

SECTION 1 – PRODUCT IDENTIFICATION AND USE				
Material Denso Protal 7200 “B”				
TDG Classification Amines, Liquid, Corrosive, N.O.S.(1,3, Cyclohexanedimethanamine) UN2735, Class 8, PGIII				
Manufacturer's Name Denso North America Inc.		Supplier's Name Denso North America Inc.		
Street Address 90 Ironside Crescent, Unit 12		Street Address 90 Ironside Crescent, Unit 12		
City Toronto	Province/Country Ontario	City Toronto	Province/Country Ontario	
Postal Code M1X 1M3	Emergency Telephone No. (613) 996-6666	Postal Code M1X 1M3	Emergency Telephone # (613) 996-6666	
Product Class Amine	Chemical Family Not Available	Manufacturer's Code 6140024H		
WHMIS Classification Class D, Division 2, Sub.A Class E	Trade Name & Synonyms Denso Protal 7200 “B”	Material Use On-site liquid coating for metal pipes.		
SECTION 2 – HAZARDOUS INGREDIENTS				
Ingredients	%	CAS Number	LD50 of Material (Specific Species & Route)	LC50 of Material (Specific Species)
AMINE AND EPOXY RESIN COPOLYMER	60-100	N/A	N/A	N/A = Not Available
NONYL PHENOL	5-10	251454-52-3	Oral> 580mg/kg Rat	N/A
BISPHENOL “A”	3-7	80-05-7	Oral> 4100mg/kg Rat	N/A
SALICYLIC ACID	3-7	69-72-7	Oral> 891mg/kg Rat	N/A
SECTION 3 – PHYSICAL DATA				
Physical State Gas <input type="checkbox"/> Liquid <input checked="" type="checkbox"/> Solid <input type="checkbox"/>		Odour and Appearance Amine Odour, Green Colour		Odour Threshold (PPM) Not Available
Vapour Pressure (mm Hg) Not Available	Vapour Density (air = 1) Not Available	Evaporation Rate Not Available	Boiling Point (° C) Not Available	Freezing Point (° C) Not Available
% Volatile (by volume) 0.00	Solubility in Water (20° C) Slight	pH Not Available	Specific Gravity 1.1	Coeff Water/Oil Dist Not Available
SECTION 4 – FIRE AND EXPLOSION DATA				
Flammability Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> If Yes, Under What Conditions?				
Means of Extinction Foam, dry chemical products, CO2, water hose				
Special Procedures Firefighters must wear usual protective clothing and respiratory equipment. A water hose may be used to cool the containers and dissipate the vapours.				
Flashpoint (° C) and Method 95°C Setflash Closed Cup	Upper Explosion Limit (% by volume) Not Available		Lower Explosion Limit (% by volume) Not Available	
Auto Ignition Temperature (° C) Not Available	TDG Flammability Classification Not Applicable		Hazardous Combustion Products CO, CO2, Nitrogen Oxides	
Sensitivity to Mechanical Impact Not Applicable	Rate of Burning Not Applicable	Explosive Power Not Applicable	Sensitivity to Static Discharge Not Applicable	

SECTION 5 – REACTIVITY DATA			
Chemical Stability Yes <input checked="" type="checkbox"/> No <input type="checkbox"/>		If No, Under What Conditions?	
Hazardous Polymerization Yes <input type="checkbox"/> No <input checked="" type="checkbox"/>		Will Not Occur	
Reactivity, and Under What Conditions?		Acid, strong oxidizer, organic halogen, aldehyde, ketone, acrylate.	
Hazardous Decomposition Products		Carbon oxides, nitrogen oxides	
SECTION 6 – TOXICOLOGICAL PROPERTIES			
Route of Entry Skin Contact <input checked="" type="checkbox"/> Skin Absorption <input checked="" type="checkbox"/> Eye Contact <input checked="" type="checkbox"/> Inhalation Acute <input checked="" type="checkbox"/> Inhalation Chronic <input type="checkbox"/> Ingestion <input checked="" type="checkbox"/>			
Effects of Acute Exposure to Material May cause eye irritations, severe eye burns and blindness. May be irritating to the skin, may cause severe burns and can be absorbed by the skin. Breathing vapours or mist of this product may cause irritation. Ingestion may cause severe burns to the mouth throat and stomach. May cause nausea, vomiting, dizziness, diarrhea, damages to the lungs and death.			
Effects of Chronic Exposure to Material Some Individuals may become Sensitized to the Material over Time. (See Below)			
LD50 of Material Specify Species and Route Not Available	LC50 of Material Specify Species Not Available	Teratogenicity of Material Not Applicable	Mutagenicity of Material Not Applicable
Sensitization Capability of Material Skin and Respiratory	Carcinogenicity of Material Not Applicable	Reproductive Toxicity of Material Not Applicable	Synergistic Materials None Known
Exposure Limits of Material (TLV) Not Available			
SECTION 7 – PREVENTATIVE MEASURES			
Personal Protective Equipment			
Gloves (Specify) Chemical resistant gloves	Respiratory (Specify) NIOSH/MSHA approved air purifying organic vapor mask.	Eye (Specify) Full face mask or safety glasses.	
Footwear (Specify) Leather	Clothing (Specify) Rubber apron	Other (Specify) Eye wash station, shower	
Others			
Ventilation Sufficient ventilation required.			
Leak and Spill Procedure Absorb with sand or other absorbent material.			
Waste Disposal Dispose of sand and rinse with water according to municipal, provincial or federal laws for disposal of chemicals.			
Handling Procedure and Equipment Avoid skin, eye and clothing contact.			
Storage Requirements Keep all containers closed in a cool, dry and well ventilated area. Keep away from heat and open flame.			
Special Shipping Information See TDG classification			

SECTION 8 – FIRST AID MEASURES

EYE CONTACT: Rinse eyes immediately with plenty of water for several minutes, while holding eyelids wide open to ensure proper wash.

SKIN CONTACT: Remove contaminated clothing and shoes. Wash immediately with plenty of soap and water. Throw away shoes that were soiled on the inside. Wash clothing before re-wearing. Consult a physician if necessary.

INHALATION: In the case of overexposure, evacuate to fresh air. Consult a physician if required.

INGESTION: Drink plenty of water. Do not induce vomiting. Do not give anything by mouth to an unconscious person. See a physician immediately.

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SECTION 9 – PREPARATION OF THE MSDS

Prepared by (Group, Department, etc.) Denso North America Inc.	Phone Number (416) 291-3435	Date July 22 nd , 2013
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