
|   | PEL      | 500 ppm 2,900 mg/m <sup>3</sup>                 | US. OSHA Table Z-1 Limits for Air Contaminants (29 CFR 1910.1000) (02 2006)  |
| Aluminum oxide - Respirable fraction.                           | TWA      | 1 mg/m <sup>3</sup>                             | US. ACGIH Threshold Limit Values (2011)                                      |
|   | PEL      | 5 mg/m <sup>3</sup>                             | US. OSHA Table Z-1 Limits for Air Contaminants (29 CFR 1910.1000) (02 2006)  |
| Aluminum oxide - Total dust.                                    | PEL      | 15 mg/m <sup>3</sup>                            | US. OSHA Table Z-1 Limits for Air Contaminants (29 CFR 1910.1000) (02 2006)  |
|   | TWA      | 50 millions of particles per cubic foot of air  | US. OSHA Table Z-3 (29 CFR 1910.1000) (03 2016)                              |
| Aluminum oxide - Respirable fraction.                           | TWA      | 15 millions of particles per cubic foot of air  | US. OSHA Table Z-3 (29 CFR 1910.1000) (03 2016)                              |
|   | TWA      | 5 mg/m <sup>3</sup>                             | US. OSHA Table Z-3 (29 CFR 1910.1000) (03 2016)                              |
| Aluminum oxide - Total dust.                                    | TWA      | 15 mg/m <sup>3</sup>                            | US. OSHA Table Z-3 (29 CFR 1910.1000) (03 2016)                              |
| Clay - Respirable fraction.                                     | TWA      | 2 mg/m <sup>3</sup>                             | US. ACGIH Threshold Limit Values (2011)                                      |
|   | PEL      | 5 mg/m <sup>3</sup>                             | US. OSHA Table Z-1 Limits for Air Contaminants (29 CFR 1910.1000) (02 2006)  |
| Clay - Total dust.  | PEL      | 15 mg/m <sup>3</sup>                            | US. OSHA Table Z-1 Limits for Air Contaminants (29 CFR 1910.1000) (02 2006)  |
|   | TWA      | 50 millions of particles per cubic foot of air  | US. OSHA Table Z-3 (29 CFR 1910.1000) (03 2016)                              |
| Clay - Respirable fraction.                                     | TWA      | 15 millions of particles per cubic foot of air  | US. OSHA Table Z-3 (29 CFR 1910.1000) (03 2016)                              |
|   | TWA      | 5 mg/m <sup>3</sup>                             | US. OSHA Table Z-3 (29 CFR 1910.1000) (03 2016)                              |
| Clay - Total dust.  | TWA      | 15 mg/m <sup>3</sup>                            | US. OSHA Table Z-3 (29 CFR 1910.1000) (03 2016)                              |
| Crystalline Silica (Quartz)/ Silica Sand - Respirable fraction. | TWA      | 0.025 mg/m <sup>3</sup>                         | US. ACGIH Threshold Limit Values (2011)                                      |
| Crystalline Silica (Quartz)/ Silica Sand - Respirable dust.     | TWA      | 0.05 mg/m <sup>3</sup>                          | US. OSHA Specifically Regulated Substances (29 CFR 1910.1001-1053) (03 2016) |
|   | OSHA_ACT | 0.025 mg/m <sup>3</sup>                         | US. OSHA Specifically Regulated Substances (29 CFR 1910.1001-1053) (03 2016) |
| Crystalline Silica (Quartz)/ Silica Sand - Respirable dust.     | PEL      | 0.05 mg/m <sup>3</sup>                          | US. OSHA Table Z-1 Limits for Air Contaminants (29 CFR 1910.1000) (03 2016)  |
| Crystalline Silica (Quartz)/ Silica Sand - Respirable.          | TWA      | 2.4 millions of particles per cubic foot of air | US. OSHA Table Z-3 (29 CFR 1910.1000) (2000)                                 |
|   | TWA      | 0.1 mg/m <sup>3</sup>                           | US. OSHA Table Z-3 (29 CFR 1910.1000) (2000)                                 |
| Xylene  | STEL     | 150 ppm 655 mg/m <sup>3</sup>                   | US. NIOSH: Pocket Guide to Chemical Hazards (2010)                           |
|   | REL      | 100 ppm 435 mg/m <sup>3</sup>                   | US. NIOSH: Pocket Guide to Chemical Hazards (2010)                           |
|   | STEL     | 150 ppm 655 mg/m <sup>3</sup>                   | US. NIOSH: Pocket Guide to Chemical Hazards (2010)                           |
|   | REL      | 100 ppm 435 mg/m <sup>3</sup>                   | US. NIOSH: Pocket Guide to Chemical Hazards (2010)                           |

|           |         |           |           |  |
|-----------|---------|-----------|-----------|--|
|           | STEL    | 150 ppm   | 655 mg/m3 | US. NIOSH: Pocket Guide to Chemical Hazards (2010)   |
|           | REL     | 100 ppm   | 435 mg/m3 | US. NIOSH: Pocket Guide to Chemical Hazards (2010)   |
|           | STEL    | 150 ppm   | 655 mg/m3 | US. OSHA Table Z-1-A (29 CFR 1910.1000) (1989)   |
|           | TWA     | 100 ppm   | 435 mg/m3 | US. OSHA Table Z-1-A (29 CFR 1910.1000) (1989)   |
|           | TWA     | 100 ppm   | 435 mg/m3 | US. Tennessee. OELs. Occupational Exposure Limits, Table Z1A (06 2008)                     |
|           | STEL    | 150 ppm   | 655 mg/m3 | US. Tennessee. OELs. Occupational Exposure Limits, Table Z1A (06 2008)                     |
|           | ST ESL  |           | 350 µg/m3 | US. Texas. Effects Screening Levels (Texas Commission on Environmental Quality) (07 2011)  |
|           | ST ESL  |           | 80 ppb    | US. Texas. Effects Screening Levels (Texas Commission on Environmental Quality) (07 2011)  |
|           | AN ESL  |           | 42 ppb    | US. Texas. Effects Screening Levels (Texas Commission on Environmental Quality) (07 2011)  |
|           | AN ESL  |           | 180 µg/m3 | US. Texas. Effects Screening Levels (Texas Commission on Environmental Quality) (07 2011)  |
|           | STEL    | 150 ppm   | 655 mg/m3 | US. California Code of Regulations, Title 8, Section 5155. Airborne Contaminants (08 2010) |
|           | Ceiling | 300 ppm   |           | US. California Code of Regulations, Title 8, Section 5155. Airborne Contaminants (08 2010) |
|           | TWA PEL | 100 ppm   | 435 mg/m3 | US. California Code of Regulations, Title 8, Section 5155. Airborne Contaminants (08 2010) |
|           | TWA     | 100 ppm   |           | US. ACGIH Threshold Limit Values (2011)  |
|           | STEL    | 150 ppm   |           | US. ACGIH Threshold Limit Values (2011)  |
|           | PEL     | 100 ppm   | 435 mg/m3 | US. OSHA Table Z-1 Limits for Air Contaminants (29 CFR 1910.1000) (02 2006)                |
| Isobutane | STEL    | 1,000 ppm |           | US. ACGIH Threshold Limit Values (03 2018)   |
| Cumene    | TWA     | 50 ppm    |           | US. ACGIH Threshold Limit Values (2011)  |
|           | PEL     | 50 ppm    | 245 mg/m3 | US. OSHA Table Z-1 Limits for Air Contaminants (29 CFR 1910.1000) (02 2006)                |

| Chemical name                               | Type | Exposure Limit Values | Source  |
|---|------|-----------------------|---|
| Stoddard solvent (Mineral Spirits)          | STEL | 580 mg/m3             | Canada. British Columbia OELs. (Occupational Exposure Limits for Chemical Substances, Occupational Health and Safety Regulation 296/97, as amended) (07 2007) |
|   | TWA  | 290 mg/m3             | Canada. British Columbia OELs. (Occupational Exposure Limits for Chemical Substances, Occupational Health and Safety Regulation 296/97, as amended) (07 2007) |
| Stoddard solvent (Mineral Spirits)          | TWA  | 100 ppm               | Canada. Ontario OELs. (Control of Exposure to Biological or Chemical Agents) (11 2010)  |
| Stoddard solvent (Mineral Spirits)          | TWA  | 100 ppm 525 mg/m3     | Canada. Quebec OELs. (Ministry of Labor - Regulation Respecting the Quality of the Work Environment) (09 2017)  |
| Calcium Carbonate (Limestone) - Total dust. | STEL | 20 mg/m3              | Canada. British Columbia OELs. (Occupational Exposure Limits for Chemical Substances, Occupational Health and Safety Regulation 296/97, as amended) (07 2007) |
|   | TWA  | 10 mg/m3              | Canada. British Columbia OELs. (Occupational Exposure Limits for Chemical Substances, Occupational Health and Safety Regulation 296/97, as amended) (07 2007) |

|  |      |          |   |
|--|------|----------|---|
| Calcium Carbonate (Limestone) - Respirable fraction. | TWA  | 3 mg/m3  | Canada. British Columbia OELs. (Occupational Exposure Limits for Chemical Substances, Occupational Health and Safety Regulation 296/97, as amended) (07 2007) |
| Calcium Carbonate (Limestone) - Total dust.          | TWA  | 10 mg/m3 | Canada. Quebec OELs. (Ministry of Labor - Regulation Respecting the Quality of the Work Environment) (09 2017)  |
| Diocetyl phthalate                                   | TWA  | 5 mg/m3  | Canada. British Columbia OELs. (Occupational Exposure Limits for Chemical Substances, Occupational Health and Safety Regulation 296/97, as amended) (07 2007) |
| Diocetyl phthalate                                   | TWA  | 3 mg/m3  | Canada. Ontario OELs. (Control of Exposure to Biological or Chemical Agents) (11 2010)  |
|  | STEL | 5 mg/m3  | Canada. Ontario OELs. (Control of Exposure to Biological or Chemical Agents) (11 2010)  |
| Diocetyl phthalate                                   | STEL | 10 mg/m3 | Canada. Quebec OELs. (Ministry of Labor - Regulation Respecting the Quality of the Work Environment) (09 2017)  |
|  | TWA  | 5 mg/m3  | Canada. Quebec OELs. (Ministry of Labor - Regulation Respecting the Quality of the Work Environment) (09 2017)  |



|   |      |        |                         |   |
|---|------|--------|-------------------------|---|
| Titanium dioxide - Total dust.                                  | TWA  |        | 10 mg/m <sup>3</sup>    | Canada. British Columbia OELs. (Occupational Exposure Limits for Chemical Substances, Occupational Health and Safety Regulation 296/97, as amended) (07 2007) |
| Titanium dioxide - Respirable fraction.                         | TWA  |        | 3 mg/m <sup>3</sup>     | Canada. British Columbia OELs. (Occupational Exposure Limits for Chemical Substances, Occupational Health and Safety Regulation 296/97, as amended) (07 2007) |
| Titanium dioxide  | TWA  |        | 10 mg/m <sup>3</sup>    | Canada. Ontario OELs. (Control of Exposure to Biological or Chemical Agents) (11 2010)  |
| Titanium dioxide - Total dust.                                  | TWA  |        | 10 mg/m <sup>3</sup>    | Canada. Quebec OELs. (Ministry of Labor - Regulation Respecting the Quality of the Work Environment) (09 2017)  |
| Calcium carbonate - Total dust.                                 | STEL |        | 20 mg/m <sup>3</sup>    | Canada. British Columbia OELs. (Occupational Exposure Limits for Chemical Substances, Occupational Health and Safety Regulation 296/97, as amended) (07 2007) |
| Calcium carbonate - Respirable fraction.                        | TWA  |        | 3 mg/m <sup>3</sup>     | Canada. British Columbia OELs. (Occupational Exposure Limits for Chemical Substances, Occupational Health and Safety Regulation 296/97, as amended) (07 2007) |
| Calcium carbonate - Total dust.                                 | TWA  |        | 10 mg/m <sup>3</sup>    | Canada. British Columbia OELs. (Occupational Exposure Limits for Chemical Substances, Occupational Health and Safety Regulation 296/97, as amended) (07 2007) |
| Calcium carbonate - Total dust.                                 | TWA  |        | 10 mg/m <sup>3</sup>    | Canada. Quebec OELs. (Ministry of Labor - Regulation Respecting the Quality of the Work Environment) (09 2017)  |
| 1,2,4-Trimethylbenzene  | TWA  | 25 ppm | 123 mg/m <sup>3</sup>   | Canada. Alberta OELs (Occupational Health & Safety Code, Schedule 1, Table 2) (07 2009)   |
| 1,2,4-Trimethylbenzene  | TWA  | 25 ppm |                         | Canada. British Columbia OELs. (Occupational Exposure Limits for Chemical Substances, Occupational Health and Safety Regulation 296/97, as amended) (07 2007) |
| 1,2,4-Trimethylbenzene  | TWA  | 25 ppm |                         | Canada. Ontario OELs. (Control of Exposure to Biological or Chemical Agents) (11 2010)  |
| 1,2,4-Trimethylbenzene  | TWA  | 25 ppm | 123 mg/m <sup>3</sup>   | Canada. Quebec OELs. (Ministry of Labor - Regulation Respecting the Quality of the Work Environment) (09 2017)  |
| Cellulose - Respirable fraction.                                | TWA  |        | 3 mg/m <sup>3</sup>     | Canada. British Columbia OELs. (Occupational Exposure Limits for Chemical Substances, Occupational Health and Safety Regulation 296/97, as amended) (07 2007) |
| Cellulose - Total dust.   | TWA  |        | 10 mg/m <sup>3</sup>    | Canada. British Columbia OELs. (Occupational Exposure Limits for Chemical Substances, Occupational Health and Safety Regulation 296/97, as amended) (07 2007) |
| Cellulose   | TWA  |        | 10 mg/m <sup>3</sup>    | Canada. Ontario OELs. (Control of Exposure to Biological or Chemical Agents) (11 2010)  |
| Cellulose - Total dust.   | TWA  |        | 10 mg/m <sup>3</sup>    | Canada. Quebec OELs. (Ministry of Labor - Regulation Respecting the Quality of the Work Environment) (09 2017)  |
| 1,3,5-Trimethylbenzene  | TWA  | 25 ppm |                         | Canada. British Columbia OELs. (Occupational Exposure Limits for Chemical Substances, Occupational Health and Safety Regulation 296/97, as amended) (07 2007) |
| 1,3,5-Trimethylbenzene  | TWA  | 25 ppm |                         | Canada. Ontario OELs. (Control of Exposure to Biological or Chemical Agents) (11 2010)  |
| 1,3,5-Trimethylbenzene  | TWA  | 25 ppm | 123 mg/m <sup>3</sup>   | Canada. Quebec OELs. (Ministry of Labor - Regulation Respecting the Quality of the Work Environment) (09 2017)  |
| Crystalline Silica (Quartz)/ Silica Sand - Respirable fraction. | TWA  |        | 0.025 mg/m <sup>3</sup> | Canada. British Columbia OELs. (Occupational Exposure Limits for Chemical Substances, Occupational Health and Safety Regulation 296/97, as amended) (07 2007) |
| Crystalline Silica (Quartz)/                                    | TWA  |        | 0.10 mg/m <sup>3</sup>  | Canada. Ontario OELs. (Control of Exposure to   |

|  |      |         |                       |   |
|--|------|---------|-----------------------|---|
| Silica Sand - Respirable fraction.                             |      |         |                       | Biological or Chemical Agents) (06 2015)  |
| Crystalline Silica (Quartz)/<br>Silica Sand - Respirable dust. | TWA  |         | 0.1 mg/m <sup>3</sup> | Canada. Quebec OELs. (Ministry of Labor - Regulation Respecting the Quality of the Work Environment) (09 2017)  |
| Xylene   | TWA  | 100 ppm | 434 mg/m <sup>3</sup> | Canada. Alberta OELs (Occupational Health & Safety Code, Schedule 1, Table 2) (07 2009)   |
|  | STEL | 150 ppm | 651 mg/m <sup>3</sup> | Canada. Alberta OELs (Occupational Health & Safety Code, Schedule 1, Table 2) (07 2009)   |
| Xylene   | TWA  | 100 ppm |                       | Canada. British Columbia OELs. (Occupational Exposure Limits for Chemical Substances, Occupational Health and Safety Regulation 296/97, as amended) (07 2007) |
|  | STEL | 150 ppm |                       | Canada. British Columbia OELs. (Occupational Exposure Limits for Chemical Substances, Occupational Health and Safety Regulation 296/97, as amended) (07 2007) |
| Xylene   | TWA  | 100 ppm |                       | Canada. Ontario OELs. (Control of Exposure to Biological or Chemical Agents) (11 2010)  |
|  | STEL | 150 ppm |                       | Canada. Ontario OELs. (Control of Exposure to Biological or Chemical Agents) (11 2010)  |
| Xylene   | STEL | 150 ppm | 651 mg/m <sup>3</sup> | Canada. Quebec OELs. (Ministry of Labor - Regulation Respecting the Quality of the Work Environment) (09 2017)  |
|  | TWA  | 100 ppm | 434 mg/m <sup>3</sup> | Canada. Quebec OELs. (Ministry of Labor - Regulation Respecting the Quality of the Work Environment) (09 2017)  |
| Cumene   | STEL | 75 ppm  |                       | Canada. British Columbia OELs. (Occupational Exposure Limits for Chemical Substances, Occupational Health and Safety Regulation 296/97, as amended) (07 2007) |
|  | TWA  | 25 ppm  |                       | Canada. British Columbia OELs. (Occupational Exposure Limits for Chemical Substances, Occupational Health and Safety Regulation 296/97, as amended) (07 2007) |
| Cumene   | TWA  | 50 ppm  |                       | Canada. Ontario OELs. (Control of Exposure to Biological or Chemical Agents) (11 2010)  |
| Cumene   | TWA  | 50 ppm  | 246 mg/m <sup>3</sup> | Canada. Quebec OELs. (Ministry of Labor - Regulation Respecting the Quality of the Work Environment) (09 2017)  |

**Biological Limit Values**

| Chemical Identity  | Exposure Limit Values         | Source              |
|--|-------------------------------|---------------------|
| Xylene (Methylhippuric acids:<br>Sampling time: End of shift.) | 1.5 g/g (Creatinine in urine) | ACGIH BEI (03 2013) |

**Appropriate Engineering Controls**

Observe good industrial hygiene practices. Observe occupational exposure limits and minimize the risk of inhalation of vapors and mist. Mechanical ventilation or local exhaust ventilation may be required.

**Individual protection measures, such as personal protective equipment**

**General information:**

Provide easy access to water supply and eye wash facilities. Good general ventilation (typically 10 air changes per hour) should be used. Ventilation rates should be matched to conditions. If applicable, use process enclosures, local exhaust ventilation, or other engineering controls to maintain airborne levels below recommended exposure limits. If exposure limits have not been established, maintain airborne levels to an acceptable level. Use explosion-proof ventilation equipment.

**Eye/face protection:**

Wear safety glasses with side shields (or goggles).

**Skin Protection**

**Hand Protection:** Use suitable protective gloves if risk of skin contact.

**Other:** No data available.

**Respiratory Protection:** In case of inadequate ventilation use suitable respirator. Seek advice from local supervisor.

**Hygiene measures:** Observe good industrial hygiene practices. Wash hands before breaks and immediately after handling the product. Avoid contact with eyes. When using do not smoke. Do not handle until all safety precautions have been read and understood. Obtain special instructions before use.

|  |
|--|
| <b>9. Physical and chemical properties</b> |
|--|

**Appearance**

**Physical state:** liquid

**Form:** liquid

**Color:** White

**Odor:** Mild petroleum/solvent

**Odor threshold:** No data available.

**pH:** No data available.

**Melting point/freezing point:** No data available.

**Initial boiling point and boiling range:** No data available.

**Flash Point:** 41 °C 105 °F(Setaflash Closed Cup)

**Evaporation rate:** Slower than Ether

**Flammability (solid, gas):** No

**Upper/lower limit on flammability or explosive limits**

**Flammability limit - upper (%):** No data available.

**Flammability limit - lower (%):** No data available.

**Explosive limit - upper (%):** No data available.

**Explosive limit - lower (%):** No data available.

**Vapor pressure:** No data available.

**Vapor density:** Vapors are heavier than air and may travel along the floor and in the bottom of containers.

**Relative density:** 0.816

**Solubility(ies)**

**Solubility in water:** Practically Insoluble

**Solubility (other):** No data available.

**Partition coefficient (n-octanol/water):** No data available.

**Auto-ignition temperature:** No data available.

**Decomposition temperature:** No data available.

**Viscosity:** No data available.

|                                     |
|-------------------------------------|
| <b>10. Stability and reactivity</b> |
|-------------------------------------|

|  |  |
|--|--|
| <b>Reactivity:</b>                         | No data available.   |
| <b>Chemical Stability:</b>                 | Material is stable under normal conditions.  |
| <b>Possibility of hazardous reactions:</b> | No data available.   |
| <b>Conditions to avoid:</b>                | Heat, sparks, flames.  |
| <b>Incompatible Materials:</b>             | Strong acids. Avoid contact with oxidizing agents (e.g. nitric acid, peroxides and chromates). Strong bases. |
| <b>Hazardous Decomposition Products:</b>   | Thermal decomposition or combustion may liberate carbon oxides and other toxic gases or vapors.              |

|                                      |
|--------------------------------------|
| <b>11. Toxicological information</b> |
|--------------------------------------|

**Information on likely routes of exposure**

|                      |   |
|----------------------|---|
| <b>Inhalation:</b>   | In high concentrations, vapors, fumes or mists may irritate nose, throat and mucus membranes. |
| <b>Skin Contact:</b> | Causes mild skin irritation.  |
| <b>Eye contact:</b>  | Causes serious eye irritation.  |
| <b>Ingestion:</b>    | May be ingested by accident. Ingestion may cause irritation and malaise.                      |

**Symptoms related to the physical, chemical and toxicological characteristics**

|                      |                    |
|----------------------|--------------------|
| <b>Inhalation:</b>   | No data available. |
| <b>Skin Contact:</b> | No data available. |
| <b>Eye contact:</b>  | No data available. |
| <b>Ingestion:</b>    | No data available. |

**Information on toxicological effects**

**Acute toxicity (list all possible routes of exposure)**

|                            |  |
|----------------------------|--|
| <b>Oral Product:</b>       | ATEmix: 65,538.42 mg/kg                                    |
| <b>Dermal Product:</b>     | ATEmix: 14,941.1 mg/kg                                     |
| <b>Inhalation Product:</b> | Not classified for acute toxicity based on available data. |

**Specified substance(s):**

|  |                            |
|--|----------------------------|
| Titanium dioxide                               | LC 50 (Rat): 3.43 mg/l     |
| 1,2,4-Trimethylbenzene                         | LC 50 (Rat): 10,200 mg/m3  |
| Cellulose                                      | LC 50 (Rabbit): 20.1 mg/l  |
| 1,3,5-Trimethylbenzene                         | LC 50 (Rat): 10,200 mg/m3  |
| Nonane   | LC 50 (Rat): 23.76 mg/l    |
| Naphtha, petroleum,<br>hydrodesulfurized heavy | LC 50 (Rat): > 8,530 mg/m3 |
| Aluminum oxide                                 | LC 50 (Rat): 7.6 mg/l      |

**Repeated dose toxicity****Product:** No data available.**Skin Corrosion/Irritation****Product:** No data available.**Specified substance(s):**

|   |  |
|---|--|
| Diocetyl phthalate                          | in vivo (Rabbit): Not irritant Experimental result, Key study  |
| Titanium dioxide                            | in vivo (Rabbit): Not irritant Experimental result, Supporting study   |
| Calcium carbonate                           | in vivo (Rabbit): Not irritant Experimental result, Key study  |
| Aromatic petroleum distillates              | in vivo (Rabbit): Irritating Experimental result, Key study  |
| 1,2,4-Trimethylbenzene                      | in vivo (Rabbit): Irritating Read-across from supporting substance (structural analogue or surrogate), Key study |
| 1,3,5-Trimethylbenzene                      | in vivo (Rabbit): Irritating Experimental result, Key study  |
| Nonane                                      | in vivo (Rabbit): Irritating Read-across based on grouping of substances (category approach), Key study          |
| Naphtha, petroleum, hydrodesulfurized heavy | in vivo (Rabbit): Irritating Experimental result, Key study  |
| Aluminum oxide                              | in vivo (Rabbit): Not irritant Experimental result, Key study  |
| Xylene                                      | in vivo (Rabbit): Moderate irritant Experimental result, Weight of Evidence study                                |
| Cumene                                      | in vivo (Rabbit): Not irritant Experimental result, Key study  |

**Serious Eye Damage/Eye Irritation**

**Product:** No data available.

**Specified substance(s):**

|   |                                     |
|---|-------------------------------------|
| Diocetyl phthalate                          | Rabbit, 24 - 72 hrs: Not irritating |
| Titanium dioxide                            | Rabbit, 24 hrs: Not irritating      |
| Calcium carbonate                           | Rabbit, 24 - 72 hrs: Not irritating |
| Aromatic petroleum distillates              | Rabbit, 24 - 72 hrs: Not irritating |
| 1,2,4-Trimethylbenzene                      | Rabbit, 30 min: Not irritating      |
| 1,3,5-Trimethylbenzene                      | Rabbit, 30 min: Not irritating      |
| Nonane                                      | Rabbit, 24 - 72 hrs: Not irritating |
| Naphtha, petroleum, hydrodesulfurized heavy | Rabbit, 24 - 72 hrs: Not irritating |

|                |                                       |
|----------------|---------------------------------------|
| Aluminum oxide | Rabbit, 24 hrs: Not irritating        |
| Xylene         | Rabbit, 24 hrs: Moderately irritating |
| Cumene         | Rabbit, 24 hrs: Not irritating        |

**Respiratory or Skin Sensitization**

**Product:** No data available.

**Carcinogenicity**

**Product:** No data available.

**IARC Monographs on the Evaluation of Carcinogenic Risks to Humans:**

|  |  |
|--|--|
| Diethyl phthalate                              | Overall evaluation: Possibly carcinogenic to humans. |
| Titanium dioxide                               | Overall evaluation: Possibly carcinogenic to humans. |
| Crystalline Silica<br>(Quartz)/ Silica<br>Sand | Overall evaluation: Carcinogenic to humans.          |
| Cumene   | Overall evaluation: Possibly carcinogenic to humans. |

**US. National Toxicology Program (NTP) Report on Carcinogens:**

|  |  |
|--|--|
| Diethyl phthalate                              | Reasonably Anticipated to be a Human Carcinogen. |
| Crystalline Silica<br>(Quartz)/ Silica<br>Sand | Known To Be Human Carcinogen.                    |
| Cumene   | Reasonably Anticipated to be a Human Carcinogen. |

**US. OSHA Specifically Regulated Substances (29 CFR 1910.1001-1050):**

No carcinogenic components identified

**Germ Cell Mutagenicity**

**In vitro**  
**Product:** No data available.

**In vivo**  
**Product:** No data available.

**Reproductive toxicity**

**Product:** May damage fertility or the unborn child.

**Specific Target Organ Toxicity - Single Exposure**

**Product:** No data available.

**Specified substance(s):**  
Cumene Inhalation - vapor: Category 3 with respiratory tract irritation.

**Specific Target Organ Toxicity - Repeated Exposure**

**Product:** No data available.

**Aspiration Hazard**

**Product:** No data available.

**Other effects:** No data available.

|                                   |
|-----------------------------------|
| <b>12. Ecological information</b> |
|-----------------------------------|

**Ecotoxicity:**

**Acute hazards to the aquatic environment:**

**Fish**

**Product:** No data available.

**Specified substance(s):**

|                        |  |
|------------------------|--|
| Diocetyl phthalate     | LC 50 (Fathead minnow (Pimephales promelas), 96 h): > 0.16 mg/l Mortality      |
| 1,2,4-Trimethylbenzene | LC 50 (Fathead minnow (Pimephales promelas), 96 h): 7.19 - 8.28 mg/l Mortality |
| Xylene                 | LC 50 (Fathead minnow (Pimephales promelas), 96 h): 13.41 mg/l Mortality       |
| Cumene                 | LC 50 (Fathead minnow (Pimephales promelas), 96 h): 6.04 - 6.61 mg/l Mortality |

**Aquatic Invertebrates**

**Product:** No data available.

**Specified substance(s):**

|                    |   |
|--------------------|---|
| Diocetyl phthalate | EC 50 (Water flea (Daphnia magna), 48 h): 2 mg/l Intoxication       |
| Titanium dioxide   | EC 50 (Water flea (Daphnia magna), 48 h): > 1,000 mg/l Intoxication |
| Cumene             | LC 50 (Water flea (Daphnia magna), 48 h): 7.9 - 45.1 mg/l Mortality |

**Chronic hazards to the aquatic environment:**

**Fish**

**Product:** No data available.

**Specified substance(s):**

|   |  |
|---|--|
| Naphtha, petroleum, hydrodesulfurized heavy | LL 50 (Pimephales promelas, 14 d): 5.2 mg/l Experimental result, Supporting study<br>NOAEL (Daphnia magna, 21 d): 2.6 mg/l Other, Key study<br>NOAEL (Pimephales promelas, 14 d): 2.6 mg/l Experimental result, Supporting study |
|---|--|



EC 50 (Daphnia magna, 21 d): 10 mg/l Other, Key study

**Aquatic Invertebrates**

**Product:** No data available.

**Toxicity to Aquatic Plants**

**Product:** No data available.

**Persistence and Degradability**

**Biodegradation**

**Product:** No data available.

**BOD/COD Ratio**

**Product:** No data available.

**Bioaccumulative potential**

**Bioconcentration Factor (BCF)**

**Product:** No data available.

**Specified substance(s):**

Diocetyl phthalate Green algae (Chlorella fusca vacuolata), Bioconcentration Factor (BCF): 5,400 (Static)

**Partition Coefficient n-octanol / water (log Kow)**

**Product:** No data available.

**Specified substance(s):**

Stoddard solvent (Mineral Spirits) Log Kow: 3.16 - 7.15

Diocetyl phthalate Log Kow: 7.60

Nonane Log Kow: 5.46

Xylene Log Kow: 3.12 - 3.20

Isobutane Log Kow: 2.76

Cumene Log Kow: 3.66

**Mobility in soil:** No data available.

**Other adverse effects:** Toxic to aquatic organisms.

**13. Disposal considerations**

**Disposal instructions:** Dispose of waste at an appropriate treatment and disposal facility in accordance with applicable laws and regulations, and product characteristics at time of disposal.

**Contaminated Packaging:** No data available.

## 14. Transport information

**TDG:**

Not Regulated

**CFR / DOT:**

Not Regulated

**IMDG:**

UN1133, ADHESIVES, 3, PG III

**Further Information:**

The above shipping description may not be accurate for all container sizes and all modes of transportation. Please refer to Bill of Lading.

## 15. Regulatory information

**US Federal Regulations**

**TSCA Section 12(b) Export Notification (40 CFR 707, Subpt. D)**

None present or none present in regulated quantities.

**US. OSHA Specifically Regulated Substances (29 CFR 1910.1001-1050)**

None present or none present in regulated quantities.

**CERCLA Hazardous Substance List (40 CFR 302.4):**

| <u>Chemical Identity</u> | <u>Reportable quantity</u> |
|--------------------------|----------------------------|
| Dioctyl phthalate        | 100 lbs.                   |
| Propylbenzene            | 100 lbs.                   |
| Nonane                   | 100 lbs.                   |
| Xylene                   | 100 lbs.                   |
| Isobutane                | 100 lbs.                   |
| Cumene                   | 5000 lbs.                  |
| Naphthalene              | 100 lbs.                   |
| Ethylbenzene             | 1000 lbs.                  |

**Superfund Amendments and Reauthorization Act of 1986 (SARA)**

**Hazard categories**

Fire Hazard  
Immediate (Acute) Health Hazards  
Delayed (Chronic) Health Hazard

**SARA 302 Extremely Hazardous Substance**

None present or none present in regulated quantities.

**SARA 304 Emergency Release Notification**

| <u>Chemical Identity</u>       | <u>Reportable quantity</u> |
|--------------------------------|----------------------------|
| Dioctyl phthalate              | 100 lbs.                   |
| Propylbenzene                  | 100 lbs.                   |
| Nonane                         | 100 lbs.                   |
| Xylene                         | 100 lbs.                   |
| Isobutane                      | 100 lbs.                   |
| Cumene                         | 5000 lbs.                  |
| Naphthalene                    | 100 lbs.                   |
| Ethylbenzene                   | 1000 lbs.                  |
| 2-Butoxyethanol (Glycol ether) |                            |

**SARA 311/312 Hazardous Chemical**

| <u>Chemical Identity</u>                    | <u>Threshold Planning Quantity</u> |
|---|------------------------------------|
| Stoddard solvent (Mineral Spirits)          | 10000 lbs                          |
| Calcium Carbonate (Limestone)               | 10000 lbs                          |
| Dioctyl phthalate                           | 10000 lbs                          |
| Titanium dioxide                            | 10000 lbs                          |
| Calcium carbonate                           | 10000 lbs                          |
| Aromatic petroleum distillates              | 10000 lbs                          |
| 1,2,4-Trimethylbenzene                      | 10000 lbs                          |
| Cellulose                                   | 10000 lbs                          |
| 1,3,5-Trimethylbenzene                      | 10000 lbs                          |
| Nonane                                      | 10000 lbs                          |
| Naphtha, petroleum, hydrodesulfurized heavy | 10000 lbs                          |
| Aluminum oxide                              | 10000 lbs                          |
| Clay  | 10000 lbs                          |
| Crystalline Silica (Quartz)/ Silica Sand    | 10000 lbs                          |
| Xylene                                      | 10000 lbs                          |
| Isobutane                                   | 10000 lbs                          |
| Cumene                                      | 10000 lbs                          |

**SARA 313 (TRI Reporting)**

| <u>Chemical Identity</u> |
|--------------------------|
| Dioctyl phthalate        |
| 1,2,4-Trimethylbenzene   |

**Clean Air Act (CAA) Section 112(r) Accidental Release Prevention (40 CFR 68.130)**

| <u>Chemical Identity</u> | <u>Reportable quantity</u> |
|--------------------------|----------------------------|
| Isobutane                | lbs                        |

**Clean Water Act Section 311 Hazardous Substances (40 CFR 117.3)**

None present or none present in regulated quantities.

**US State Regulations****US. California Proposition 65**



**WARNING**  
Cancer and Reproductive Harm - [www.P65Warnings.ca.gov](http://www.P65Warnings.ca.gov)

## **US. New Jersey Worker and Community Right-to-Know Act**

### **Chemical Identity**

Stoddard solvent (Mineral Spirits)  
Calcium Carbonate (Limestone)  
Dioctyl phthalate  
Titanium dioxide  
Calcium carbonate  
1,2,4-Trimethylbenzene  
Cellulose  
1,3,5-Trimethylbenzene  
Crystalline Silica (Quartz)/ Silica Sand

## **US. Massachusetts RTK - Substance List**

### **Chemical Identity**

Stoddard solvent (Mineral Spirits)  
Calcium Carbonate (Limestone)  
Dioctyl phthalate  
Titanium dioxide  
Calcium carbonate  
1,2,4-Trimethylbenzene  
Cellulose  
1,3,5-Trimethylbenzene  
Crystalline Silica (Quartz)/ Silica Sand

## **US. Pennsylvania RTK - Hazardous Substances**

### **Chemical Identity**

Stoddard solvent (Mineral Spirits)  
Calcium Carbonate (Limestone)  
Dioctyl phthalate  
Titanium dioxide  
Calcium carbonate  
1,2,4-Trimethylbenzene  
Cellulose  
1,3,5-Trimethylbenzene

## **US. Rhode Island RTK**

### **Chemical Identity**

Stoddard solvent (Mineral Spirits)  
Calcium Carbonate (Limestone)  
Dioctyl phthalate  
Titanium dioxide  
Calcium carbonate  
1,2,4-Trimethylbenzene  
Cellulose  
1,3,5-Trimethylbenzene

## **International regulations**

**Montreal protocol**

Not applicable

**Stockholm convention**

Not applicable

**Rotterdam convention**

Not applicable

**Kyoto protocol**

Not applicable

**VOC:**

Regulatory VOC (less water and  
exempt solvent) : 232 g/l

VOC Method 310 : 28.41 %

**Inventory Status:**

|  |  |
|--|--|
| Australia AICS:                          | One or more components in this product are not listed on or exempt from the Inventory. |
| Canada DSL Inventory List:               | One or more components in this product are not listed on or exempt from the Inventory. |
| EINECS, ELINCS or NLP:                   | One or more components in this product are not listed on or exempt from the Inventory. |
| Japan (ENCS) List:                       | One or more components in this product are not listed on or exempt from the Inventory. |
| China Inv. Existing Chemical Substances: | One or more components in this product are not listed on or exempt from the Inventory. |
| Korea Existing Chemicals Inv. (KECI):    | One or more components in this product are not listed on or exempt from the Inventory. |
| Canada NDSL Inventory:                   | One or more components in this product are not listed on or exempt from the Inventory. |
| Philippines PICCS:                       | One or more components in this product are not listed on or exempt from the Inventory. |
| US TSCA Inventory:                       | One or more components in this product are not listed on or exempt from the Inventory. |
| New Zealand Inventory of Chemicals:      | One or more components in this product are not listed on or exempt from the Inventory. |
| Japan ISHL Listing:                      | One or more components in this product are not listed on or exempt from the Inventory. |
| Japan Pharmacopoeia Listing:             | One or more components in this product are not listed on or exempt from the Inventory. |

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

|                             |                    |
|-----------------------------|--------------------|
| <b>Revision Date:</b>       | 07/21/2018         |
| <b>Version #:</b>           | 1.1                |
| <b>Further Information:</b> | No data available. |

**Disclaimer:**

For Industrial Use Only. Keep out of Reach of Children. The hazard information herein is offered solely for the consideration of the user, subject to their own investigation of compliance with applicable regulations, including the safe use of the product under every foreseeable condition.

