

# MATERIAL SAFETY DATA SHEET

## FC7510

### I. PRODUCT AND COMPANY IDENTIFICATION

<b>PRODUCT NAME:</b>	FC URETHANE TOPCOAT GRAY
<b>PRODUCT CODE:</b>	FC7510
<b>DOCUMENT ID:</b>	MFC7510
<b>COMPANY:</b>	NEOGARD® - a Division of JONES-BLAIR® Company 2728 Empire Central Dallas, TX 75235 1-214-353-1600
<b>REVISION NUMBER:</b>	2
<b>PRIOR VERSION DATE:</b>	10-12-2007
<b>CHEMICAL FAMILY:</b>	Urethane Coating
<b>Intended use:</b>	Industrial Maintenance Floor TopCoat
<b>EMERGENCY CONTACT:</b>	ChemTrec Center
<b>EMERGENCY PHONE:</b>	1-800-424-9300

### II. HAZARDS IDENTIFICATION

<b>EMERGENCY OVERVIEW:</b>	<b>WARNING!</b> Harmful if inhaled.
<b>ROUTES OF ENTRY:</b>	<ul style="list-style-type: none"><li>• Inhalation</li><li>• Ingestion</li><li>• Skin contact</li><li>• Eye contact</li></ul>

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<b>TARGET ORGANS POTENTIALLY AFFECTED BY EXPOSURE:</b>	<ul style="list-style-type: none"><li>• Eyes</li><li>• Respiratory Tract</li></ul>
<b>MEDICAL CONDITIONS AGGRAVATED BY EXPOSURE:</b>	<ul style="list-style-type: none"><li>• Eye disorders.</li><li>• Respiratory disorders, including but not limited to asthma and bronchitis.</li></ul>

## IMMEDIATE (ACUTE) HEALTH EFFECTS BY ROUTE OF EXPOSURE:

<b>INHALATION IRRITATION:</b>	Inhalation of dusts produced during cutting, grinding or sanding of this product may cause irritation of the respiratory tract.
<b>SKIN CONTACT:</b>	Causes skin irritation.

## LONG-TERM (CHRONIC) HEALTH EFFECTS:

<b>CARCINOGENICITY:</b>	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.
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## III. COMPOSITION/INFORMATION ON INGREDIENTS

CHEMICAL NAME	%	CAS #
Calcium carbonate	10 - 30	471-34-1
Barium Sulfate	10 - 30	7727-43-7
Titanium dioxide	3 - 7	13463-67-7

## IV. FIRST-AID MEASURES

<b>INHALATION:</b>	Remove to fresh air. If breathing is difficult, have a trained individual administer oxygen.
<b>EYES:</b>	In case of contact, immediately flush eyes with plenty of water for at least 15 minutes. Get medical attention immediately.

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<b>SKIN CONTACT:</b>	Wash with soap and water. Get medical attention if irritation develops or persists.
<b>INGESTION:</b>	If swallowed, do not induce vomiting. Get medical attention immediately.

## V. FIRE FIGHTING MEASURES

<b>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>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.
<b>FIRE FIGHTING METHODS AND PROTECTION:</b>	Do not enter fire area without proper protection including self-contained breathing apparatus and full protective equipment.
<b>HAZARDOUS COMBUSTION PRODUCTS:</b>	Carbon monoxide, Carbon dioxide, Sulfur containing gases
<b>FLASH POINT ( F/ C):</b>	205 / 96

## VI. ACCIDENTAL RELEASE MEASURES

<b>PERSONAL PRECAUTIONS AND EQUIPMENT:</b>	Follow personal protective equipment recommendations found in Section VIII of this MSDS. 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. See MSDS sections III, XIII and XV for disposal considerations.
<b>METHODS FOR CLEAN-UP:</b>	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.

## VII. HANDLING AND STORAGE

<b>HANDLING TECHNICAL MEASURES AND PRECAUTIONS:</b>	Overexposure may be harmful. As with all chemicals, good industrial hygiene practices should be followed when handling this material.
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**STORAGE TECHNICAL MEASURES AND CONDITIONS:**

Store in a cool dry place. Keep container(s) closed.

## VIII. EXPOSURE CONTROLS/PERSONAL PROTECTION

<b>ENGINEERING MEASURES:</b>	Local exhaust ventilation or other engineering controls may be required when handling or using this product to avoid overexposure.
<b>RESPIRATORY PROTECTION:</b>	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.
<b>EYE PROTECTION:</b>	Wear chemically resistant safety glasses with side shields when handling this product.
<b>SKIN PROTECTION:</b>	Where use can result in skin contact, practice good personal hygiene. Wash hands and other exposed areas with mild soap and water before eating, drinking, and when leaving work. Clothing suitable to prevent skin contact. Chemical Resistant gloves are recommended.

## CONTROL PARAMETERS:

Chemical Name	ACGIH TLV-TWA	ACGIH STEL	OSHA PEL-TWA
Calcium carbonate			15 mg/m <sup>3</sup> TWA total dust; 5mg/m <sup>3</sup> TWA Respirable Dust
Barium Sulfate	10 mg/m <sup>3</sup> TWA (total); 5mg/m <sup>3</sup> (respirable)		15 mg/m <sup>3</sup> TWA (total); 5 mg/m <sup>3</sup> TWA (respirable)
Titanium dioxide	10 mg/m <sup>3</sup> TWA		15 mg/m <sup>3</sup> TWA (total dust)

## IX. PHYSICAL AND CHEMICAL PROPERTIES

**Color:** Grey  
**Physical State:** Liquid  
**VOC (g/l)** (Regulatory, Calculated): 28  
(Actual, Calculated): 28

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**Viscosity:** 89 - 109 KU  
**Solubility in Water:** Minimal; 1-9%  
**Octanol/Water Partition Coefficient:** Not Available  
**Volatiles, % by Volume** (Calculated): 3.41  
**Volatiles, % by weight** (Calculated): 1.95  
**Wt/Gal:** 11.83 - 12.03

Physical and Chemical Properties are calculated target or range values for single packaged items and do not represent compliance values for multi-component (mixed) systems.

## X. STABILITY AND REACTIVITY

<b>STABILITY:</b>	Stable under normal conditions.
<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. Contamination.
<b>MATERIALS TO AVOID/CHEMICAL INCOMPATIBILITY:</b>	Acids
<b>POLYMERIZATION:</b>	Will not occur.
<b>HAZARDOUS DECOMPOSITION PRODUCTS:</b>	Carbon monoxide, Carbon dioxide, Sulfur containing gases

## XI. TOXICOLOGICAL INFORMATION

Component Toxicology Data:				
Chemical Name	CAS Number	LD50/LC50		
Titanium dioxide	13463-67-7	Oral LD50 Rat > 25 g/kg Dermal LD50 Rabbit > 10 g/kg Inhalation LC50 (4h) Rat > 6.82 mg/L		
Carcinogens:				
Chemical Name	CAS Number	IARC	NTP	OSHA

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Titanium dioxide	13463-67-7	2B		
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## XII. ECOLOGICAL INFORMATION

Toxicity data, if available, are listed below.

## XIII. DISPOSAL CONSIDERATIONS

### DISPOSAL METHODS:

Refer to other sections of this MSDS to determine the toxicity and physical characteristics of the material to determine the proper waste identification and disposal in compliance with applicable regulations.

## XIV. TRANSPORTATION 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

## XV. REGULATORY INFORMATION

### United States Federal Regulations:

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

SARA EHS Chemicals	CAS #	%
Not applicable		
<b>CERCLA</b> Not applicable		
<b>SARA 313</b> Not applicable		

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## 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

Benzene  
Reproductive

71-43-2

< 10 ppb

Benzene

71-43-2

< 10 ppb

### Canadian Regulations:

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

**WHMIS Hazard Class:** D2A

## XVI. ADDITIONAL INFORMATION

<b>PREPARED BY:</b>	Regulatory Department
<b>DISCLAIMER:</b>	This MSDS 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.
<b>PRINT DATE:</b>	November 30, 2009

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