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MATERIAL SAFETY DATA SHEET

Issue Date: 12/05/2005

Revised:

Product Name: Armadillo HP 1:1 POLY
Product Type: Polyol Resin Blend
Contact: CHEMTREC 1-800-424-9300 (24 hours)

NFPA: Health - 2, Flammability - 0, Reactivity - 0, Other - None
HMIS: Health - 2, Flammability - 0, Reactivity - 0, Other - None

2. Composition/Information on Ingredients

Description: Mixture of the substances listed below with non-hazardous additives.
Chemical Name:

<u>CAS No.</u>	<u>% Content</u>	<u>Exposure Limit</u>	
Diethyltoluenediamine (DETDA)	68479-98-1	5 to 25	Not determined

3. Hazards Identification

Hazard Description:

Eye -

May cause mild irritation. Vapors slightly uncomfortable. Symptoms include stinging, tearing, and redness.

Skin -

May cause mild skin irritation. Symptoms include redness and swelling of skin.

Ingestion -

Moderately toxic. May cause abdominal cramps, nausea, swelling.

Inhalation -

May cause nausea and respiratory tract irritation. May cause respiratory sensitization in susceptible individuals.

Acute Health Hazards -

Acute ingestion causes burning of the mouth, throat, and stomach with abdominal pain. Acute inhalation of vapors and mist can cause nasal discharge and pain in the eyes.

Chronic Health Hazards -

If misted or at high concentrations, may cause pallor, nausea, anesthetic or narcotic effects.

4. First Aid Measures

Inhalation:

Move affected individual to fresh air, administer oxygen and artificial respiration if necessary. Seek medical attention if problems persist.

Eye Contact:

Flush eyes with water for at least 20 minutes while holding eyelids open. Seek medical attention.

Skin Contact:

Remove contaminated clothes immediately, and wash skin thoroughly with soap and warm water. Seek medical attention if irritation or sensitization develops or persists.

Ingestion:

Product is not intended to be ingested or eaten. If this product is ingested, severe irritation of the gastrointestinal tract may occur, and should be treated symptomatically. Do not induce vomiting. Seek medical attention.

5. Fire Fighting Measures

General fire hazards:

Down-wind personnel must be evacuated. Dense smoke is emitted when product is burned without sufficient oxygen. When using water spray, boil-over may occur when product temperature reaches the boiling point of water.

Special hazards in fire:

In case of fire, formation of carbon monoxide, carbon dioxide, and nitrogen oxide is possible.

Extinguishing media:

Carbon dioxide, dry powder, foam and water fog.

Required special protective equipment for fire-fighters: Fire fighters should wear full-face, self-contained breathing apparatus and impervious protective clothing. Fire fighters should avoid inhaling and combustion products.

6. Accidental release measures

Personal precautions:

Wear full protective clothing and respiratory protection as required to maintain exposures during clean-up below the applicable exposure limits.

Environmental precautions:

Do not discharge or allow spillage to enter into drains. Dam remainders with sand, earth, or other suitable absorbent. Inform respective authorities in case of seepage into water course or sewage system.

Clean-up procedures:

Dispose of spilled material in accordance with federal, state, and local regulations in permitted hazardous waste management facility. Incineration is the preferred method of disposal. Empty containers must be handled with care due to product residue. Do not flush with water or aqueous cleansing agents.

7. Handling and storage

Handling: Open and handle receptacle with care.

Storage :Store in a cool location away from direct heat. Keep containers or receptacles tightly sealed.

8. Exposure controls/ Personal protection

Exposure Limits(TWA)

Diethyltoluenediamine (DETDA)

ACGIH(TLV)

Not determined by OSHA/ ACGIH

OSHA(PEL)

Personal protection equipment:

General: Wear suitable protective clothing, protective gloves and protective goggles/ mask.

Respiratory protection: NIOSH approved organic vapor respirator when exposed to heated material.

Hand protection: Use impervious gloves, either polychloroprene or other rubber types.

Eyes protection:Chemical goggles or full face shields are recommended. An eyewash station and safety -shower should be available in the work area. Contact lenses should not be worn when working with this product.

Skin protection: Wear gloves and working clothes. Depending on operation, chemical resistant boots, overshoes, and apron may be required.

Ventilation: If vapor or mist is generated during processing or use, local exhaust ventilation is recommended.

9. Physical and chemical properties

Physical form:	Liquid
Color:	opaque, yellow
Odor:	pungent amine
Boiling point:	308°C/ 586°F
Flash point:	>135°C/ 275°F
Density:	1.01 @ 68°F
Solubility in water:	1.0 wt. % @ 68°F
pH:	Not determined
Ignition temperature:	Product in not self-igniting.
Danger of explosion:	Product is not explosive.
Flammable limits:	Not established
Organic Solvents:	None
Vapor Pressure:	0.97 mm Hg @ 259°F

10. Stability and reactivity

Thermal decomposition/ conditions to be avoided:

Avoid excessive heat, open flame, sparks, and strong oxidizing agents. Protect from atmospheric moisture.

Hazardous decomposition products: Carbon dioxide, carbon monoxide, nitrogen oxides.

Stability: Stable

11. Toxicological information

Skin:	Expected to be harmful
Eye:	Expected to be harmful
Sensitization:	Not a sensitizer.

12. Ecological information

General Notes: Store in well ventilated, cool, dry are. Purge with nitrogen and close container when not in use.

13. Disposal considerations

The product remnants are classified as chemical waste. Dispose of waste according to Local, State Federal, and Provincial Environmental Regulations. Non-Regulated.

14. Transportation information

DOT Regulations –
Hazard Class: Non-regulated Material
Identification Number: Non-regulated Material
Packing Group: Non-regulated Material

Land transport ADR/ RID (cross-border):

Transport class: -NA
Risk code: -NA
Name according to bill for freight: -Non-Regulated Material
ADR/ RID class: -Non-regulated Material
UN-Number: -Non-regulated Material

Marine transport IMDG:

Marine pollutant: -No

15. Regulation information

Federal Regulations:

TSCA (Toxic Substance Control Act):

All components of this product are on the TSCA Inventory or are exempt from TSCA Inventory requirements

SARA 355 Components (extremely hazardous components):

None of the ingredients listed.

SARA 313 Components – 40 CFR 372.65:

Section 311/ 312 Component	CAS#	Percentage
Diethyltoluenediamine (DETDA)	68479-98-15 to 25%	

OSHA-Ca (Occupational Safety & Health Administration):

None of the ingredients listed.

EPA (Environmental Protection Agency):

Component	CAS#	Percentage
Diethyltoluenediamine (DETDA)	68479-98-15 to 25%	

California Proposition 65:

The following statement is made in order to comply with the California Safe Drinking Water and Toxic Enforcement Act of 1986: This product contains the following substances known to the State of California to cause cancer: **NONE**

(DSL) Canada Domestic Substance List:

All components of this product are on the DSL list or are exempt from DSL requirements.

New Jersey Right to Know Label Information

None

Pennsylvania Right to Know Label Information

None

The information herein is presented in good faith and believed to be accurate as of the effective date given. However, no warranty, expressed or implied, is given. It is the buyer's responsibility to ensure that its activities comply with Federal, State, Provincial, and Local laws.