

POLYURETHANE FOAM CLEANER

(Foam Cleaner)

MSDS # A16304

Issue Date: March 2005 Last Rev: October 22, 2010

M A T E R I A L S A F E T Y D A T A S H E E T

1. PRODUCT & COMPANY IDENTIFICATION

Chemical Product

Polyurethane Foam Cleaner

Manufacturer

FOMO PRODUCTS, INC.
P. O. Box 1078
Norton, Ohio 44203

Emergency Overview

Product Information: 1-800-321-5585 (Monday-Friday 8:00am-5:00pm). In Ohio and outside the United States call (330) 753-4585
Transportation Emergency: CHEMTREC 1-800-424-9300 (24 hours). One-Component Polyurethane Foam Sealant HC is registered by the manufacturer, FOMO PRODUCTS, INC.
International Transportation Emergency: CHEMTREC (703) 527-3887

Product is a pressurized, flammable organic solvent. Containers should not be heated above 120°F (49°C) to avoid excessive pressure build-up.

2. HAZARDS IDENTIFICATION

Emergency Overview

<p>DANGER! Extremely Flammable Liquid and Vapor. Vapors may cause a flash fire. May cause eye, skin, nose, throat and respiratory tract irritation. Harmful if inhaled. Contents under pressure, storage temperature should not exceed 120°F (49°C) in order to avoid excessive pressure build up and possible container rupture. May cause central nervous system effects causing dizziness, headache, or nausea. Prolonged or repeated contact may dry the skin and cause irritation and burns. Turn off all ignition sources.</p>
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Potential Health Effects

The primary adverse health effects of this product are related to an acute or chronic over exposure to Acetone. This material can be harmful or fatal if inhaled or ingested. This product should be used in a well ventilated area to avoid exceeding the exposure limits of these components (listed in Section 8 of this MSDS). If used indoors, mechanical ventilation or exhaust should be provided during use (see Section 8).

Entry Route: Effects of Overexposure

Inhalation: Repeated and prolonged exposure to organic solvents at or above levels can produce anesthetic effects, such as dizziness or lightheadedness. May cause physiological injury and should be avoided. Exposure to extremely high vapor concentrations can cause death.

Eyes: Liquids and vapors are an irritant to the eyes, causing pain, lacrimation and general inflammation. Symptoms include stinging, tearing, redness, and swelling of the eyes.

Skin: May be mildly irritating to skin. Continued exposure may lead to dermatitis and general inflammation. Symptoms may include redness, burning, drying and cracking of skin, and skin burns. Passage of the material into the skin is possible, but unlikely to result in absorption of harmful amounts.

Ingestion: Small amounts swallowed as a result of normal handling are not likely to cause injury; swallowing large amounts may cause injury. This material can get into the lungs through swallowing or vomiting. If vomiting results in aspiration, chemical pneumonia or lung damage could occur.

If accidental contact occurs, follow the appropriate first aid procedure described in Section 4 of this MSDS.

3. COMPOSITION

<u>Chemical Name (common names)</u>	<u>CAS Number</u>	<u>Percentage</u>
Acetone	67-64-1	60 to 100 percent
Carbon Dioxide (Compressed Gas)	124-38-9	5 to 10 percent

(NOTE: See Section 8 of this MSDS for Exposure Guidelines)

(NOTE: See Section 11 of this MSDS for Toxicological Information- LC₅₀ and LD₅₀)

4. FIRST AID

Inhalation: If breathing difficulty is experienced, move to area free of exposure. Provide fresh air. If necessary, provide oxygen or artificial respiration by trained personnel and obtain medical attention.

Eye Contact: Immediately flush with clean water for at least 15 minutes and obtain medical attention. If the person is wearing contact lenses, flush initially for 5 minutes, remove lenses and then flush for an additional 15 minutes. Contact a physician.

Skin Contact: Remove contaminated clothing. Wash off immediately with soap and plenty of water. If irritation persists, obtain medical attention. Wash contaminated clothing before re-use.

Ingestion: Do not induce vomiting. Never give anything orally to an unconscious person. Contact or transport to a medical facility immediately.

5. FIRE FIGHTING MEASURES

Extinguishing Media: Dry Chemical, carbon dioxide, Halon 1211, chemical foams, or water spray (if used in large quantities).

Firefighting Procedures: Isolate area and deny unnecessary entry. Stay upwind. Water is not recommended unless used in large quantities as a fine spray when other extinguishing agents are not available. Water may spread the fire. Protective equipment: Wear self-contained breathing apparatus to protect against toxic decomposition by-products, including Carbon monoxide, and Carbon dioxide. Wear all turn out gear (boots, trousers, helmet, gloves, and hood).

Unusual Fire/Explosion Hazards: Contains flammable propellant. Eliminate ignition sources. High temperatures will raise the pressure in the containers, which may lead to rupturing. Aerosol cans exposed to fire or high temperature can rupture and rocket. Vapors are heavier than air, and may travel along the ground and for long distances. This material is volatile and can be ignited by static discharge, flames, sparks, heaters, smoking, or other ignition source.

6. ACCIDENTAL RELEASE MEASURES

Personal Precautions: Wear skin, eye, and respiratory protection and equipment (See section 8). Ventilate the area. Vapors can accumulate in low areas. Read all product instructions before using.

Environmental Precautions: Containment should include preventing the spill from entering drains, sewers, waterways, groundwater, or soil. If run-off occurs contact the proper authorities as required.

Clean Up Procedures/Neutralization: Absorb liquid on vermiculite, floor absorbent or other absorbent material. Materials used in cleaning up spill may be considered hazardous waste.

7. HANDLING AND STORAGE

Handling: Extremely flammable aerosol compressed gas. Keep away from sources of heat, sparks, and flame. Remove all ignition sources. Turn off all pilot lights. Do not smoke. Wear proper personal protective equipment when using the product. Use only in a well ventilated area. Take precautionary measures against static discharge.

Storage: Store in a dry place. Ideal storage temperature for is 60°F to 80°F (15.5°C to 26.6°C). Keep away from heat and sources of ignition. Keep containers closed. Always store container upright. KEEP OUT OF REACH OF CHILDREN

8. EXPOSURE CONTROLS/PERSONAL PROTECTION

Read all product instructions before using.

Exposure Guidelines

Acetone	<u>OSHA</u>	1000 ppm	2,400 mg/m ³
	<u>ACGIH</u>	500 ppm TWA	
	<u>ACGIH</u>	750 ppm STEL	
	<u>NIOSH</u>	250 ppm REL	590 mg/m ³
Carbon dioxide	<u>ACGIH</u>	5000 ppm	
	<u>OSHA</u>	1000 ppm	

Personal Protective Equipment

Respiratory Protection/Ventilation: Only use in a well ventilated area. Mechanical ventilation may be needed to maintain exposure below exposure guidelines.

Hand Protection: Use chemically resistant gloves. Nitrile/butadiene rubber, Butyl Rubber, polyethylene, PVC (vinyl), or neoprene gloves are also effective. Glove selection should take into account potential body reactions to certain materials and manufacturer's instructions for use.

Eye Protection: Use safety glasses with side shields or goggles. An eye wash station should be in the area.

Skin Protection: Avoid contact with skin. Use clothing that protects against dermal exposure.

9. PHYSICAL AND CHEMICAL PROPERTIES

Appearance:	Liquid
Odor:	Solvent Odor.
pH:	No test data available
Melting/Freezing Point:	-94.8 °C (-138.6 °F) Acetone Vendor
Boiling Point:	56°C (132.8°F) Acetone Vendor
Flash Point:	-20°C (-4°F)
Specific Gravity:	0.8 (H ₂ O = 1)
Solubility in Water:	Soluble
Partition Coefficient N-octanol/water:	No test data available
Auto-ignition Temperature:	465°C (869°F)
Decomposition Temperature:	Not available
Evaporation Rate:	14.40
Flammability Limits:	Lower 2.6% (V) Upper 12.8% (V) - Acetone Vendor
Vapor Pressure:	Container is under pressure (greater than 50 psig) 345kPa Liquid vapor pressure 30.79 kPa @77°F (25°C)
Vapor Density:	2 (AIR = 1)

10. STABILITY AND REACTIVITY

Stability: This product is considered stable under normal and anticipated storage and handling conditions. Do not store above 120°F (49°C).

Materials to Avoid: Strong oxidizing agents, incompatible with acids, halogenated compounds, reducing agents, and strong bases.

Conditions to Avoid: High temperatures will raise the pressure in the containers, which may lead to rupturing. Avoid static discharge.

Thermal Decomposition: Toxic decomposition by-products include Carbon monoxide and Carbon dioxide.

11. TOXICOLOGICAL INFORMATION

Acute Toxicity for Acetone:

Ingestion: LD50 5,800 mg/kg (rat, male/female)

Skin: LD50 >20,000 mg/kg (rabbit)

Sensitization

Skin: (rabbit, slightly irritating)

Eye: (rabbit, moderately irritating)

Repeated Dose Toxicity: Symptoms of excessive exposure include dizziness and drowsiness. This product contains components which have been reported to cause effects of the following organs in animals: blood, kidney and liver.

Developmental Toxicity: has been toxic to the fetus in lab animals at dos toxic to the mother

Genetic Toxicity In vitro: In vitro studies were negative.

12. ECOLOGICAL INFORMATION

Ecological Data for Acetone:

Biodegradation: Readily Biodegradeable.

Bioaccumulation: 1

Acute Toxicity to Fish: LC50: 5540 mg/l *Oncorhynchus mykiss* (rainbow trout), 96h

LC50: 8300 mg/l *Lepomis macrochirus* (bluegill sunfish), 96h

LC50: 8120 mg/l *Pimephales promelas* (fathead minnow) 96h

Acute Toxicity to Aquatic Invertebrates: EC50: 10 mg/l *Daphnia magna* (water flea), 24h

Toxicity to algae: EC50: >100 mg/l, *Selenastrum capricornutum*, 96h

13. DISPOSAL CONSIDERATIONS

Do not dispose product into drains, sewers, waterways, groundwater, or soil.

1. DO NOT INCINERATE CONTAINERS

2. Before disposing of containers, relieve container of any remaining pressure. Never discard in a liquid state. Always wear safety glasses or goggles, nitrile gloves, and clothing that protects against dermal exposure when disposing of product.

3. DISPOSE OF EMPTY CONTAINERS ACCORDING TO APPLICABLE FEDERAL, STATE, PROVINCIAL AND LOCAL REGULATIONS. CHECK WITH YOUR LOCAL WASTE DISPOSAL SERVICE FOR GUIDANCE.

14. TRANSPORTATION

Shipping Information

Containers 1000 cu. cm. (1 liter) or Less

Ground	Consumer Commodity ORM-D (On Shipper Carton)
Air	UN1950 Aerosols, Flammable 2.1 (Flammable Gas Label) LIMITED QUANTITY Packing Instruction (Cargo & Passenger) 203
Water	UN1950 Aerosols, Flammable 2.1 (Flammable Gas Label) LIMITED QUANTITY

Note Emergency Response Guide Numbers – Consumer Commodity #171, for Aerosols #126

15. REGULATORY

OSHA Hazcom Standard Rating:

Hazardous

WHMIS Classification:

A
B2
D2B

Toxic Substances Control Act (TSCA)/Domestic Substances List (DSL):

All ingredients are listed on the TSCA inventory, as well as the Canadian Domestic Substances List.

SARA Title III: Section 311/312:

Acute Health Hazard, Chronic Health Hazard, Fire Hazard, Sudden Release of Pressure Hazard

SARA Title III: Section 313

This product does not contain chemicals at levels which require reporting under this statute.

State Right-To Know Information: Massachusetts, New Jersey or Pennsylvania Right to Know Substance Lists:

<u>Chemical Name (common names)</u>	<u>CAS Number</u>	<u>Percentage</u>
Acetone	67-64-1	60 to 100 percent

California Proposition 65:

Based on information currently available, this product is not known to contain detectable amounts of any chemicals currently listed under California Proposition 65.

16. OTHER

NFPA: Health Hazard 1; Flammability 3; Reactivity 0

HMIS: Health Hazard 1; Flammability 3; Physical Hazard 0

The information and recommendations set forth herein are presented in good faith and believed to be correct as of the date hereof. The manufacturer makes no representations as to the completeness or accuracy thereof. Information is supplied upon the condition that the persons receiving it will make their own determination as to its suitability for their purposes prior to use. In no event will the manufacturer be responsible for damages of any nature whatsoever resulting from the use of or reliance upon information. No representations or warranties, either expressed or implied, of merchantability or fitness for a particular use are made hereunder with respect to this information or the product to which information refers.

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LAST REVISION: August 2010-3

Product Management

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