

MATERIAL SAFETY DATA SHEET



Date Prepared: 02/18/09

FOR ALL TRANSPORTATION ACCIDENTS, CALL CHEMTREC(R)	1-800-424-9300; 1-703-527-3887 (Int.)
FOR ALL OTHER EMERGENCIES, CALL	1-800-215-1618
FOR ALL MSDS QUESTIONS & REQUESTS CALL	1-513-793-7766

HYDROSIZE PE1-01 PE101

2. COMPOSITION/INFORMATION ON INGREDIENTS

Michelman formulas are confidential and proprietary. All formula components that are hazardous under the OSHA Hazard Communication Standard are listed below.

Chemical Name	CAS #	PERCENT
Dimethylaminoethanol	108-01-0	1 - 5

3. HAZARDS IDENTIFICATION

HMIS Ratings: Health: 1 Flammability: 0 Reactivity: 0 PPE: B

Routes of Entry: Skin contact, Eye contact

Target Organs: No organs known to be damaged from exposure to this product.

Medical Conditions Aggravated by Exposure: No medical conditions affected by exposure.

Immediate (Acute) Health Effects by Route of Entry:

Inhalation Irritation: No hazard in normal industrial use.

Skin Contact: Can cause minor skin irritation, defatting, and dermatitis.

Skin Absorption: No absorption hazard in normal industrial use.

Eye Contact: Can cause minor irritation, tearing and reddening.

Ingestion Irritation: No hazard in normal industrial use.

Long-Term (Chronic) Health Effects:

Carcinogenicity: None of the substances have been shown to cause cancer in long term animal studies. Not a carcinogen according to NTP, IARC, or OSHA.

Reproductive and Developmental Toxicity: No data.

4. FIRST AID

Inhalation: Remove to fresh air. If breathing is difficult, have a trained individual administer oxygen.

Eyes: Flush eyes with plenty of water for at least 20 minutes retracting eyelids often. Tilt the head to prevent chemical from transferring to the uncontaminated eye. Get immediate medical attention.

Skin Contact: Wash with soap and water. Remove contaminated clothing and launder. Get medical attention if irritation develops or persists.

Ingestion: No hazard in normal industrial use. Do not induce vomiting. Seek medical attention if symptoms develop. Provide medical care provider with this MSDS.

Notes to Doctor: No additional first aid information available

5. FIRE FIGHTING MEASURES

Flammability Summary: Not combustible

Autoignition Temperature:	Not Determined
Lower Explosive Limit (% in air):	Not Determined
Upper Explosive Limit (% in air):	Not Determined

Extinguishing Media: Not combustible. Use extinguishing media appropriate for surrounding fire.

Fire Hazards: Material will not ignite or burn except when evaporated to dryness.

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Fire Fighting Instructions: Will not burn, no special instructions available. Use methods appropriate for surrounding materials.

6. ACCIDENTAL RELEASE MEASURES

Special Protection: No adverse health effects expected from the clean-up of spilled material. Follow personal protective equipment recommendations found in Section VIII of this MSDS.

Clean-up: Prevent the spread of any spill to minimize harm to human health and the environment if safe to do so. Wear complete and proper personal protective equipment following the recommendation of Section VIII at a minimum. Dike with suitable absorbent material like granulated clay. Gather and store in a sealed container pending a waste disposal evaluation. Ensure clean-up measures are in compliance with OSHA (29 CFR 1910.120).

7. HANDLING AND STORAGE

Handling: No special handling instructions due to toxicity.

Storage: Store in a cool dry place. Isolate from incompatible materials. Keep from freezing. Use prior to expiration date located on the product label.

8. EXPOSURE CONTROLS/PERSONAL PROTECTION

Engineering Controls: No exposure limits exist for the constituents of this product. No engineering controls are likely to be required to maintain operator comfort under normal conditions of use.

Respiratory Tract: No respiratory protection required under normal conditions of use.

Respirator Type(s): Not normally required.

Eyes: Wear safety glasses when handling this product.

Skin: Wear protective gloves. Inspect gloves for chemical break-through and replace at regular intervals. Clean protective equipment regularly. Wash hands and other exposed areas with mild soap and water before eating, drinking, and when leaving work.

Gloves: Nitrile

<u>Chemical Name</u>	<u>Regulation</u>	<u>Exposure Limits</u>
None listed.	ACGIH STEL	
None listed.	ACGIH TWA	
None listed.	OSHA PEL	
None listed.	OSHA STEL	

9. PHYSICAL AND CHEMICAL DATA

Melting Point:	Not Determined	Specific Gravity:	1.000
Color:	See TDS	Bulk Density (lbs/gal):	8.32
Odor:	No data.	VOC Percent by Weight:	3.4816
pH:	9.92	Lbs. VOC per lb. of Product:	0.0348
Vapor Pressure (mmHg):	Not Determined	Melting Point:	Not Determined
Vapor Density:	Not Determined	Solubility in Water:	Not determined
Evaporation Rate:	Not Determined	Octanol/Water Coeff:	Not Determined

Ammonia Percent by Weight

<u>Chemical Name</u>	<u>CAS RN</u>	<u>%</u>
There is no ammonia in this product.		

10. STABILITY AND REACTIVITY

Stability: Stable under normal conditions.

Conditions to Avoid: None known.

Chemical Incompatibility: None Known

Hazardous Decomposition Products: Carbon monoxide and carbon dioxide.

11. TOXICOLOGICAL INFORMATION

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Toxicology Summary: No additional toxicology information available.

Chemical Name
Ethanol, 2-dimethylamino-

LD50/LC50, NIOSH Selected Values
Inhalation LC50 Rat: 6.1 mg/L/4H; Inhalation LC50 Rat: 1641 ppm/4H; Oral LD50 Rat: 1803 mg/kg; Dermal LD50 Rabbit: 1370 µL/kg

12. ECOLOGICAL INFORMATION

Overview (for ingredients): This product is not expected to produce significant ecotoxicity upon exposure to aquatic organisms and aquatic systems.

13. DISPOSAL CONSIDERATIONS

Waste Description for Spent Product:	Spent or discarded material is not expected to be a hazardous waste.
Disposal Methods:	Comply with all Local, State, Federal, and Provincial Environmental Regulations.

14. TRANSPORTATION INFORMATION

Rail/Road: NOT REGULATED BY DOT
Air: NOT REGULATED BY IATA

Please refer to the Bill of Lading for the most up to date shipping information for this container size and mode of transport.

15. REGULATORY INFORMATION

NATIONAL CHEMICAL INVENTORY INFORMATION

Components of this product are listed on the following inventories (U=Unknown; Y=Yes; N=No)

TSCA Status	(United States)	Y	KECI Status	(Korea)	TBD
ACOINS/AICS Status	(Australia)	TBD	PICCS Status	(Philippines)	TBD
EC(EINECS) Status	(Europe)	TBD	CHINA Status	(China)	TBD
DSL Status	(Canada)	TBD	NOTS Status	(New Zealand)	TBD
MITI Status	(Japan)	TBD			

Chemical Name	Regulation	CAS RN	%
No 313 listed chemicals in this product.	SARA 313 Reportable		
No EHSs in this product.	Extremely Hazardous Substances		
No listed components in this product.	Prop 65 Carcinogens (Metals)		
There are no California - Proposition 65 - Carcinogens in this product.	Prop 65 Carcinogens		

CERTIFICATIONS

CONEG (HEAVY METALS)

Based on information provided by our suppliers, the raw materials used in the manufacture of this product contain no toxic heavy metals in concentrations greater than trace levels including lead, mercury, cadmium and hexavalent chromium which are not present in concentrations at or greater than 100 ppm as specified in the CONEG model legislation for Toxics in Packaging.

NATURAL RUBBER INFORMATION

This product is not manufactured with, nor does it contain, natural rubber as defined in 21 CFR 801.437(b).

ORGANO TINS INFORMATION

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This product is not manufactured with, nor does it contain, organo-tin compounds.

2,3,7,8-TETRACHLORODIBENZO-P-DIOXIN (CAS# 19408-74-3) INFORMATION

This product is not manufactured with, nor does it contain, 2,3,7,8-tetrachlorodibenzo-p-dioxin.

16. ADDITIONAL INFORMATION

USER'S RESPONSIBILITY

The information provided in the attached Material Safety Data Sheet pertains to the product as supplied by Michelman, Inc. While the descriptions, data and information contained herein are presented in good faith and believed to be accurate, it is provided for your guidance only. The responsibility to provide a safe working place remains with the user. The information contained herein is, to the best of our knowledge and belief, accurate. However, since the conditions of handling and use are beyond our control, we make no guarantee of results, and assume no liability for damages incurred by use of this material. It is the responsibility of the user to comply with all applicable federal, state and local laws and regulations.

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