

MATERIAL SAFETY DATA SHEET

FC7500

I. PRODUCT AND COMPANY IDENTIFICATION

PRODUCT NAME:	FC URETHANE BASECOAT GRAY
PRODUCT CODE:	FC7500
DOCUMENT ID:	MFC7500
COMPANY:	NEOGARD® - a Division of JONES-BLAIR® Company 2728 Empire Central Dallas, TX 75235 1-214-353-1600
REVISION NUMBER:	3
PRIOR VERSION DATE:	11-22-2010
CHEMICAL FAMILY:	Urethane Coating
Intended use:	Industrial Maintenance Floor BaseCoat Urethane
EMERGENCY CONTACT:	ChemTrec Center
EMERGENCY PHONE:	1-800-424-9300

II. HAZARDS IDENTIFICATION

EMERGENCY OVERVIEW:	Causes skin irritation. Causes eye irritation. Harmful if inhaled. Vapor and spray mist harmful. Causes nose and throat irritation. Overexposure may cause lung damage. May cause allergic skin and respiratory reaction. Effects may be permanent.
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ROUTES OF ENTRY:	<ul style="list-style-type: none"> • Inhalation • Ingestion • Skin contact • Eye contact
TARGET ORGANS POTENTIALLY AFFECTED BY EXPOSURE:	<ul style="list-style-type: none"> • Skin • Respiratory Tract
MEDICAL CONDITIONS AGGRAVATED BY EXPOSURE:	<ul style="list-style-type: none"> • Skin allergies. • Individuals with lung or breathing problems or prior reaction to isocyanates must not be exposed to vapor or spray mist. • Respiratory disorders, including but not limited to asthma and bronchitis

IMMEDIATE (ACUTE) HEALTH EFFECTS BY ROUTE OF EXPOSURE:

INHALATION IRRITATION:	Inhalation of dusts produced during cutting, grinding or sanding of this product may cause irritation of the respiratory tract.
SKIN CONTACT:	Can cause minor skin irritation. Sensitizer. Avoid exposure. If sensitized, repeated exposures will result in irritation, reddening, and rashes even for very low exposures.
EYE CONTACT:	Can cause severe irritation. Eye contact may result in corneal injury. Symptoms may include discomfort or pain, excess blinking and tear production, with marked redness and swelling of the conjunctiva. Temporary vision impairment (cloudy or blurred vision) is possible.

LONG-TERM (CHRONIC) HEALTH EFFECTS:

CARCINOGENICITY:	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.
INHALATION:	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

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	the TLV. Persons with preexisting bronchial hyperactivity can respond to concentrations below the TLV with similar symptoms as well as an asthma attack.
SKIN CONTACT:	Prolonged contact may cause an allergic skin reaction.

III. COMPOSITION/INFORMATION ON INGREDIENTS

CHEMICAL NAME	%	CAS #
Aliphatic Polyisocyanate Resin	50 - 70	Not Available
Calcium carbonate	10 - 30	471-34-1
Titanium dioxide	1 - 5	13463-67-7
ISOPHORONE DIISOCYANATE	1 - 5	4098-71-9

IV. FIRST-AID MEASURES

INHALATION:	Remove to fresh air. If breathing is difficult, have a trained individual administer oxygen. If breathing difficulty persists or occurs later, consult a physician and have MSDS available.
EYES:	In case of contact, immediately flush eyes with plenty of water for at least 15 minutes. Get medical attention immediately.
SKIN CONTACT:	Wash with soap and water. Get medical attention if irritation develops or persists.
INGESTION:	If swallowed, do not induce vomiting. Get medical attention immediately.

V. FIRE FIGHTING MEASURES

EXTINGUISHING MEDIA:	Use alcohol foam, carbon dioxide, or water spray when fighting fires involving this material.
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FIRE AND/OR EXPLOSION HAZARDS:	Material may be ignited only if preheated to temperatures above the high flash point, for example in a fire.
FIRE FIGHTING METHODS AND PROTECTION:	Do not enter fire area without proper protection including self-contained breathing apparatus and full protective equipment.
HAZARDOUS COMBUSTION PRODUCTS:	Carbon monoxide, Carbon dioxide, Nitrogen containing gases, Hydrogen cyanide, Isocyanic Acid, Isocyanates
FLASH POINT (°F/°C)	250 / 121
Autoignition Temperature (°F/°C):	851.0 / 455.0
Lower Flammable/Explosive Limit, % in air:	0.7
Upper Flammable/Explosive Limit, % in air:	21.0

VI. ACCIDENTAL RELEASE MEASURES

PERSONAL PRECAUTIONS AND EQUIPMENT:	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.
METHODS FOR CLEAN-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.

VII. HANDLING AND STORAGE

HANDLING TECHNICAL MEASURES AND PRECAUTIONS:	Overexposure may be harmful. As with all chemicals, good industrial hygiene practices should be followed when handling this material.
STORAGE TECHNICAL MEASURES AND CONDITIONS:	Store in a cool dry place. Keep container(s) closed.

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VIII. EXPOSURE CONTROLS/PERSONAL PROTECTION

ENGINEERING MEASURES:	Local exhaust ventilation or other engineering controls may be required when handling or using this product to avoid overexposure.
RESPIRATORY PROTECTION:	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 chemically resistant 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 station available.
SKIN PROTECTION:	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. Wear chemical resistant gloves.

CONTROL PARAMETERS:

Chemical Name	ACGIH TLV-TWA	ACGIH STEL	OSHA PEL-TWA
Calcium carbonate			15 mg/mg TWA total dust; 5mg/m TWA Respirable Dust
Titanium dioxide	10 mg/m TWA		15 mg/m TWA (total dust)
ISOPHORONE DIISOCYANATE	0.005 ppm (TWA)		

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IX. PHYSICAL AND CHEMICAL PROPERTIES

Color: Grey
Physical State: Liquid
Boiling Point - Low (F): 316.0
Boiling Point - High (F): 512.6
Evaporation Rate: 0.005 (n-Butyl Acetate = 1.0)
Odor: Characteristic
Vapor Density: 3.5
Vapor Pressure: 4.8
VOC (g/l) (Regulatory, Calculated): 3.04
(Actual, Calculated): 3.04
Viscosity: 105 - 115 KU
Solubility in Water: Insoluble
Octanol/Water Partition Coefficient: Not Available
Volatiles, % by Volume (Calculated): 0.4
Volatiles, % by weight (Calculated): 0.25
Density: 9.95 - 10.15 lbs./Gal.

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

STABILITY:	Stable under normal conditions.
CONDITIONS TO AVOID:	Temperatures above the high flash point of this combustible material in combination with sparks, open flames, or other sources of ignition. Contamination.
MATERIALS TO AVOID/CHEMICAL INCOMPATIBILITY:	Acids
POLYMERIZATION:	Contact with moisture, other materials that react with isocyanates or temperatures above 350 F may cause polymerization.
HAZARDOUS DECOMPOSITION PRODUCTS:	Carbon monoxide, Carbon dioxide, Nitrogen containing gases, Hydrogen cyanide, Isocyanic Acid, Isocyanates

XI. TOXICOLOGICAL INFORMATION

Component Toxicology Data:

AL-KOAT^{MR}
by
IMPERMEABILIZANTES



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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		
ISOPHORONE DIISOCYANATE	4098-71-9	Oral LD50 Rat 5490 mg/kg Dermal LD50 Rabbit 4780 mg/kg Inhalation LC50 (4h) Rat 40 mg/kg		
Carcinogens:				
Chemical Name	CAS Number	IARC	NTP	OSHA
Titanium dioxide	13463-67-7	2B		

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

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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 Isophorone diisocyanate	CAS # 4098-71-9	% 1 - 5
CERCLA Not applicable		
SARA 313 Isophorone diisocyanate	4098-71-9	1 - 5
SARA 311/312 Health (Acute): Y Health (chronic): Y Fire (Flammable):N Pressure: N Reactivity: Y		
U. S. State Regulations: California Prop 65 Chemicals Cancer Carbon Black Reproductive Not applicable	1333-86-4	0.01 - 0.1
Canadian Regulations: CEPA DSL: The components of this product ARE listed on the Canadian Domestic Substances List. WHMIS Hazard Class: D2A		

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XVI. ADDITIONAL INFORMATION

PREPARED BY:	Regulatory Department
DISCLAIMER:	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.
PRINT DATE:	November 22, 2010