SAFETY DATA SHEET

1. Identification

Product identifier: ENDURIS 3525 WHITE

Other means of identification
Synonyms: Mastic Coating

Recommended use and restriction on use
Recommended use: Protection of construction materials
Restrictions on use: For industrial use only.

Manufacturer/Importer/Distributor Information
Momentive Performance Materials LLC
260 Hudson River Road
Waterford NY 12188

Contact person: commercial.services@momentive.com

Telephone: General information
+1-800-295-2392

Emergency telephone number
Supplier: CHEMTREC
1-800-424-9300

2. Hazard(s) identification

Hazard Classification

Physical Hazards
Flammable liquids Category 4

Health Hazards
Skin sensitizer Category 1
Carcinogenicity Category 1A
Toxic to reproduction Category 2

Unknown toxicity - Health

<p>| | |</p>
<table>
<thead>
<tr>
<th></th>
<th></th>
</tr>
</thead>
<tbody>
<tr>
<td>Acute toxicity, oral</td>
<td>0 %</td>
</tr>
<tr>
<td>Acute toxicity, dermal</td>
<td>0 %</td>
</tr>
<tr>
<td>Acute toxicity, inhalation, vapor</td>
<td>0 %</td>
</tr>
<tr>
<td>Acute toxicity, inhalation, dust or mist</td>
<td>0 %</td>
</tr>
</tbody>
</table>

Label Elements

SDS_US
Hazard Symbol:

Signal Word: Danger

Hazard Statement: H227; Combustible liquid.
H350; May cause cancer.
H361; Suspected of damaging fertility or the unborn child.
H317; May cause an allergic skin reaction.

Precautionary Statements

Prevention: Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking. Wear protective gloves/protective clothing/eye protection/face protection. 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 exposed or concerned: Get medical advice/attention. In case of fire: Use alcohol resistant foam for extinction.

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.

Other hazards which do not result in GHS classification:

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.

Substance(s) formed under the conditions of use: Generates methanol during cure.

3. Composition/information on ingredients
Mixtures

<table>
<thead>
<tr>
<th>Chemical Identity</th>
<th>CAS number</th>
<th>Content in percent (%)</th>
<th>Notes</th>
</tr>
</thead>
<tbody>
<tr>
<td>(1) Calcium Carbonate</td>
<td>471-34-1</td>
<td>20 - &lt;50%</td>
<td># This substance has workplace exposure limit(s).</td>
</tr>
<tr>
<td>(1) TITANIUM DIOXIDE</td>
<td>13463-67-7</td>
<td>1 - &lt;5%</td>
<td># This substance has workplace exposure limit(s).</td>
</tr>
<tr>
<td>Octadecanoic acid</td>
<td>57-11-4</td>
<td>1 - &lt;5%</td>
<td># This substance has workplace exposure limit(s).</td>
</tr>
<tr>
<td>Titanium, Bis(ethyl acetoacetato)-dispropoxy</td>
<td>27858-32-8</td>
<td>1 - &lt;5%</td>
<td># This substance has workplace exposure limit(s).</td>
</tr>
<tr>
<td>Titanate Catalyst</td>
<td>Trade secret</td>
<td>0.1 - &lt;1%</td>
<td>No data available.</td>
</tr>
<tr>
<td>(1) QUARTZ</td>
<td>14808-60-7</td>
<td>0.1 - &lt;1%</td>
<td># This substance has workplace exposure limit(s).</td>
</tr>
<tr>
<td>Octamethylcyclotetrasiloxane</td>
<td>556-67-2</td>
<td>0.1 - &lt;1%</td>
<td># This substance has workplace exposure limit(s).</td>
</tr>
</tbody>
</table>

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

Trade secret information: ** A specific chemical identity and/or percentage of composition has been withheld as a trade secret.

4. First-aid measures

General information: No action shall be taken involving any personal risk or without suitable training.

Ingestion: If swallowed, do NOT induce vomiting. Give a glass of water.

Inhalation: If inhaled, remove to fresh air. If not breathing give artificial respiration using a barrier device. If breathing is difficult give oxygen. Get medical attention.

Skin Contact: Wash contaminated clothing before reuse. In case of contact, immediately flush skin with plenty of soap and water for at least 15 minutes. Get medical attention.

Eye contact: In case of contact with eyes, rinse immediately with plenty of water and seek medical advice.
Most important symptoms/effects, acute and delayed

Symptoms: No data available.

Hazards: No data available.

Indication of immediate medical attention and special treatment needed

Treatment: Treatment is symptomatic and supportive.

5. Fire-fighting measures

General Fire Hazards: Fire residues and contaminated fire extinguishing water must be disposed of in accordance with local regulations. Use standard firefighting procedures and consider the hazards of other involved materials.

Suitable (and unsuitable) extinguishing media

Suitable extinguishing media: Water spray Carbon dioxide Foam.

Unsuitable extinguishing media: Do not use water jet as an extinguisher, as this will spread the fire.

Specific hazards arising from the chemical: In case of fire, carbon monoxide and carbon dioxide may be formed. Acute overexposure to the products of combustion may result in irritation of the respiratory tract. Measurements at temperatures above 150°C in presence of air (oxygen) have shown that small amounts of formaldehyde are formed due to oxidative degradation.

Special protective equipment and precautions for firefighters

Special fire fighting procedures: When using do not smoke. Do not empty into drains.

Special protective equipment for fire-fighters: Combustible This product or a component thereof can flow along surfaces to reach a distant ignition source and flash back. Firefighters must wear NIOSH/MSHA approved positive pressure self-contained breathing apparatus with full face mask and full protective clothing.

6. Accidental release measures

Personal precautions, protective equipment and emergency procedures: Product releases methanol during application and curing. Avoid contact with eyes, skin, and clothing. Use only in well-ventilated areas. Avoid inhalation of vapors and spray mists. Keep container closed. Keep out of reach of children. See Section 8 of the SDS for Personal Protective Equipment.
Methods and material for containment and cleaning up:

Wear proper protective equipment as specified in the protective equipment section. Wipe, scrape, or soak up in an inert material and put in a container intended for flammable materials for disposal. Warn other workers of spill. Keep unauthorized personnel away.

Notification Procedures:

Caution: Contaminated surfaces may be slippery. See Section 8 of the SDS for Personal Protective Equipment.

Environmental Precautions:

Do not allow runoff to sewer, waterway or ground.

7. Handling and storage

Precautions for safe handling:

Sensitivity to static discharge is expected; material has a flash point below 200 F. Do not get in eyes, on skin, on clothing. Do not taste or swallow. Use only in well-ventilated areas. See Section 8 of the SDS for Personal Protective Equipment.

Conditions for safe storage, including any incompatibilities:

Keep container tightly closed. Recommended storage in original container below 30°C (85°F).

8. Exposure controls/personal protection

Control Parameters

Occupational Exposure Limits

<table>
<thead>
<tr>
<th>Chemical Identity</th>
<th>Type</th>
<th>Exposure Limit Values</th>
<th>Source</th>
</tr>
</thead>
<tbody>
<tr>
<td>(1) Calcium Carbonate - Total</td>
<td>REL</td>
<td>10 mg/m³</td>
<td>US. NIOSH: Pocket Guide to Chemical Hazards (2010)</td>
</tr>
<tr>
<td>(1) Calcium Carbonate - Respirable</td>
<td>REL</td>
<td>5 mg/m³</td>
<td>US. NIOSH: Pocket Guide to Chemical Hazards (2010)</td>
</tr>
<tr>
<td>(1) Calcium Carbonate - Total dust</td>
<td>PEL</td>
<td>15 mg/m³</td>
<td>US. OSHA Table Z-1 Limits for Air Contaminants (29 CFR 1910.1000) (02 2006)</td>
</tr>
<tr>
<td>(1) Calcium Carbonate - Respirable fraction.</td>
<td>PEL</td>
<td>5 mg/m³</td>
<td>US. OSHA Table Z-1 Limits for Air Contaminants (29 CFR 1910.1000) (02 2006)</td>
</tr>
<tr>
<td>(1) Calcium Carbonate - Total dust.</td>
<td>TWA</td>
<td>15 mg/m³</td>
<td>US. OSHA Table Z-1-A (29 CFR 1910.1000) (1989)</td>
</tr>
<tr>
<td>(1) Calcium Carbonate - Respirable fraction.</td>
<td>TWA</td>
<td>5 mg/m³</td>
<td>US. OSHA Table Z-1-A (29 CFR 1910.1000) (1989)</td>
</tr>
<tr>
<td>(1) Calcium Carbonate - Total dust.</td>
<td>TWA</td>
<td>15 mg/m³</td>
<td>US. Tennessee. OELs. Occupational Exposure Limits, Table Z1A (06 2008)</td>
</tr>
<tr>
<td>(1) Calcium Carbonate - Respirable fraction.</td>
<td>TWA</td>
<td>5 mg/m³</td>
<td>US. Tennessee. OELs. Occupational Exposure Limits, Table Z1A (06 2008)</td>
</tr>
<tr>
<td>(1) TITANIUM DIOXIDE</td>
<td>TWA</td>
<td>10 mg/m³</td>
<td>US. ACGIH Threshold Limit Values (03 2015)</td>
</tr>
<tr>
<td>(1) TITANIUM DIOXIDE - Total dust.</td>
<td>PEL</td>
<td>15 mg/m³</td>
<td>US. OSHA Table Z-1 Limits for Air Contaminants (29 CFR 1910.1000) (02 2006)</td>
</tr>
<tr>
<td>TWA</td>
<td>10 mg/m³</td>
<td>US. OSHA Table Z-1-A (29 CFR 1910.1000) (1989)</td>
<td></td>
</tr>
<tr>
<td>(1) TITANIUM DIOXIDE - Particulate.</td>
<td>ST ESL</td>
<td>50 µg/m³</td>
<td>US. Texas. Effects Screening Levels (Texas Commission on Environmental Quality) (11 2016)</td>
</tr>
<tr>
<td>AN ESL</td>
<td>5 µg/m³</td>
<td>US. Texas. Effects Screening Levels (Texas Commission on Environmental Quality) (11 2016)</td>
<td></td>
</tr>
<tr>
<td>(1) TITANIUM DIOXIDE - TWA PEL</td>
<td>10 mg/m³</td>
<td>US. California Code of Regulations, Title 8.</td>
<td></td>
</tr>
<tr>
<td>Substance</td>
<td>Fraction</td>
<td>TWA (mg/m³)</td>
<td>Source</td>
</tr>
<tr>
<td>------------------------------------------------</td>
<td>-----------</td>
<td>-------------</td>
<td>------------------------------------------------------------------------</td>
</tr>
<tr>
<td>(1) TITANIUM DIOXIDE</td>
<td>Respirable</td>
<td>5</td>
<td>US. California Code of Regulations, Title 8, Section 5155. Airborne Contaminants (01 2015)</td>
</tr>
<tr>
<td>Total dust.</td>
<td></td>
<td>15 millions of particles per cubic foot of air</td>
<td>US. OSHA Table Z-3 (29 CFR 1910.1000) (03 2016)</td>
</tr>
<tr>
<td>(1) TITANIUM DIOXIDE</td>
<td>Total dust.</td>
<td>15</td>
<td>US. OSHA Table Z-3 (29 CFR 1910.1000) (03 2016)</td>
</tr>
<tr>
<td>(1) TITANIUM DIOXIDE</td>
<td>Respirable</td>
<td>5</td>
<td>US. OSHA Table Z-3 (29 CFR 1910.1000) (03 2016)</td>
</tr>
<tr>
<td>Total dust.</td>
<td></td>
<td>50 millions of particles per cubic foot of air</td>
<td>US. OSHA Table Z-3 (29 CFR 1910.1000) (03 2016)</td>
</tr>
<tr>
<td>Octadecanoic acid</td>
<td>Respirable</td>
<td>3</td>
<td>US. ACGIH Threshold Limit Values (03 2017)</td>
</tr>
<tr>
<td>Octadecanoic acid</td>
<td>Inhalable</td>
<td>10</td>
<td>US. ACGIH Threshold Limit Values (03 2017)</td>
</tr>
<tr>
<td>Octadecanoic acid</td>
<td>Vapor.</td>
<td>ST ESL 1,000 µg/m³</td>
<td>US. Texas. Effects Screening Levels (Texas Commission on Environmental Quality) (11 2016)</td>
</tr>
<tr>
<td></td>
<td></td>
<td>AN ESL 100 µg/m³</td>
<td>US. Texas. Effects Screening Levels (Texas Commission on Environmental Quality) (11 2016)</td>
</tr>
<tr>
<td>(1) QUARTZ</td>
<td>Respirable</td>
<td>0.025</td>
<td>US. ACGIH Threshold Limit Values (03 2015)</td>
</tr>
<tr>
<td>(1) QUARTZ</td>
<td>Respirable</td>
<td>0.05</td>
<td>US. NIOSH: Pocket Guide to Chemical Hazards (2010)</td>
</tr>
<tr>
<td>(1) QUARTZ</td>
<td>Respirable</td>
<td>0.05</td>
<td>US. OSHA Specifically Regulated Substances (29 CFR 1910.1001-1053) (03 2016)</td>
</tr>
<tr>
<td>(1) QUARTZ</td>
<td>Respirable</td>
<td>0.025</td>
<td>US. OSHA Specifically Regulated Substances (29 CFR 1910.1001-1053) (03 2016)</td>
</tr>
<tr>
<td>(1) QUARTZ</td>
<td>Respirable</td>
<td>0.05</td>
<td>US. OSHA Table Z-1 Limits for Air Contaminants (29 CFR 1910.1000) (03 2016) (1989)</td>
</tr>
<tr>
<td></td>
<td></td>
<td>0.1</td>
<td>US. OSHA Table Z-1-A (29 CFR 1910.1000) (1989)</td>
</tr>
<tr>
<td></td>
<td></td>
<td>0.1</td>
<td>US. Tennessee, OELs. Occupational Exposure Limits, Table Z1A (06 2008)</td>
</tr>
<tr>
<td>(1) QUARTZ</td>
<td>Particulate.</td>
<td>14</td>
<td>US. Texas. Effects Screening Levels (Texas Commission on Environmental Quality) (11 2016)</td>
</tr>
<tr>
<td></td>
<td></td>
<td>0.27</td>
<td>US. Texas. Effects Screening Levels (Texas Commission on Environmental Quality) (11 2016)</td>
</tr>
<tr>
<td>(1) QUARTZ</td>
<td>Respirable</td>
<td>0.05</td>
<td>US. California Code of Regulations, Title 8, Section 5155. Airborne Contaminants (10 2016)</td>
</tr>
<tr>
<td>(1) QUARTZ</td>
<td>Respirable.</td>
<td>2.4 millions of particles per cubic foot of air</td>
<td>US. OSHA Table Z-3 (29 CFR 1910.1000) (2000)</td>
</tr>
<tr>
<td></td>
<td></td>
<td>0.1</td>
<td>US. OSHA Table Z-3 (29 CFR 1910.1000) (2000)</td>
</tr>
<tr>
<td>Octamethylcyclotetrasiloxane</td>
<td>TWA 5 ppm</td>
<td></td>
<td>US. OARS. WEELs Workplace Environmental Exposure Level Guide (2014)</td>
</tr>
<tr>
<td>Octamethylcyclotetrasiloxane - Vapor.</td>
<td>ST ESL 1,000 µg/m³</td>
<td></td>
<td>US. Texas. Effects Screening Levels (Texas Commission on Environmental Quality) (11 2016)</td>
</tr>
<tr>
<td></td>
<td>AN ESL 100 µg/m³</td>
<td></td>
<td>US. Texas. Effects Screening Levels (Texas Commission on Environmental Quality) (11 2016)</td>
</tr>
<tr>
<td>Octamethylcyclotetrasiloxane</td>
<td>TWA 10 ppm</td>
<td></td>
<td>US. OARS. WEELs Workplace Environmental Exposure Level Guide (2014)</td>
</tr>
</tbody>
</table>
Appropriate Engineering Controls

Eye wash facilities and emergency shower must be available when handling this product.

Individual protection measures, such as personal protective equipment

General information: Ventilation and other forms of engineering controls are preferred for controlling exposures. Respiratory protection may be needed for non-routine or emergency situations.

Eye/face protection: Monogoggles

Skin Protection

Hand Protection: Chemical resistant gloves

Other: Wear rubber apron. Wear suitable protective clothing and eye/face protection.

Respiratory Protection: If exposure limits are exceeded or respiratory irritation is experienced, NIOSH/MSHA approved respiratory protection should be worn. Supplied air respirators may be required for non-routine or emergency situations. Respiratory protection must be provided in accordance with OSHA regulations (see 29CFR 1910.134).

Hygiene measures: No data available.

9. Physical and chemical properties

Appearance

Physical state: liquid
Form: liquid
Color: White
Odor: Alcohol
Odor threshold: No data available.
pH: Not applicable
Melting point/freezing point: Not applicable
Initial boiling point and boiling range: No data available.
Flash Point: 70 °C
Evaporation rate: No data available.
Flammability (solid, gas): No data available.

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.
Heat of combustion: No data available.

Vapor pressure: No data available.

Vapor density: No data available.
Density: No data available.
Relative density: 1.3
Solubility(ies)
   Solubility in water: No data available.
   Solubility (other): No data available.
Partition coefficient (n-octanol/water) Log Pow: No data available.
Auto-ignition temperature: No data available.
Decomposition temperature: No data available.
SADT: No data available.
Viscosity, dynamic: No data available.
Viscosity, kinematic: No data available.
VOC: 24 g/l

10. Stability and reactivity

Reactivity: No dangerous reaction if used as recommended.
Chemical Stability: Material is stable under normal conditions.
Possibility of hazardous reactions: Hazardous polymerisation does not occur.
Conditions to avoid: Keep away from heat. Keep away from sources of ignition - No smoking.
Incompatible Materials: None known.
Hazardous Decomposition Products: Carbon oxides Oxides of silicon. Measurements at temperatures above 150°C in presence of air (oxygen) have shown that small amounts of formaldehyde are formed due to oxidative degradation.

11. Toxicological information

Information on likely routes of exposure
   Ingestion: No data available.
   Inhalation: No data available.
   Skin Contact: No data available.
   Eye contact: No data available.
Symptoms related to the physical, chemical and toxicological characteristics

Ingestion: No data available.

Inhalation: No data available.

Skin Contact: No data available.

Eye contact: No data available.

Information on toxicological effects

Acute toxicity (list all possible routes of exposure)

Oral
Product: Not classified for acute toxicity based on available data.

Specified substance(s):
(1) TITANIUM DIOXIDE LD 50 (Rat): > 10,000 mg/kg

Octadecanoic acid LD 50 (Rat, No data available.): > 2,000 mg/kg

Octamethylcyclotetrasiloxane LD 50 (Rat): 4,800 mg/kg

Dermal
Product: Not classified for acute toxicity based on available data.

Specified substance(s):
(1) TITANIUM DIOXIDE LD 50 (Rabbit): > 10,000 mg/kg

Octamethylcyclotetrasiloxane LD 50 (Rat): > 2,400 mg/kg

Inhalation
Product: Not classified for acute toxicity based on available data.

Specified substance(s):
(1) TITANIUM DIOXIDE LC50 (Rat): > 6.8 mg/l

Octamethylcyclotetrasiloxane LC50 (Rat): 36 mg/l

Repeated dose toxicity
Product: No data available.

Skin Corrosion/Irritation

SDS_US
Product: No data available.

**Serious Eye Damage/Eye Irritation**

Product: No data available.

**Respiratory or Skin Sensitization**

Product: No data available.

**Carcinogenicity**

Product: No data available.

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

(1) QUARTZ Overall evaluation: 1. Carcinogenic to humans.

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

(1) QUARTZ Known To Be 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.

**Specified substance(s):**

Octamethylcyclotetrasiloxane Ames-Test (OECD-Guideline 471 (Genetic Toxicology: Salmonella typhimurium, Reverse Mutation Assay)): negative (not mutagenic)

Mouse Lymphoma Assay (OECD Guidline 476): negative (not mutagenic)

**In vivo**

Product: No data available.

**Specified substance(s):**

Octamethylcyclotetrasiloxane Chromosomal aberration (OECD-Guideline 474 (Genetic Toxicology: Micronucleus Test)) Inhalation (Rat, male and female): negative

**Reproductive toxicity**

Product: No data available.

**Specific Target Organ Toxicity - Single Exposure**

Product: No data available.

**Specific Target Organ Toxicity - Repeated Exposure**

Product: No data available.

**Aspiration Hazard**

Product: No data available.
Other effects: No data available.

Specified substance(s):
- Octamethylcyclotetrasiloxane (D4)
  - Ingestion: Rodents given large doses via oral gavage of Octamethylcyclotetrasiloxane (1600mg/kg/day, 14 days), developed increased liver weights relative to unexposed control animals due to hepatocellular hyperplasia (increased number of liver cells which appear normal) as well as hypertrophy (increased cell size). Inhalation: In inhalation studies, laboratory rodents exposed to Octamethylcyclotetrasiloxane (300 ppm five days/week, 90 days) developed increased liver weights in female animals relative to unexposed control animals. When the exposure was stopped, liver weights returned to normal. Microscopic examination of the liver cells did not show any evidence of pathology. This response in rats, which does not affect the animal's health, is well-documented and widely recognized. It is related to an increase of liver enzymes that metabolize and eliminate a material from the body. The increased liver weight reverses even while the D4 exposure continues. The finding is not adverse, but is considered a natural adaptive change in rats, and does not represent a hazard to humans. Inhalation studies utilizing laboratory rabbits and guinea pigs showed no effects on liver weights. Inhalation exposures typical of industrial usage (5-10 ppm) showed no toxic effects in rodents. Range finding reproductive studies were conducted (whole body inhalation, 70 days prior to mating, through mating, gestation and lactation), with D4. Rats were exposed to 70 and 700 ppm. In the 700 ppm group, there was a statistically significant reduction in mean litter size and in implantation sites. No D4 related clinical signs were observed in the pups and no exposure related pathological findings were found. A two-year, combined chronic/carcinogenicity study, during which rats were exposed to D4 by inhalation, data showed a statistically significant increase in a benign uterine tumor in female rats exposed at the highest level—a level much higher than the low levels that consumers or workers may encounter. An expert panel of independent scientists who have reviewed the results of this research concur that the finding seen in the two-year study occurred through a biological pathway that is specific to the rat and is not relevant to humans. Therefore, this observed effect does not indicate a potential health hazard to humans. In developmental toxicity studies, rats and rabbits were exposed to D4 at concentrations up to 700 ppm and 500 ppm, respectively. No teratogenic effects (birth defects) were observed in either study.

12. Ecological information

Ecotoxicity:

Acute hazards to the aquatic environment:

- Fish
  - Product: No data available.

Specified substance(s):
(1) TITANIUM DIOXIDE
LC0 (Leuciscus idus, 48 h): > 1,000 mg/l

Octadecanoic acid
LC0 (Brachydanio rerio, 96 h): > 100 mg/l
LC0 (Leuciscus idus, 96 h): > 100 mg/l

**Aquatic Invertebrates**
**Product:** No data available.

**Chronic hazards to the aquatic environment:**

**Fish**
**Product:** No data available.

**Specified substance(s):**
Octadecanoic acid
LC0 (Brachydanio rerio, 4 d): > 100 mg/l
LC0 (Leuciscus idus, 4 d): > 100 mg/l

**Aquatic Invertebrates**
**Product:** No data available.

**Toxicity to Aquatic Plants**
**Product:** No data available.

**Persistence and Degradability**

**Biodegradation**
**Product:** No data available.

**Specified substance(s):**
(1) TITANIUM DIOXIDE 0 %

Octamethylcyclotetrasiloxane 3.7 % (29 d, 310 Ready Biodegradability - CO₂ in Sealed Vessels (Headspace Test)) Not readily biodegradable.

**BOD/COD Ratio**
**Product:** No data available.

**Bioaccumulative potential**

**Bioconcentration Factor (BCF)**
**Product:** No data available.

**Specified substance(s):**
Octamethylcyclotetrasiloxane Fathead Minnow, Bioconcentration Factor (BCF): 12.40

**Partition Coefficient n-octanol / water (log Kow)**
**Product:** No data available.
Mobility in soil: No data available.

Known or predicted distribution to environmental compartments
(1) Calcium Carbonate No data available.
(1) TITANIUM DIOXIDE No data available.
Octadecanoic acid No data available.
Titanium, Bis(ethyl acetoacetato)-diisopropoxy No data available.
Titanate Catalyst No data available.
(1) QUARTZ No data available.
Octamethylcyclotetrasiloxane No data available.

Other adverse effects: No data available.

13. Disposal considerations

General information: The generation of waste should be avoided or minimized wherever possible. Do not discharge into drains, water courses or onto the ground. See Section 8 for information on appropriate personal protective equipment.

Disposal instructions: Disposal should be made in accordance with federal, state and local regulations.

Contaminated Packaging: Dispose of as unused product.

14. Transport information

DOT
UN Number: NA 1993
UN Proper Shipping Name: Combustible liquid, n.o.s.(Decamethylcyclopentasiloxane, METHYLTRIMETHOXYSILANE, Titanium, Bis(ethyl acetoacetato)-diisopropoxy)
Transport Hazard Class(es)
Class: CBL
Label(s): NONE
Packing Group: III
Marine Pollutant: No

IMDG
Not regulated.

IATA
Not regulated.

Special precautions for user: This product is Combustible as defined by the US Department of Transportation (DOT). It is regulated for transport in the US in container > 119 gallons. The product is not regulated for transport by the IATA, ADR/RID, ADNR or the IMDG regulations.
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.

CERCLA Hazardous Substance List (40 CFR 302.4):
None present or none present in regulated quantities.

Superfund Amendments and Reauthorization Act of 1986 (SARA)

Hazard categories
Flammable (gases, aerosols, liquids, or solids)
Carcinogenicity
Reproductive toxicity

SARA 302 Extremely Hazardous Substance
None present or none present in regulated quantities.

SARA 304 Emergency Release Notification
None present or none present in regulated quantities.

SARA 311/312 Hazardous Chemical

<table>
<thead>
<tr>
<th>Chemical Identity</th>
<th>Threshold Planning Quantity</th>
</tr>
</thead>
<tbody>
<tr>
<td>(1) Calcium Carbonate</td>
<td>10000 lbs</td>
</tr>
<tr>
<td>(1) TITANIUM DIOXIDE</td>
<td>10000 lbs</td>
</tr>
<tr>
<td>Octadecanoic acid</td>
<td>10000 lbs</td>
</tr>
<tr>
<td>Titanium, Bis(ethyl acetoacetato)-diispropoxy</td>
<td>10000 lbs</td>
</tr>
<tr>
<td>Titanate Catalyst</td>
<td>10000 lbs</td>
</tr>
<tr>
<td>(1) QUARTZ</td>
<td>10000 lbs</td>
</tr>
<tr>
<td>Octamethylcyclotetrasiloxane</td>
<td>10000 lbs</td>
</tr>
</tbody>
</table>

SARA 313 (TRI Reporting)
None present or none present in regulated quantities.

Clean Water Act Section 311 Hazardous Substances (40 CFR 117.3)
None present or none present in regulated quantities.

Clean Air Act (CAA) Section 112(r) Accidental Release Prevention (40 CFR 68.130):
None present or none present in regulated quantities.

US State Regulations

US. California Proposition 65
WARNING
Cancer and Reproductive Harm - www.P65Warnings.ca.gov

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

Chemical Identity
Siloxanes and Silicones, di-Me hydroxy terminated
(1) Calcium Carbonate
Decamethylcyclopentasiloxane
(1) TITANIUM DIOXIDE
Silanamine, 1,1,1-trimethyl-N-(trimethylsilyl) -, reaction products with ammonia, octamethylcyclotrisiloxane and silica
Octadecanoic acid
Titanium, Bis(ethyl acetoacetato)-diisoproxy
Titanate Catalyst
(1) QUARTZ
Octamethylcyclotetrasiloxane

US. Massachusetts RTK - Substance List

Chemical Identity
(1) Calcium Carbonate
(1) TITANIUM DIOXIDE
(1) QUARTZ

US. Pennsylvania RTK - Hazardous Substances

Chemical Identity
(1) Calcium Carbonate
(1) TITANIUM DIOXIDE

US. Rhode Island RTK

Chemical Identity
(1) Calcium Carbonate
(1) TITANIUM DIOXIDE
Inventory Status:

<table>
<thead>
<tr>
<th>Inventory Status</th>
<th>Status</th>
<th>Remarks</th>
</tr>
</thead>
<tbody>
<tr>
<td>Australia AiCS:</td>
<td>On or in compliance with the inventory</td>
<td>None.</td>
</tr>
<tr>
<td>Canada DSL Inventory List:</td>
<td>Not in compliance with the inventory</td>
<td>None.</td>
</tr>
<tr>
<td>EINECS, ELINCS or NLP:</td>
<td>On or in compliance with the inventory</td>
<td>None.</td>
</tr>
<tr>
<td>Japan (ENCS) List:</td>
<td>Not in compliance with the inventory</td>
<td>None.</td>
</tr>
<tr>
<td>China Inv. Existing Chemical Substances:</td>
<td>On or in compliance with the inventory</td>
<td>None.</td>
</tr>
<tr>
<td>Korea Existing Chemicals Inv. (KECI):</td>
<td>On or in compliance with the inventory</td>
<td>None.</td>
</tr>
<tr>
<td>Canada NDSL Inventory:</td>
<td>Not in compliance with the inventory</td>
<td>None.</td>
</tr>
<tr>
<td>Philippines PICCS:</td>
<td>Not in compliance with the inventory</td>
<td>None.</td>
</tr>
<tr>
<td>US TSCA Inventory:</td>
<td>On or in compliance with the inventory</td>
<td>None.</td>
</tr>
<tr>
<td>New Zealand Inventory of Chemicals:</td>
<td>Not in compliance with the inventory</td>
<td>None.</td>
</tr>
<tr>
<td>Taiwan Chemical Substance Inventory:</td>
<td>On or in compliance with the inventory</td>
<td>None.</td>
</tr>
</tbody>
</table>

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

HMIS Hazard ID

<table>
<thead>
<tr>
<th>Health</th>
<th>0</th>
<th>1</th>
<th>2</th>
</tr>
</thead>
<tbody>
<tr>
<td>Flammability</td>
<td>2</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Physical Hazards</td>
<td>1</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

PERSONAL PROTECTION

Hazard rating: 0 - Minimal; 1 - Slight; 2 - Moderate; 3 - Serious; 4 - Severe; RNP - Rating not possible; *Chronic health effect

Issue Date: 09/26/2018
Revision Date: No data available.
Version #: 1.0
Further Information: No data available.
Disclaimer:

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