
SAFETY DATA SHEET

NORMAC ADHESIVE PRODUCTS INC.

NR-906 PART "B"

Section 1 – CHEMICAL PRODUCT AND COMPANY IDENTIFICATION

Products Name: NR-906 Part "B"
Chemical Family: Polyurethane Curative.
Chemical Name: Di(methylthio)toluenediamine [DMTDA]
Applications: Polyurethane prepolymer curative.

Supplier's Name: Normac Adhesive Products Inc.
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Prepared by: Regulatory Affairs Group of Normac Adhesive Products Inc.
Preparation Date of SDS: October 27, 2015
24 Hour Emergency Telephone Number (Canutec): (613) 996-6666

Section 2 – HAZARD(S) IDENTIFICATION

WHMIS Hazardous Class: D2A VERY TOXIC MATERIALS causing other effects.

NFPA RATINGS: HEALTH 2; FLAMMABILITY 1; INSTABILITY: 0
HMIS RATINGS: HEALTH 2; FLAMMABILITY 1; INSTABILITY: 0

GHS Classification

Acute Tox. (Category 4) (oral)
Skin irritation (Category 3)
Eye irritation (Category 2A)
Skin Sens. (Category 1) Skin sensitization
Aquatic Acute (Category 1) Hazardous to the aquatic environment - acute
Aquatic Chronic (Category 1) Hazardous to the aquatic environment – chronic

Signal word: WARNING

Hazard statement(s)

H316 Causes mild skin irritation.
H319 Causes serious eye irritation.
H302 Harmful if swallowed.
H317 May cause an allergic skin reaction.
H400 Very toxic to aquatic life.
H410 Very toxic to aquatic life with long lasting effects.

Precautionary prevention statement(s)

P280 Wear protective gloves.
P273 Avoid release to the environment.
P261 Avoid breathing dust/fume/gas/mist/vapours/spray.
P272 Contaminated work clothing should not be allowed out of the workplace.
P270 Do not eat, drink or smoke when using this product.
P264 Wash with plenty of water and soap thoroughly after handling.

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Precautionary response statement(s)

P333 + P311 If skin irritation or rash occurs: Call a POISON CENTER or doctor/physician.

P303 + P352 IF ON SKIN (on hair): Wash with plenty of soap and water.

P305 + P351 + P338 IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.

P301 + P330 IF SWALLOWED: rinse mouth.

P391 Collect spillage.

P362 + P364 Take off contaminated clothing and wash before reuse.

Precautionary storage statement(s)

Store in a well-ventilated place. Keep container tightly closed. Store locked up.

Precautionary disposal statement(s)

Dispose of contents and container in accordance with US EPA guidelines for the classification and determination of hazardous waste listed in 40 CFR 261.3. (See Section 13)

Hazards not otherwise classified: [HNOC]

No specific dangers known, if the regulations/notes for storage and handling are considered.

GHS Labeling

Pictograms



Potential Health Effects

Inhalation May be harmful if inhaled. Causes respiratory tract irritation.

Skin May be harmful if absorbed through skin. Causes skin irritation.

Eyes Causes eye irritation.

Ingestion May be harmful if swallowed.

Section 3- COMPOSITION / INFORMATION ON INGREDIENTS

	Cas No.	Percentage* (W/W)	LD50 and LC50	Route & Species
Di(methylthio)toluenediamine [DMTDA]	106264-79-3	65 - 85	N.A.	N.A.
Glycol Ether DE Acetate	112-15-2	15 - 35	N.A.	N.A.

**Exact percentages are withheld as a trade secret however the health and environmental hazard effects stated in this SDS describe the effects of the highest concentration of each ingredient; in compliance with (ST/SG/AC.10/30/Rev.6) and (29 CFR 1910.1200).*

Section 4 - FIRST AID MEASURES

Eye Contact: Flush eyes immediately with water for at least 20 minutes. Hold eyelids open during flushing. Obtain medical attention immediately.

Skin Contact: Remove contaminated clothing. Wipe excess material from the skin. Wash skin with soap and water. Obtain medical attention if irritation persists.

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Inhalation:	Move victim to fresh air. Give artificial respiration ONLY if breathing has stopped. Give cardiopulmonary resuscitation (CPR) if there is no breathing AND no pulse. Obtain medical attention immediately.
Ingestion:	If victim is alert and fully conscious, give 2 glasses of water and induce vomiting. Never give anything by mouth if victim is unconscious or convulsing. Obtain medical attention immediately.
Note to Physicians:	Symptoms: unconsciousness.
Routes of Entry:	Eyes, skin, ingestion, inhalation.

Section 5 – FIRE FIGHTING MEASURES

Flash Point:	> 176 °C
Flash Point Method:	Closed Cup.
Auto Ignition Temp:	Not available.
Flammable Limits in air (%):	Not available.
Extinguishing Media:	Use water spray, foam, dry chemicals or carbon dioxide (CO ₂).
Hazardous Decomposition/ Combustion Materials:	Thermal decomposition products are toxic and may include oxides of carbon, nitrogen and sulphur.
Special Protective Equipment:	Wear protective clothing and self-contained breathing apparatus.
Unusual Fire/Explosion Hazard:	None.

NFPA RATINGS: HEALTH 2; FLAMMABILITY 1; INSTABILITY: 0

HMIS RATINGS: HEALTH 2; FLAMMABILITY 1; INSTABILITY: 0

Section 6 – ACCIDENTAL RELEASE MEASURES

Personal Precautionary Measures:	Wear appropriate protective equipment. Wear appropriate respiratory protection.
Environmental Precautionary Measures:	Prevent entry into sewers or streams, dike if needed. Prevent contamination of soil. Consult Local authorities.
Procedure for Clean-Up:	Isolate hazard area and restrict access. Stop the leak if it can be done without risk. Prevent contamination of waterways. Absorb with an inert dry material and place in an appropriate waste disposal container. Large spills, dike and pump into suitable containers. Clean up all residual with absorbent material. Place in appropriate container. Notify applicable government authority if release is reportable or could adversely affect the environment. Ventilate the area thoroughly.

Section 7 – HANDLING AND STORAGE

Handling:	For industrial use only. Use only with adequate ventilation. Handle and open containers with care. Avoid contact with eyes, skin and clothing. Do not ingest. Keep the containers closed when not in use. Protect against physical damage. Use appropriate personal protective equipment. Use normal "good" industrial hygiene and housekeeping practices.
Storage:	Store in a cool, dry, well ventilated area. Keep containers tightly closed. Do not store in open containers. Store under nitrogen.

Section 8 – EXPOSURE CONTROLS / PERSONAL PROTECTION

Engineering Controls:	Local exhaust ventilation is required to maintain exposure to within applicable limits. Make up air should be supplied to balance air that is removed by local or general exhaust ventilation.
Respiratory Protection:	If exposure exceeds occupational exposure limits, use an appropriate NIOSH approved respirator. In case of spill or leak resulting in unknown concentration, use a NIOSH approved supplied air respirator.
Gloves:	Impervious chemical resistant gloves.
Skin Protection:	Skin contact should be prevented through the use of suitable protective clothing, gloves and footwear, selected for conditions of use and exposure potential.
Eyes:	Chemical goggles; also wear a face shield if splashing hazard exists.
Other Personal Protective Data:	Ensure that eyewash stations and safety showers are proximal to the work station location.

Section 9 – PHYSICAL AND CHEMICAL PROPERTIES

Physical State:	Viscous liquid.
Colour:	Light to dark amber liquid – may be tinted
Specific Gravity:	1.2 g/cc @ 20°C
Boiling Point:	Not applicable, decomposes.
Melting/Freezing Point:	Not available
Vapour Pressure:	Not available
Vapour Density (air = 1)	Not available
Volatile Organic Compounds:	No data available
Odour:	Sweet, amine odour.
Odour Threshold:	Not available
Evaporation Rate:	Low

Section 10 – STABILITY AND REACTIVITY

Chemical Stability:	Stable under normal conditions.
Hazardous Polymerization:	Will not occur.
Conditions to Avoid:	Moisture and heat.
Materials to Avoid:	Strong acids, bases, strong oxidizing agents, water.
Hazardous combustion Products:	Oxides of carbon, nitrogen and sulphur.

Section 11 – TOXICOLOGICAL INFORMATION

Toxicological Data:	DMTDA	Glycol Ether DE Acetate
Oral LD50:	> 1,515 mg/kg (Rat)	3,930 mg/kg
Dermal LD50:	> 2,000 mg/kg (Rabbit)	15,000 mg/kg

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Inhalation LC50:	Not available	Not known
Skin Contact:	Non-Irritating (Rabbit)	May be mildly irritating
Eye Contact:	Non-Irritating (Rabbit)	Not known
Sensitization:	Positive (guinea pig)	
Carcinogenicity:	IARC None indicated ACGIH None indicated	None indicated None indicated
Mutagenicity:	Positive	Not found

Section 12 - ECOLOGICAL INFORMATION

Ecotoxicological Information:	Ecotoxicity – Fish Species Data	Acute Invertebrates Toxicity:	Ecotoxicity Freshwater Algae
DMTDA	LC50 (Rainbow Trout) 16.9 mg/L	LC50 (Water flea) 0.9 mg/L	Not Available
Glycol Ether DE Acetate	This product cannot accumulate in living tissue, rapidly biodegradable in the presence of oxygen. Estimated half-life in air is 13 hours.		
Biodegradability (DMTDA):	DMTDA is not biodegradable.		

Section 13 – DISPOSAL CONSIDERATIONS

Disposal of Waste Method:	Disposal of all wastes must be done in accordance with local, state/provincial and federal regulations.
Contaminated Packaging:	Empty containers should be recycled or disposed of through an approved waste management facility.

Section 14 – TRANSPORT INFORMATION

TDG (Ground Transport):	This product is Not Regulated.		
IATA (Air Shipments):			
IMDG (Marine Shipments):	ENVIRONMENTALLY HAZARDOUS	SUBSTANCE,	LIQUID,
N.O.S.			
Technical Description:	(di-(Methylthio)Toluenediamine)		
Class:	9		
UN ID:	UN 3082		
Packing Group:	III		
Special Note/Marking:	MARINE POLLUTANT		

Section 15 – REGULATORY INFORMATION

U.S. TSCA Inventory Status:	All compounds of this product are either on the Toxic Substances Control Act (TSCA) Inventory List or exempt.
Canadian DSL Inventory Status:	All compounds of this product are either on the Domestic Substances List (DSL); the Non- Domestic Substances List (NDSL) or exempt.
Note:	Not available.

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<u>US Regulatory Rules</u>	CECLA/SARA Section 302:	SARA (311, 312) Hazard Class:	CERCLA/SARA Section 313:
NR-906 components:	Not Listed	Listed	Listed
California Proposition 65:	Listed.		
MA Right to Know List:	Listed.		
New Jersey Right-to-know List:	Listed.		
Pennsylvania Right to Know List:	Listed.		
WHMIS Hazardous Class:	D2A VERY TOXIC MATERIALS causing other effects.		
NFPA RATINGS:	HEALTH 2; FLAMMABILITY 1; INSTABILITY: 0		
HMIS RATINGS:	HEALTH 2; FLAMMABILITY 1; INSTABILITY: 0		

Section 16 – OTHER INFORMATION

All employees or contractors etc. who use this product must have access to this Safety Data Sheet.

This information is furnished without warranty, representation, inducement or licence of any kind, except that it is accurate to the best of Normac Adhesive Products Inc. knowledge or is obtained from sources believed by Normac Adhesive Products Inc. to be accurate. Normac Adhesive Products Inc. makes no representations and assumes no liability for any direct, incidental or consequential damages resulting from its use or reliance on same. Customers are encouraged to conduct their own tests.

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Replaces MSDS dated Dec 01, 2014.
PREPARED BY: Regulatory Affairs Group

END OF SDS

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