



## Material Safety Data Sheet

**Product: Silicone Digestor**

**MSDS Date:** 6/12/06  
**Product Name:** Silicone Digestor  
**Manufacturer:** NAPCO, Ltd.

### 1. Product and Company Description

North American Polymer Company, Ltd.  
7315 Hamlin Ave.  
Skokie, IL 60076

**For Product Emergency:**  
Infotrac Emergency Hotline (800)457-4280  
For Emergencies outside the US and Canada call (352)323-3500

**For Product Information:**  
800-888-1081/847-779-6464

**Chemical Synonym/Formula:**  
N/A

### 2. Hazards Identification

#### Emergency Overview

**Appearance/Odor:** Clear liquid with strong organic odor.

#### Potential Health Effects:

**Acute Eye:**

Short term liquid or vapor contact may result in eye irritation. Prolonged and repeated contact may be more irritating and injure eye tissue.

**Acute Skin:**

Prolonged and repeated liquid contact can cause defatting and drying of the skin which may result in skin irritation and dermatitis. May aggravate existing dermatitis.

**Acute Inhalation:**

High concentrations or prolonged exposure to lower concentrations may be slightly irritating to mucus membranes. High vapor/aerosol concentrations (greater than approximately 700 ppm, attainable at elevated temperatures well above ambient ) are irritating to the eyes and the respiratory tract, and may cause headaches, dizziness, anesthesia, drowsiness, unconsciousness, and other central nervous system effects, including death.

**Acute ingestion:**

Liquid ingestion may result in vomiting; aspiration of liquid into the lungs must be avoided as liquid contact with the lungs can result in chemical pneumonitis and pulmonary edema/hemorrhage.



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**Chronic Exposure:**

Not Determined

**Aggravation of Pre-existing Conditions:**

Diseases of the blood, skin, eyes, liver, kidneys, lungs, cardiovascular, pulmonary and respiratory systems as well as alcoholism and rhythm disorders of the heart.

### 3. Chemical Composition

Component	CAS#	% Composition
Aliphatic Hydrocarbon	64742-47-8	70-80
Sulfonated Alkali Compounds	NA	20-30

### 4. First Aid Measures

**First Aid Measures for Accidental:**

**Eye Exposure:**

Immediately flush eyes with copious amounts of water for a minimum of continuously 15 minutes. Seek immediate medical attention if adverse effect occurs.

**Skin Exposure:**

Immediately begin flushing skin continuously for a minimum of 15 minutes. Remove exposed or contaminated clothing, taking care not to contaminate eyes. Seek immediate medical attention if adverse effect occurs.

**Inhalation:**

Remove person to fresh air. If necessary, use artificial respiration to support vital functions.

**Ingestion:**

Do not induce vomiting even though vomiting may occur. If vomiting occurs, keep head below hips to prevent aspiration of liquid into lungs, which can cause chemical pneumonitis, which can be fatal. Get medical attention.

### 5. Fire Fighting Measures

**Fire Hazard Data:**

**Autoignition:** ND

**Flash Point:** 170 °F

**Flammability Limits (vol/vol%):**

**Lower:**  
1.3

**Upper:**  
ND

**Extinguishing Media:**

Carbon dioxide, dry chemical powder, or foam.



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### Special Fire Fighting Procedures:

Firefighters should be equipped with self-contained breathing apparatus and turn out gear. Water spray may be ineffective. If water is used, fog nozzles are preferable. Water may be used to cool closed containers to prevent pressure buildups and possible ignition or explosion when exposed to extreme heat.

### Unusual Fire and Explosion Hazards:

Vapors are heavier than air and may accumulate in low areas or areas inadequately ventilated. Vapors may also travel along the ground to be ignited at location distant from handling site; flashback of flame to handling site may occur. Never use welding or cutting torch on or near drum (even empty) because product (even just residue) can ignite explosively.

## 6. Accidental Release Measures

### Cleanup and Disposal of Spill:

In case of a spill, clear the affected area and protect people. Eliminate all sources of ignition before clean-up begins. Use non-sparking tools. For small spills, absorb on polypads or other suitable non-reactive absorbent materials, wearing gloves, goggles and apron. Discard any product, residue, disposable container or liner in full compliance with federal, state, and local regulations.

## 7. Handling and Storage

### Handling/Storage:

Wash up with soap and water before eating, drinking, smoking or using toilet facilities. Launder contaminated clothing before reuse. Store away from alkalis and oxidizing materials in a cool, dry place with adequate ventilation. Keep away from heat and open flames. Keep container tightly closed when not dispensing product. Containers of this material may be hazardous when emptied, since emptied containers retain product residues (vapor, liquid, and/or solid.) All hazard precautions given in the Data sheet must be observed.

## 8. Exposure Controls / Personal Protection

### Exposure Guidelines:

Component	ACGIH	NIOSH	OSHA-PELs
Aliphatic Hydrocarbon	100 ppm TWA	ND	100 ppm TWA
Sulfonated Alkali Compounds	ND	ND	ND

### Engineering Controls:

Ventilation must be adequate to maintain the ambient workplace atmosphere below the exposure limit(s) outlined in the MSDS.

### Respiratory Protection:

If respiratory protection is needed, use only protection authorized in the U.S. Federal OSHA Standard (29 CFR 1910.134), applicable U.S. State regulations, or the Canadian CSA Standard Z94.4-93 and applicable standards of Canadian Provinces. Oxygen levels below 19.5% are considered IDLH by OSHA.



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In such atmospheres, use of a full-facepiece pressure/demand SCBA or a full facepiece, supplied air respirator with auxiliary self-contained air supply is required under OSHA's Respiratory Protection Standard (1910.134-1998).

#### Eye / Face Protection:

Splash goggles or safety glasses. Emergency eye wash stations and showers should be available within the work area.

#### Skin Protection:

Wear neoprene or butyl rubber gloves for routine industrial use. Use body protection appropriate for task. An apron or other impermeable body protection is suggested. Full-body chemical protective clothing is recommended for emergency response procedures.

### 9. Physical and Chemical Properties

**Physical Appearance:** Clear liquid  
**Odor:** Solvent Odor  
**pH:** ND  
**Specific Gravity/Density:** ND  
**Water Solubility:** ND  
**Melting Point:** ND  
**Freezing Point:** ND  
**Boiling Point:** 408-442°F  
**Vapor Pressure:** <1  
**Percent Volatiles by Volume:** ND  
**Evaporation Rate:** ND  
**Viscosity:** ND  
**Flash Point:** 170 °F  
**Explosion Limits:** Lower: ND  
Upper: ND  
**Flammability:** ND  
**Autoignition Temp:** ND

### 10. Stability and Reactivity

#### Chemical Stability:

Stable

#### Conditions to Avoid:

Heat, sparks, open flame.

#### Materials / Chemicals to Be Avoided:

Alkalis and oxidizing materials.

#### Hazardous Decomposition Products:

Thermal decomposition may produce oxides of carbon and sulfur.



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**Hazardous Polymerization:**

Will not occur.

**11. Toxicological Information**

**Acute Effects**

Not Determined

**Chronic Effects**

Carcinogenicity: No data

Mutagenicity: No data

Reproductive Effects: No Data

Developmental Effects: No Data

**12. Ecological Information**

**Environmental Fate:**

Not Determined.

**Environmental Toxicity:**

This compound may be harmful or fatal to contaminated plant and animal-life (especially if large quantities of are released). No data are currently available on the effects of a release of this compound to bodies of water. It may be expected that a release, especially of large quantity, may harm aquatic organisms.

**13. Disposal Considerations**

**Waste Disposal Method:**

Whatever cannot be saved for recovery or recycling should be managed in an appropriate and approved waste disposal facility. Processing, use or contamination of this product may change the waste management options. State and local disposal regulations may differ from federal disposal regulations. Dispose of container and unused contents in accordance with federal, state and local requirements.

**14. Transportation Information**

**US Department of Transportation Shipping Name:**

<b>US Department of Transportation</b>	<b>Proper Shipping Name</b>	Combustible Liquid, n.o.s (Petroleum Distillates)
	<b>Hazard Class</b>	3
	<b>ID Number</b>	NA1993
	<b>Packing Group</b>	III



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### 15. Regulatory Information

#### Federal Regulations:

##### **SARA Title III Hazard Classes:**

Fire Hazard:	No
Reactive Hazard:	No
Release of Pressure:	No
Acute Health Hazard:	Yes
Chronic Health Hazard:	No

##### **TSCA**

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

#### U.S. State Regulations:

California Prop 65 List: None

### 16. Other Information

#### **National Fire Protection Association Hazard Ratings – NFPA(R):**

Health Hazard:	1
Flammability:	2
Reactivity:	0

#### **Key Legend Information:**

N/A – Not Applicable

ND – Not Determined

ACGIH – American Conference of  
Governmental Industrial Hygienists

OSHA – Occupational Safety and Health  
Administration

TLV – Threshold Limit Value

IDLH – Immediately Dangerous to Life and  
Health

PEL – Permissible Exposure Limit

TWA – Time Weighted Average

STEL – Short Term Exposure Limit

NTP – National Toxicology Program

IARC – International Agency for Research on  
Cancer

**The information contained herein is based on the data available to us and is believed to be correct. However NAPCO, Ltd. makes no warranty expressed or implied regarding the accuracy of these data or the results to be obtained from the use thereof.**