# DENSO NORTH AMERICA INC.

	SEC	TION 1 – F	RODUCT IDE	NTIFIC	ATION AN	ID USE		
Material				TDG Clas	sification			
	" <b>B"</b> Am	ines, Liquid	, Corrosive, N.O	.S.(N-Ar	ninoethylpi	oerazine	) UN2735, Class 8, PGII	
Manufacturer's Name				Supplier	's Name			
Denso North America Inc.					Denso North America Inc.			
Street Address					Street Address			
90 Ironside Cresce	nt, Unit 1			90 Ironside Crescent, Unit 12				
City		Province/Country		City			Province/Country	
Toronto		Ontario	<del></del>	Toronto			Ontario	
Postal Code			Telephone No.	Postal Code M1X 1M3			Emergency Telephone # (613) 996-6666	
M1X 1M3 Product Class		(613) 996	-0000   IVI I A		Manufacturer's Coo			
Amine		Chemical Family Not Available		2072-3191			16	
AMINE WHMIS Classification		Trade Name & Synonyms		Material Use				
Class D, Division 2, Sub.A		Denso Protal 7200 "B"		On-site Liquid Coating for Metal Pi			Coating for Metal Pipe	
Class E, Division 2, Sub.A		501130 1 10tal 7200 B		on one significantly for motor i poe				
		SECTION	2 – HAZARDO	OUS INC	REDIEN	ГS		
Ingredients		% CAS Number		LD50 of Material		LC50 of Material		
				(Specific	(Specific Species & Route)		(Specific Species)	
N-Aminoethylpipera	zine	40-70	140-31-8		Oral> 2150mg/kg Rat		N/A = Not Available	
Epoxy Novolac Resin		10-30	28064-14-4	Oral> 4	Oral> 4000mg/kg Rabbit		N/A	
Nonyl Phenol		10-30	25154-52-3	Oral> 580mg/kg Rat		Rat	N/A	
Bisphenol "A"		3-7	60-05-7	Oral> 4100mg/kg Rat		g Rat	N/A	
Yellow Lead Chromate		3-7	1344-37-2	Oral> 2000mg/kg Rat			N/A	
Pigment					J	•		
Amino Silane		3-7	1760-24-3	N/A			N/A	
Salicylic Acid		3-7	59-72-7	Oral> 891mg/kg Rat		Rat	N/A	
Fumed Silica		3-7	67762-90-7	Oral> 5mg/kg Rat		N/A		
Phthalocyanine Tinter		1-5	147-14-7	N/A			N/A	
1		-						
			MANUAL TO .					
		SEC	CTION 3 – PHY	SICAL	DATA			
Physical State		Odour and	Appearance	pearance Odour Threshold			PPM)	
Gas ☐ Liquid ☒ Solid ☐		Ammoniacal Odour, Greei		Liquid Not Available		,		
Vapour Pressure (mm Hg)		nsity (air = 1) Evaporation Rate		Boiling Point (° C)		,	Freezing Point (° C)	
Not Available Not Av		ailable Not Availab		e Not Available		ble	Not Available	
% Volatile (by volume)	Solubility in	Water (20° C) pH Not Available			Specific Gravity		Coeff Water/Oil Dist	
0.00	Slight			e 1.08			Not Available	
		SECTION	4 – FIRE AND	EXPLO	SION DA	TA		
Flammability		If Yes, Und	er What Condition	s?				
Yes 🗌 No 🛛								
Means of Extinction			Sich and a second					
Water Spray, Water Special Procedures	er Fog, Fo	oam, Dry C	hemical, Foan	<u> </u>				
Flashpoint (° C) and Method		Upper Explosion Limit (% by volum						
95°C Setaflash Closed Cup			Not Available			Not Available		
Auto Ignition Temperature (° C)			nability Classificati	on				
Not Available		Not Applicable				olics, Oxides of Nitroger		
Sensitivity to Mechanical Impact		Rate of Bu	rning	Explosi	Explosive Power Sensitivity to Static Discharge			
Not Applicable		Not Applicable		Not Applicable		ļ	Not Applicable	

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SECTION 5 – REACTIVITY DATA								
Chemical Stability If No, Under What Conditions?								
Yes ⊠ No ☐ Hazardous Polymerization								
Yes No Will Not Occur								
Reactivity, and Under What Conditions?  Not Applicable								
Hazardous Decomposition Products								
Not Available								
SECTION 6 – TOXICOLOGICAL PROPERTIES								
Route of Entry Skin Contact 🛛 Skin Absorption 🖾 Eye Contact 🖾 Inhalation Acute 🖾 Inhalation Chronic 🗌 Ingestion 🖾								
Effects of Acute Exposure to Material								
Contact of Material with I								
Irritation and Burns, Ingestion may Lead to Gastrointestinal Irritation or Ulceration, Inhalation may								
Result in Respiratory Tra		on and Burns.						
Effects of Chronic Exposure to Material Some Individuals may become Sensitized to the Material over Time. (See Below)								
LD50 of Material	LC50 of M		Teratogenicity		Mutagenicity of Material			
Specify Species and Route	Specify S		reratogenicity	oi Materiai	i wutagenicity or wateriar			
Not Available		ot Available	Not App	licable	Not Applicable			
Sensitization Capability of Material	Carcinogenicity of Material		Reproductive Toxicity of Material		Synergistic Materials			
Skin and Respiratory	No	ot Applicable	Not App	licable	None Known			
Exposure Limits of Material (TLV)								
Phthalocyanine Tinter -	TWA 10p	pm (ACGIH)						
SECTION 7 – PREVENTATIVE MEASURES								
Personal Protective Equipment								
Wear Clean Long Sleeve	ed, Body	Covering Clothing,	Use Impervio	us Gloves a	nd Protective Clothing.			
Use Goggles and Full Face Shield. When Respiratory Protection is Required, Use an Approved Air								
Purifying Respirator. (Se	e Below)							
Gloves (Specify)		Respiratory (Specify) Approved Air Purifyin	a Doopirator	Eye (Specify)				
Impervious Type		(Organic Vapour Car		Chemical Goggles				
(Neoprene, PVC, Butyl)     (Organic Vapour Cartridge)       Footwear (Specify)     Clothing (Specify)     Other (Specify)					W			
Work Boots		Clean Long Sleeve	d Body	Full Face Shield				
	Covering (Overalls, Tyvek Suit)							
Engineering Controls (Specify e.g. Ventilation Enclosed Process)								
Provide General Dilution of Local Exhaust in Volume and Pattern to Keep TLV of Hazardous								
Ingredients in Section 6 Below Acceptable Limits.								
Leak and Spill Procedure								
Remove All Sources of Ignition, Provide Adequate Ventilation. Avoid Prolonged Breathing of								
Vapours. Remove to a Container or Absorb with Clay, Diatomacious Earth or Other Inert Absorbent.								
Waste Disposal **DO NOT INCINERATE CLOSED CONTAINERS**								
Incineration or Landfill in an Approved Site in Accordance with Local and Federal Regulations.  Handling Procedure and Equipment								
Avoid Inhalation, Skin and Eye Contact. Practice Good Personal Hygiene. Wash Repeatedly with								
Soap and Water After Use and Before Work Breaks.								
Storage Requirements								
Keep Containers Closed and in a Cool Dry Place.								
Special Shipping Information								
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#### **SECTION 8 - FIRST AID MEASURES**

EYE CONTACT – Flush Thoroughly with Water for at Least 15 Minutes.

Get Immediate Medical Attention.

SKIN CONTACT – Wash the Exposed Areas with Soap and Water.

Call a Physician if Irritation Persists.

INHALATION - Remove to Fresh Air. If Breathing is Difficult Administer Oxygen.

INGESTION – Do Not Induce Vomiting. Administer Large Amounts of Milk or Water if Available.

Transport to a Medical Facility.

Sources Used

H & S Data from Raw Material Suppliers.

Additional Information

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SECTION 9 – PREPARATION OF THE MSDS							
Prepared by (Group, Department, etc.)	Phone Number	Date					
Denso North America Inc.	(416) 291-3435	January 1, 2005					