

MATERIAL SAFETY DATA SHEET

7825

I. PRODUCT AND COMPANY IDENTIFICATION

PRODUCT NAME:	URETHANE 2 PART BLACK
PRODUCT CODE:	7825
DOCUMENT ID:	M7825
COMPANY:	NEOGARD® - a Division of JONES-BLAIR® Company 2728 Empire Central Dallas, TX 75235 1-214-353-1600
REVISION NUMBER:	4
PRIOR VERSION DATE:	05-19-2011
CHEMICAL FAMILY:	Urethane Coating
INTENDED USE:	Reflecting Pool Coating
EMERGENCY CONTACT:	ChemTrec Center
EMERGENCY PHONE:	1-800-424-9300
INTERNATIONAL:	703-527-3887

II. HAZARDS IDENTIFICATION

EMERGENCY OVERVIEW:	WARNING! Causes skin irritation. Causes eye irritation. Harmful if swallowed. Harmful if inhaled.
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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">• Eyes• Respiratory Tract• Lungs
MEDICAL CONDITIONS AGGRAVATED BY EXPOSURE:	<ul style="list-style-type: none">• Eye disorders.• Respiratory disorders, including but not limited to asthma and bronchitis.• Lung disease• Skin disorders.

IMMEDIATE (ACUTE) HEALTH EFFECTS BY ROUTE OF EXPOSURE:

SKIN CONTACT:	Can cause minor skin irritation.
EYE CONTACT:	Causes eye irritation.

LONG-TERM (CHRONIC) HEALTH EFFECTS:

CARCINOGENICITY:	Possible cancer hazard. Contains carbon black which may cause cancer based on animal data. (Risk of cancer depends on duration and level of exposure.)
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III. COMPOSITION/INFORMATION ON INGREDIENTS

CHEMICAL NAME	%	CAS #
Barium Sulfate	10 - 30	7727-43-7
2-ethyl-1,3-hexanediol	3 - 7	94-96-2
Fumed Silica (Particles not otherwise regulated)	1 - 5	67762-90-7

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Organic Clay	1 - 5	12141-46-7
Carbon black	0.5 - 1.5	1333-86-4

IV. FIRST-AID MEASURES

INHALATION:	Remove to fresh air. If breathing is difficult, have a trained individual administer oxygen.
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:	No hazard in normal industrial use. Do not induce vomiting. Seek medical attention if symptoms develop. Provide medical care provider with this MSDS.

V. FIRE FIGHTING MEASURES

EXTINGUISHING MEDIA:	Use alcohol foam, carbon dioxide, or water spray when fighting fires involving this material.
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. Will not burn, no special instructions available. Use methods appropriate for surrounding materials.
HAZARDOUS COMBUSTION PRODUCTS:	Sulfur containing gases
FLASH POINT (F/ C):	250 / 121
LOWER FLAMMABLE/EXPLOSIVE LIMIT, % IN AIR:	1.0

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UPPER FLAMMABLE/EXPLOSIVE LIMIT, % IN AIR:	4.5
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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:	Typically not irritating or harmful, but contact should be avoided. 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.

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. Engineering controls must be designed to meet the OSHA chemical specific standard in 29 CFR 1910.
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.

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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:	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
Barium Sulfate	10 mg/m TWA (total); 5mg/m (respirable)		15 mg/m TWA (total); 5 mg/m TWA (respirable)
Fumed Silica (Particles not otherwise regulated)			50 mppcf (15mg/m) TWA Total Dust; 15 mppcf (5mg/m) TWA Respirable fraction
Carbon black	3.5 mg/m ³ TWA		3.5 mg/m ³ TWA

IX. PHYSICAL AND CHEMICAL PROPERTIES

Color: Black
Physical State: Liquid
Boiling Point - Low (F): 487.4
Boiling Point - High (F): 512.6
Odor: Characteristic
Vapor Pressure: < 0.1 mbar
VOC (g/l) (Regulatory, Calculated): 14.76
 (Actual, Calculated): 14.76
Viscosity: 120 - 140 KU
Solubility in Water: Negligible; 0-1%
Octanol/Water Partition Coefficient: Not Available
Volatiles, % by Volume (Calculated): 2.8
Volatiles, % by weight (Calculated): 1.3
Density: 9.25 - 9.45 lbs./Gal.

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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:	Metals, Oxidizing agents, Acids
POLYMERIZATION:	Will not occur.
HAZARDOUS DECOMPOSITION PRODUCTS:	Sulfur containing gases

XI. TOXICOLOGICAL INFORMATION

Component Toxicology Data:				
Chemical Name	CAS Number	LD50/LC50		
Fumed silica	67762-90-7	Oral LD50 Rat > 1000 mg/kg		
Carcinogens:				
Chemical Name	CAS Number	IARC	NTP	OSHA
Carbon black	1333-86-4	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
Not applicable

CAS #

%

CERCLA
Not applicable

SARA 313
Not applicable

SARA 311/312

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

U. S. State Regulations:
California Prop 65 Chemicals
Cancer

Carbon Black
4-Vinylcyclohexene
1,3-Butadiene

1333-86-4
100-40-3
106-99-0

0.5 - 1.5
< 10 ppm
< 1 ppm

Reproductive

1,3-Butadiene

106-99-0

< 1 ppm

Canadian Regulations:

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

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:	May 20, 2011

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