

# Safety Data Sheet

Revision Date: 06-05-2015  
Product Code: FC7540-11

## 1. IDENTIFICATION

<b>Product Name</b>	<b>FC URETHANE ALIPHATIC TOPCOAT - LIGHT GRAY</b>
<b>Product Code</b>	FC7540-11
<b>Document ID</b>	GFC7540-11
<b>Revision Number</b>	1
<b>Prior Version Date</b>	None
<b>Intended Use</b>	Industrial Maintenance Floor TopCoat Urethane
<b>Restrictions On Use</b>	For Industrial Use Only
<b>Chemical Family</b>	Urethane Coating
<b>Chemical Manufacturer / Importer</b>	NEOGARD® - a Division of JONES-BLAIR® Company, LLC 2728 Empire Central Dallas, TX 75235 1-214-353-1600
<b>Emergency Telephone Number:</b>	ChemTrec Center 1-800-424-9300 <b>International:</b> 703-527-3887

## 2. HAZARD(S) IDENTIFICATION

Classification of the chemical in accordance with paragraph (d) of §1910.1200;

### Hazard Pictograms



**GHS Classification** Skin Corrosion/Irritation Category 1A  
Serious Eye Damage/Eye Irritation Category 1  
Skin Sensitisation Category 1  
Carcinogenicity Category 2

**Signal Word** Danger

**Hazard Statements** Causes severe skin burns and eye damage. May cause an allergic skin reaction. Suspected of causing cancer.

### Precautionary Statements

**Prevention** Obtain special instructions before use. Do not handle until all safety precautions have been read and understood. Do not breathe dust, fume, mist, vapours or spray. Wash thoroughly after handling. Contaminated work clothing should not be allowed out of the workplace. Wear protective gloves, protective clothing, eye protection and face protection. Use personal protective equipment as required.

**Response** IF SWALLOWED: rinse mouth. Do NOT induce vomiting. IF ON SKIN (or hair): Remove/Take off immediately all contaminated clothing. Rinse skin with water/shower. IF INHALED: Remove victim to fresh air and keep at rest in a position comfortable for breathing. IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. IF exposed or concerned: Get medical attention. Immediately call a POISON CENTER or physician. If skin irritation or rash occurs: Get medical

# Safety Data Sheet

Revision Date: 06-05-2015  
Product Code: FC7540-11

attention. Wash contaminated clothing before reuse.

<b>Storage</b>	Store locked up.
<b>Disposal</b>	Dispose of contents and container in accordance with all local, regional, national and international regulations.
<b>Hazards Not Otherwise Classified (HNOC)</b>	Not applicable
<b>Additional Information</b>	Not applicable

### 3. COMPOSITION/INFORMATION ON INGREDIENTS

<u>Chemical Component</u>	<u>CAS #</u>	<u>%</u>
Castor oil	8001-79-4	40 - 60
Titanium dioxide	13463-67-7	7 - 13
Aldimine	54914-37-3	5 - 10
Crystalline Aluminosilicate	1318-02-1	1 - 5
Stoddard solvent	8052-41-3	0.5 - 1.5
Bis(1,2,2,6,6-pentamethyl-4-piperidyl) sebacate	41556-26-7	0.1 - 1
methyl 1,2,2,6,6-pentamethyl-4-piperidyl sebacate	82919-37-7	0.1 - 1

The specific chemical identity and/or exact percentage (concentration) of composition has been withheld as a trade secret.

### 4. FIRST-AID MEASURES

<b>Inhalation</b>	Remove individual to fresh air after an airborne exposure if any symptoms develop as a precautionary measure. If breathing difficulty persists or occurs later, consult a physician and have MSDS available.
<b>Eye Contact</b>	In case of contact, immediately flush eyes with plenty of water for at least 15 minutes. Get medical attention immediately.
<b>Skin Contact</b>	Wash with soap and water under a drench shower. Remove contaminated clothing, launder immediately, and discard contaminated leather goods. Get medical attention immediately. Thoroughly wash or discard clothing and shoes before reuse.
<b>Ingestion</b>	If swallowed, do not induce vomiting. Get medical attention immediately.
<b>Most Important Acute Symptoms and Effects</b>	Not Available
<b>Most Important Delayed Symptoms and Effects</b>	Not Available
<b>Special treatment needed:</b>	No additional first aid information available

### 5. FIRE-FIGHTING MEASURES

<b>Suitable Extinguishing Media</b>	Use alcohol foam, carbon dioxide, or water spray when fighting fires involving this material. Carbon dioxide Alcohol foam Dry chemical Water spray
<b>Unsuitable Extinguishing Media</b>	No data available
<b>Fire and/or Explosion Hazards</b>	Material may be ignited only if preheated to temperatures above the high flash point, for example in a fire.

# Safety Data Sheet

Revision Date: 06-05-2015

Product Code: FC7540-11

## Hazardous Combustion Products

Carbon dioxide, Carbon monoxide, Nitrogen containing gases, Hydrocarbons

## Special Protective Equipment and Precautions for Fire-Fighters

Do not enter fire area without proper protection including self-contained breathing apparatus and full protective equipment. Do not enter fire area without proper protection including self-contained breathing apparatus and full protective equipment.

Heat may build pressure and rupture closed containers, spreading fire and increasing risk of burns or injuries.

## 6. ACCIDENTAL RELEASE MEASURES

### Personal Precautions, Protective Equipment and Emergency Procedures

Exposure to the spilled material may be irritating or harmful. Follow personal protective equipment recommendations found in Section VIII of this SDS. Additional precautions may be necessary based on special circumstances created by the spill including the material spilled, the quantity of the spill, the area in which the spill occurred. Also consider the expertise of employees in the area responding to the spill.

### Methods and Material for Containment and Cleaning Up

Prevent the spread of any spill to minimize harm to human health and the environment if safe to do so. Dike with suitable absorbent material. Gather and store in a sealed container pending disposal.

## 7. HANDLING AND STORAGE

### Precautions for Safe Handling

Harmful or irritating material. Avoid contacting and avoid breathing the material. Use only in a well ventilated area. As with all chemicals, good industrial hygiene practices should be followed when handling this material. Do not get in eyes, on skin and clothing. Wash thoroughly after handling.

### Conditions for Safe Storage Materials to Avoid/Chemical Incompatibility

Store in a cool dry place. Keep container(s) closed. Oxidizing agents, Acids, Alkaline earth metals

## 8. EXPOSURE CONTROLS/PERSONAL PROTECTION

### Exposure Limits

<u>Chemical Component</u>	<u>OSHA PEL</u>	<u>ACGIH TLV-TWA</u>	<u>ACGIH STEL</u>
Titanium dioxide	15 mg/m <sup>3</sup> TWA (total dust)	10 mg/m <sup>3</sup> TWA	
Stoddard solvent	500 ppm TWA; 2900 mg/m <sup>3</sup> TWA	100 ppm TWA; 572 mg/m <sup>3</sup> TWA	

### Appropriate Engineering Controls Respiratory Protection

Use local exhaust ventilation or other engineering controls to minimize exposure.

General or local exhaust ventilation is the preferred means of protection. In cases where ventilation is inadequate, respiratory protection may be required to avoid overexposure. Follow respirator manufacturer's directions for respirator use. For poorly ventilated areas or during spray application use NIOSH approved supplied air respirator unless air monitoring demonstrates vapor/mist levels below applicable limits. When monomeric isocyanate concentrations are below 0.05 ppm (10 times the 8 hour TWA exposure limit), an appropriate combination organic vapor and particulate respirator (NIOSH approved) may be appropriate. An end-of-service-life Indicator (ESLI) or a change schedule is mandatory.

### Eye Protection

Wear safety glasses with side shields when handling this product. Wear additional eye protection such as chemical splash goggles and/or face shield when the possibility exists for eye contact with splashing or spraying liquid, or airborne material. Have an eye wash

# Safety Data Sheet

Revision Date: 06-05-2015  
Product Code: FC7540-11

<b>Skin Protection</b>	station available. Avoid all skin contact by covering as much of the exposed skin area as possible with appropriate clothing to prevent skin contact. Wash hands and other exposed areas with mild soap and water before eating, drinking, and when leaving work. Clothing suitable to prevent skin contact.
<b>General Hygiene Conditions</b>	As with all chemicals, good industrial hygiene practices should be followed when handling this material. Do not get in eyes, on skin and clothing. Wash thoroughly after handling.

## 9. PHYSICAL AND CHEMICAL PROPERTIES

---

<b>Appearance</b>	
Physical State	Liquid
Color	Grey
<b>Odor</b>	Aldehyde
<b>Odor Threshold</b>	No data available
<b>pH</b>	No data available
<b>Melting Point/Freezing Point (°F/°C)</b>	No data available / No data available
<b>Initial Boiling Point and Boiling Range</b>	
Low (°F)	572.0
High (°F)	600.0
<b>Flash Point (°F/°C)</b>	201 / 94
<b>Flammability (solid, gas)</b>	No data available
<b>Upper Flammable/Explosive Limit</b>	No data available
<b>Lower Flammable/Explosive Limit</b>	No data available
<b>Vapor Pressure</b>	0.01 (mm Hg @ 77° F / 25° C)
<b>Vapor Density</b>	8.00 (air = 1)
<b>Relative Density</b>	0.960
<b>Solubility in Water</b>	Reacts slowly with water.
<b>Partition coefficient: n-octanol/water</b>	No data available
<b>Auto-ignition Temperature</b>	No data available
<b>Decomposition Temperature:</b>	No data available
<b>Viscosity</b>	99 - 109 KU
<b>Volatiles, % by volume</b>	5.01
<b>Volatiles, % by weight</b>	2.98
<b>Volatile Organic Chemicals (g/L)</b>	
(Regulatory, Calculated)	23.00
(Actual, Calculated)	22.49
<b>Density</b>	12.14 - 12.34 lbs./Gal

## 10. STABILITY AND REACTIVITY

---

<b>Chemical stability</b>	Stable under normal conditions.
<b>Possibility of Hazardous Reactions</b>	No data available
<b>Conditions to Avoid</b>	Temperatures above the high flash point of this combustible material in combination with sparks, open flames, or other sources of ignition. Water contamination.
<b>Incompatible Materials</b>	Oxidizing agents, Acids, Alkaline earth metals
<b>Hazardous Decomposition Products</b>	Carbon dioxide, Carbon monoxide, Nitrogen containing gases, Hydrocarbons

## 11. TOXICOLOGICAL INFORMATION

---

<b>Routes of Exposure</b>	Inhalation Skin contact Eye contact Ingestion
---------------------------	--

### Immediate (Acute) Health Effects by Route of Exposure

# Safety Data Sheet

Revision Date: 06-05-2015

Product Code: FC7540-11

**Inhalation Irritation** Inhalation of dusts produced during cutting, grinding or sanding of this product may cause irritation of the respiratory tract. Causes nose and throat irritation. Causes lung irritation.

**Inhalation Toxicity** Vapor harmful. May affect the brain or nervous system causing dizziness, headache or nausea. May cause allergic respiratory reaction. Inhalation of high concentrations may be corrosive with symptoms of coughing, burning, ulceration and pain.

**Skin Contact** Corrosive to skin tissue. Can cause chemical burns. Sensitizer. Avoid exposure. If sensitized, repeated exposures will result in irritation, reddening, and rashes even for very low exposures. May cause allergic skin reaction.

**Eye Contact** Causes eye irritation.

**Long-Term (Chronic) Health Effects**  
**Carcinogenicity**

**Inhalation** Contains Titanium Dioxide which is listed by IARC as possibly carcinogenic to humans (Group 2B). This listing is based on inadequate evidence with respect to humans and sufficient evidence in experimental animals. Isocyanate vapors or mist at concentrations above the TLV can irritate the mucous membranes in the respiratory tract causing runny nose, sore throat, coughing, chest discomfort, shortness of breath and reduced lung function. Exposure well above the TLV may lead to generally reversible bronchitis, bronchial spasm and pulmonary edema. Repeated overexposure causes sensitization in some individuals resulting in asthma-like symptoms on subsequent exposures below the TLV. Persons with preexisting bronchial hyperactivity can respond to concentrations below the TLV with similar symptoms as well as an asthma attack. NOTICE: Reports have associated repeated and prolonged occupational overexposure to solvents with permanent brain and nervous system damage. Intentional misuse by deliberately concentrating and inhaling the contents may be harmful or fatal.

**Skin Contact** Prolonged contact may cause an allergic skin reaction.

**Product Toxicology Data**

**Inhalation Dust/Mist Acute Toxicity Estimate (ATE)** 33.08 mg/L

**Inhalation Vapor Acute Toxicity Estimate (ATE)** 194.74 mg/L

**Component Toxicology Data**

Chemical Component	Oral LD50	Dermal LD50	Inhalation LC50
Titanium dioxide	Oral LD50 Rat > 25,000 mg/kg	Dermal LD50 Rabbit > 10,000 mg/kg	Inhalation LC50 (4h) Rat > 6.82 mg/L
Aldimine	Oral LD50 Rat 4150 mg/kg	Dermal LD50 Rat > 5000 mg/kg	
Crystalline Aluminosilicate	Oral LD50 Rat > 5110 mg/kg	Dermal LD50 Rabbit > 2000 mg/kg	Inhalation LC50 (4h) Rat > 3.35 mg/L
Decamethylcyclopentasiloxane	Oral LD50 Rat > 5000 mg/kg		
Organic Clay	Oral LD50 Rat 20,000 mg/kg		
Stoddard solvent	Oral LD50 Rat > 5 g/kg		Inhalation LC50 Rat > 6.10 mg/L

**Carcinogen Information**

Chemical Name	IARC Carcinogen	OSHA Carcinogen	NTP Carcinogen
---------------	-----------------	-----------------	----------------

# Safety Data Sheet

Revision Date: 06-05-2015  
Product Code: FC7540-11

Titanium dioxide 2B

## 12. ECOLOGICAL INFORMATION

**Ecotoxicity (aquatic and terrestrial, where available)** No data available  
**Mobility in soil** No data available

## 13. DISPOSAL CONSIDERATIONS

**Safe Handling of Waste** Refer to other sections of this SDS to determine the toxicity and physical characteristics of the material to determine the proper waste identification and disposal in compliance with applicable regulations.

## 14. TRANSPORT INFORMATION

This section provides basic shipping classification information and does not contain all regulatory transportation details. Refer to all applicable regulations for domestic, international, air, vessel and ground transportation requirements and restrictions.

**DOT Basic Description:** Paint, Not-Regulated

**Marine Pollutant:** No

## 15. REGULATORY INFORMATION

**TSCA Status** All components of this product are either listed on the TSCA Inventory; or, are not subject to the inventory notification requirements.

### Regulated Components

#### SARA EHS Chemicals

Not applicable

CAS #                      %

#### CERCLA

Not applicable

#### SARA 313

Not applicable

#### SARA 311/312

Health (Acute): Y  
Health (chronic): Y  
Fire (Flammable): N  
Pressure: N  
Reactivity: N

### U. S. State Regulations:

#### California Prop 65 Chemicals

##### **Cancer**

Titanium dioxide                      CAS #                      %  
13463-67-7                              7 - 13  
Crystalline Silica                      14808-60-7                      < 1 ppb

##### **Reproductive**

Not applicable

### Canadian Regulations:

**CEPA DSL:** The components of this product ARE listed on the Canadian Domestic Substances

# Safety Data Sheet

**Revision Date:** 06-05-2015  
**Product Code:** FC7540-11

**WHMIS Hazard Class:** List.  
D2A E

## 16. OTHER INFORMATION

---

**Revision Date** 06-05-2015

**Disclaimer** This SDS has been prepared in accordance with the OSHA Hazard Communication Standard (29 CFR 1910.1200) and Canada's Controlled Product Regulations (CPR). To the best of our knowledge the information contained herein is accurate. Determination of safe handling, application and use of this material is the responsibility of the end user. This information is furnished without warranty, expressed or implied.