

MATERIAL SAFETY DATA SHEET

FC7960

I. PRODUCT AND COMPANY IDENTIFICATION

PRODUCT NAME:	FAST CURE PU BASE HARDENER
PRODUCT CODE:	FC7960
DOCUMENT ID:	MFC7960
COMPANY:	NEOGARD® - a Division of JONES-BLAIR® Company 2728 Empire Central Dallas, TX 75235 1-214-353-1600
REVISION NUMBER:	1
PRIOR VERSION DATE:	None
CHEMICAL FAMILY:	Urethane Hardener
EMERGENCY CONTACT:	ChemTrec Center
EMERGENCY PHONE:	1-800-424-9300

II. HAZARDS IDENTIFICATION

EMERGENCY OVERVIEW:	WARNING! Causes skin irritation. Causes eye irritation. Vapor harmful. Harmful if swallowed.
ROUTES OF ENTRY:	<ul style="list-style-type: none">• Skin contact• Eye contact• Ingestion

IMMEDIATE (ACUTE) HEALTH EFFECTS BY ROUTE OF EXPOSURE:

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SKIN CONTACT:	Causes skin irritation.
EYE CONTACT:	Causes skin irritation.

LONG-TERM (CHRONIC) HEALTH EFFECTS:

INGESTION:	Contains a substance upon prolonged or repeated overexposure can cause serious damage to health according to a two year feeding study on animals.
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III. COMPOSITION/INFORMATION ON INGREDIENTS

CHEMICAL NAME	%	CAS #
Diethyltoluenediamine	50 - 70	68479-98-1

IV. FIRST-AID MEASURES

INHALATION:	Remove to fresh air. If breathing is difficult, have a trained individual administer oxygen. If not breathing, give artificial respiration. Get medical attention immediately.
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.
FIRE AND/OR EXPLOSION HAZARDS:	Material may be ignited only if preheated to temperatures above the high flash point, for example in a fire.

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FIRE FIGHTING METHODS AND PROTECTION:	Do not enter fire area without proper protection including self-contained breathing apparatus and full protective equipment.
FLASH POINT (F/ C):	284 / 140
AUTOIGNITION TEMPERATURE (F/ C):	788.0 / 420.0

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. This material is a water pollutant and should be prevented from contaminating soil or from entering sewage and drainage systems and bodies of water.

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.

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.

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	Follow respirator manufacturer's directions for respirator use.
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
Diethyltoluenediamine	Not applicable		Not applicable

IX. PHYSICAL AND CHEMICAL PROPERTIES

Physical State: Liquid
Boiling Point - Low: 586.0
Boiling Point - High: 586.0
Odor: Amine-Like.
Vapor Density: 6.2
Vapor Pressure: 0.01
VOC (g/l) (Regulatory, Calculated): 0.00
(Actual, Calculated): 0.0
Solubility in Water: Insoluble
Octanol/Water Partition Coefficient: Not Available
Volatiles, % by Volume (Calculated): 0.00
Volatiles, % by weight (Calculated): 0.00
Wt/Gal: 8.39 - 8.595

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.

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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.
POLYMERIZATION:	Contact with moisture, other materials that react with isocyanates or temperatures above 350 F may cause polymerization.

XI. TOXICOLOGICAL INFORMATION

Component Toxicology Data:				
Chemical Name	CAS Number	LD50/LC50		
Diethyltoluenediamine	68479-98-1	Oral LD50 Rat 738 mg/kg Dermal LD50 Rat > 2000 mg/kg		
Carcinogens:				
Chemical Name	CAS Number	IARC	NTP	OSHA
Not applicable				

XII. ECOLOGICAL INFORMATION

Toxicity data, if available, are listed below.

Overview: Components of this product are hazardous to wildlife and aquatic life.

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
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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:	Environmentally Hazardous Substance, Liquid, n.o.s. (Diethyltoluenediamine)
HAZARD CLASS:	9
UN NUMBER:	UN3082
PACKING GROUP:	III
OTHER:	Only bulk packages greater than 119 gallons (450 liters) are regulated as Marine Pollutants when shipped by highway or rail (49 CFR 171.4 (c)).

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		
CERCLA Not applicable		
SARA 313 Not applicable		
SARA 311/312 Health (Acute): Y Health (chronic): Y		

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Fire (Flammable):N Pressure: N Reactivity: N		
U. S. State Regulations: California Prop 65 Chemicals Cancer Naphthalene Reproductive Not applicable	91-20-3	0.01 - 0.1
Canadian Regulations: CEPA DSL: The components of this product ARE listed on the Canadian Domestic Substances List. WHMIS Hazard Class: B3 D2A		

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:	April 16, 2009

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