

# MATERIAL SAFETY DATA SHEET



Date Prepared: 02/03/06

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

## MICHEM EMULSION 70750 ME70750

### 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
This product contains no hazardous or carcinogenic components at concentrations requiring reporting under OSHA 1910.1200.		

### 3. HAZARDS IDENTIFICATION

HMIS Ratings: Health: 2 Flammability: 0 Reactivity: 0 PPE: B/G

**Routes of Entry:** Skin contact, Eye contact and Inhalation

**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:** Can cause minor respiratory irritation, dizziness, weakness, fatigue, nausea, and headache.

**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 available to indicate product or any components present at greater than 0.1% may cause birth defects.

### 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. 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.

### 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.

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

**Fire Fighting Instructions:** Do not enter fire area without proper protection including self-contained breathing apparatus and full protective equipment. Fight fire from a safe distance and a protected location due to the potential of hazardous vapors and decomposition products. Flammable component(s) of this material may be lighter than water and burn while floating on the surface. Use water spray/fog for cooling.

## 6. ACCIDENTAL RELEASE MEASURES

**Special Protection:** No health affects expected from the clean-up of this material if contact can be avoided. 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:** Mildly irritating material. Avoid unnecessary exposure.

**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:** Good general room ventilation should be sufficient to control airborne contaminants to safe levels except where aerosol-generating processes are used, more aggressive engineering controls such as spray booths may be necessary.

**Respiratory Tract:** No respiratory protection required under normal conditions of use. Provide general room exhaust ventilation if symptoms of overexposure occur as explained Section III. A respirator is not normally required.

**Respirator Type(s):** None required where adequate ventilation is provided. If airborne concentrations are above the applicable exposure limits, use NIOSH/MSHA approved respiratory protection.

**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:** Impervious rubber or other chemical resistant gloves.

<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

<b>Melting Point:</b>	Not Determined	<b>Specific Gravity:</b>	0.94
<b>Color:</b>	See TDS	<b>Bulk Density (lbs/gal):</b>	7.82
<b>Odor:</b>	No data.	<b>VOC Percent by Weight:</b>	0.064
<b>pH:</b>	9.3-10.3	<b>Lbs. VOC per lb. of Product:</b>	0.0006
<b>Vapor Pressure (mmHg):</b>	Not Determined	<b>Melting Point:</b>	Not Determined
<b>Vapor Density:</b>	Not Determined	<b>Solubility in Water:</b>	Not determined
<b>Evaporation Rate:</b>	Not Determined	<b>Octanol/Water Coeff:</b>	Not Determined

### Ammonia Percent by Weight

<u>Chemical Name</u>	<u>CAS RN</u>	<u>%</u>
Ammonia	7664-41-7	0.305

## 10. STABILITY AND REACTIVITY

**Stability:** Stable under normal conditions.

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Conditions to Avoid: None known.

Chemical Incompatibility: Strong acids Strong oxidizing agents

Hazardous Decomposition Products: Carbon monoxide and carbon dioxide.

## 11. TOXICOLOGICAL INFORMATION

Toxicology Summary: No additional toxicology information available.

Chemical Name  
No data available

LD50/LC50, NIOSH Selected Values

## 12. ECOLOGICAL INFORMATION

Overview (for ingredients): Components of this product are hazardous to wildlife and aquatic life

## 13. DISPOSAL CONSIDERATIONS

Waste Description for Spent Product:	Spent or discarded material is not expected to be a hazardous waste.
Disposal Methods:	
Product Characteristic Hazardous Waste Code:	NONE

Components subject to EPA Land Disposal Restrictions:

## 14. TRANSPORTATION INFORMATION

Rail/Road: Not regulated in Pails and Drums or Totes. Regulated in Tankers. ENVIRONMENTALLY HAZARDOUS SUBSTANCES, LIQUID, N.O.S. (CONTAINS AMMONIA) CLASS 9, UN 3082, PG III RQ

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)	Y
ACOINS/AICS Status	(Australia)	Y	PICCS Status	(Philippines)	Y
EC(EINECS) Status	(Europe)	Y	CHINA Status	(China)	Y
DSL Status	(Canada)	Y	NOTS Status	(New Zealand)	U
MITI Status	(Japan)	U			

### Chemical Name

No 313 listed chemicals in this product.

### Regulation

SARA 313 Reportable

### CAS RN

### %

No EHSs in this product.

Extremely Hazardous Substances

No listed components in this product.

Prop 65 Carcinogens (Metals)

No listed components 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.

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## 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

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

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### 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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