

MATERIAL SAFETY DATA SHEET

7932

I PRODUCT AND COMPANY IDENTIFICATION

PRODUCT NAME	PERMAGARD FR BASECOAT ACCELERATOR
PRODUCT CODE	7932
DOCUMENT ID	M7932
CHEMICAL FAMILY	Urethane Accelerator
REVISION NUMBER	12
PRIOR VERSION DATE	01-17-2012
COMPANY:	NEOGARD® - DIVISIÓN DE JONES-BLAIR® COMPAÑÍA 2728 Empire Central Dallas, TX 75235
INTERNATIONAL:	703-527-3887
EMERGENCY CONTACT	Chemtrec Center
EMERGENCY PHONE	1-800-424-9300

II HAZARDS IDENTIFICATION

EMERGENCY OVERVIEW	DANGER! Harmful or fatal if swallowed. Combustible liquid and vapor. Causes skin irritation. Causes eye irritation. Harmful if inhaled. Causes nose and throat irritation. Overexposure may cause central nervous system effects. Harmful or fatal if swallowed.
ROUTES OF ENTRY:	<ul style="list-style-type: none">• Skin contact

AL-KOAT^{MR}
IMPERMEABILIZANTES

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	<ul style="list-style-type: none"> • Eye contact • Inhalation • Skin absorption • Ingestion
TARGET ORGANS POTENTIALLY AFFECTED BY EXPOSURE:	<ul style="list-style-type: none"> • Central nervous system • Respiratory Tract • Eyes • Skin • Lungs • Blood • Kidneys • Liver • Spleen
MEDICAL CONDITIONS AGGRAVATED BY EXPOSURE	<ul style="list-style-type: none"> • Eye disorders. • Skin disorders. • Respiratory disorders, including but not limited to asthma and bronchitis. • Lung disease • Central Nervous System.

Immediate (Acute) Health Effects by Route of Exposure:

INHALATION IRRITATION	May cause respiratory tract irritation. Can cause severe respiratory irritation, dizziness, weakness, fatigue, nausea, headache and possible unconsciousness.
INHALATION TOXICITY	Vapor harmful. May affect the brain or nervous system causing dizziness, headache or nausea. Overexposure may cause coughing, wheezing and/or chest pain.
SKIN CONTACT	Can cause moderate skin irritation.
SKIN ABSORPTION	May be harmful if absorbed through skin.
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.

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INGESTION TOXICITY	Harmful or fatal if swallowed. Aspiration of material into the lungs can cause chemical pneumonitis which can be fatal.
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Long-Term (Chronic) Health Effects

CARCINOGENICITY	Possible cancer hazard. Contains ethylbenzene which may cause cancer based on animal data. (Risk of cancer depends on duration and level of exposure.)
INHALATION	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 ABSORPTION	Upon prolonged or repeated exposure, harmful if absorbed through the skin. May cause severe irritation and systemic damage.

III COMPOSITION/INFORMATION ON INGREDIENTS

CHEMICAL NAME	%	CAS #
Solvent naphtha (petroleum) medium aliphatic	40 - 60	64742-88-7
Stoddard solvent	10 - 30	8052-41-3
Dibutyltin dilaurate	7 - 13	77-58-7
Trimethylbenzene (mixed isomers)	1 - 5	25551-13-7
1,2,4-Trimethylbenzene	0.5 - 1.5	95-63-6
Cumene	0.1 - 1	98-82-8
Ethylbenzene	0.1 - 1	100-41-4
Toluene Diisocyanate	0.1 - 1	26471-62-5

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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. Remove contaminated clothing and launder. Get medical attention if irritation develops or persists.
INGESTION:	If swallowed, do not induce vomiting. Get medical attention immediately. Induce vomiting as a last measure. Induced vomiting may lead to aspiration of the material into the lungs potentially causing chemical pneumonitis that may be fatal.
NOTES TO DOCTOR	No additional first aid information available

V FIRE FIGHTING MEASURES

FLAMMABILITY SUMMARY	Combustible liquid and vapor
EXTINGUISHING MEDIA	Use alcohol resistant foam, carbon dioxide, dry chemical, or water spray when fighting fires. Water or foam may cause frothing if liquid is burning but it still may be a useful extinguishing agent if carefully applied to the fire. Do not direct a water stream directly into the hot burning liquid.
FIRE AND/OR EXPLOSION HAZARDS	Vapors may be ignited by sparks, flames or other sources of ignition if material is above the flash point giving rise to a fire (Class B). Vapors are heavier than air and may travel to a source of ignition and flash back. Container may explode in heat of fire. Empty containers that retain product residue (liquid, solid/sludge, or vapor) can be dangerous. Do not pressurize, cut, weld, braze, solder, drill, grind, or expose container to heat, flame, sparks, static electricity, or other sources of ignition. Any of these actions can potentially cause an explosion that may lead to injury or death.
FIRE FIGHTING METHODS AND PROTECTION	Do not enter fire area without proper protection including self-contained breathing apparatus and full protective equipment. Fight fire from a safe

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	distance and a protected location due to the potential of hazardous vapors and decomposition products. Flammable component(s) of this material may be lighter than water and burn while floating on the surface.
HAZARDOUS COMBUSTION PRODUCTS	Carbon dioxide, Carbon monoxide, Hydrocarbons, Toxic fumes, Metal fumes, Nitrogen containing gases, Tin Oxide
FLASH POINT (°F/°C)	112 / 44
AUTOIGNITION TEMPERATURE (°F/°C):	439.0 / 226.0
LOWER FLAMMABLE/EXPLOSIVE LIMIT, % IN AIR:	1.0 %
UPPER FLAMMABLE/EXPLOSIVE LIMIT, % IN AIR:	6.0 %

VI ACCIDENTAL RELEASE MEASURES

PERSONAL PRECAUTIONS AND EQUIPMENT	Exposure to the spilled material may be irritating or harmful. 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. Also consider the expertise of employees in the area responding to the spill.
METHODS FOR CLEAN-UP	Shut off ignition sources; including electrical equipment and flames. Do not allow smoking in the area. 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	Harmful or irritating material. Avoid contacting and avoid breathing the material. Use only in a well ventilated area. Use with adequate ventilation. Wash thoroughly after handling.
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STORAGE TECHNICAL MEASURES AND CONDITIONS	Store in a cool dry place. Keep container(s) closed. Keep away from sources of ignition.
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VIII EXPOSURE CONTROLS/PERSONAL PROTECTION

ENGINEERING MEASURES	Use local exhaust ventilation or other engineering controls to minimize exposure. Additional area ventilation or local exhaust may be required to maintain air concentrations below recommended exposure limits. Facilities storing or using this material should be equipped with an eyewash and safety shower.
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.
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. Wear chemical resistant gloves.

Control Parameters:

CHEMICAL NAME	ACGIH TLV-TWA	ACGIH STEL	OSHA PEL-TWA
Stoddard Solvent	100 ppm TWA; 572 mg/m ³ TWA		500 ppm TWA; 2900 mg/m ³ TWA
Dibutyltin dilaurate	0.1 mg/m ³ (skin; Tin, Organic Compounds, as Sn)	0.2 mg/m ³ (skin; Tin, Organic Compounds, as Sn)	0.1 mg/m ³ (skin; Tin, Organic Compounds, as Sn)

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1,2,4-Trimethylbenzene	25ppm; 123mg/m TWA		50 ppm TWA; 245 mg/m ³ TWA
Cumene	50 ppm TWA; 246 mg/m ³ TWA		50 ppm TWA; 245 mg/m ³ TWA
Ethylbenzene	100 ppm TWA; 434 mg/m ³ TWA	125 ppm STEL; 543 mg/m ³ STEL	100 ppm TWA; 435 mg/m ³ TWA

IX PHYSICAL AND CHEMICAL PROPERTIES

COLOR	Colorless to pale yellow
PHYSICAL STATE	LIQUID
BOILING POINT - (°F)	Low - 212 C High - 398 C
EVAPORATION RATE	0
ODOR	<u>Hydrocarbon</u>
VAPOR DENSITY	21.76 (air = 1)
VAPOR PRESSURE	2.00 MMhg@ 60 F (20 C)
VOC (G/L) (REGULATORY, CALCULATED)	701.13
VOC (G/L) (ACTUAL, CALCULATED)	701.13
SOLUBILITY IN WATER	Negligible; 0-1%
OCTANOL/WATER PARTITION COEFFICIENT	Not Available

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VOLATILES, % BY VOLUME (CALCULATED)	90.71
VOLATILES, % BY WEIGHT (CALCULATED)	87.81
DENSITY	6.56 - 6.76 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 flash point in combination with sparks, open flames, or other sources of ignition.
MATERIALS TO AVOID/CHEMICAL INCOMPATIBILITY	Oxidizing agents, Calcium Hypochlorite, Peroxides, Sunlight
POLYMERIZATION	Will not occur.
HAZARDOUS DECOMPOSITION PRODUCTS	Carbon dioxide, Carbon monoxide, Hydrocarbons, Reaction with peroxides may result in violent decomposition.

XI TOXICOLOGICAL INFORMATION

Component Toxicology Data

Chemical Name	CAS Number	LD50/LC50
Stoddard solvent	8052-41-3	Oral LD50 Rat > 5 g/kg Inhalation LC50 Rat > 6 mg/L

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Stoddard Solvent	8052-41-3	Oral LD50 Rat > 5 g/kg Inhalation LC50 Rat > 6 mg/L
Dibutyltin dilaurate	77-58-7	Oral LD50 Rat > 2000 mg/kg Dermal LD50 Rabbit > 2000 mg/kg
1,2,4-Trimethylbenzene	95-63-6	Oral LD50 Rat 5 g/kg Inhalation LC50 (18h) Rat 18 G/M3
Cumene	98-82-8	Oral LD50 Rat 1400 mg/kg Dermal LD50 Rabbit 3 g/kg Inhalation LC50 (4h) Rat 8000 ppm
Ethylbenzene	100-41-4	Oral LD50 Rat 3500 mg/kg Dermal LD50 Rabbit 5510 mg/kg Inhalation LC50 (4h) Rat 17 mg/L

Carcinogens

Chemical Name	CAS Number	IARC	NTP	OSHA
Cumene	98-82-8	2B		
Ethylbenzene	100-41-4	2B		

XII ECOLOGICAL INFORMATION

Toxicity data, if available, are listed below

OVERVIEW	No data available
MOBILITY	No data available

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.
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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 Related Material
Hazard Class	3
UN Number	UN1263
Packing Group	III
Other: This product qualifies for a limited quantity exception per CFR173.150(b)(3) for inner containers <= 1.3 gallons (5L) and total gross package wt <= 66 lbs (30kg).	
IATA Air Shipping Name:	Paint Related Material
IATA Hazard Class:	3
IATA UN Number:	UN1263
IATA Packing Group:	III
Marine Pollutant: NO	

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.

	CAS #	%
SARA EHS Chemicals Not applicable		

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CERCLA Cumene Ethyl Benzene	98-82-8 100-41-4	0.1 - 1 0.1 - 1
SARA 313 1,2,4-Trimethylbenzene Cumene Ethylbenzene	95-63-6 98-82-8 100-41-4	0.5 - 1.5 0.1 - 1 0.1 - 1
SARA 311/312 Health (Acute): Y Health (chronic): Y Fire (Flammable): Y Pressure: N Reactivity: Y		

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

CANCER	CAS #	%
Naphthalene	91-20-3	0.1 - 1
Cumene	98-82-8	0.1 - 1
Ethyl Benzene	100-41-4	0.1 - 1
REPRODUCTIVE		
Not applicable		

Canadian Regulations:

CEPA DSL	The components of this product ARE listed on the Canadian Domestic Substances List.
WHMIS HAZARD CLASS	B3 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	June 11, 2014