

Material Safety Data Sheet

EMERGENCY PHONE: CHEMTREC 1-800-424-9300
INFORMATION PHONE: 1 – 503 - 234 - 4321

I. CHEMICAL PRODUCT AND COMPANY DATA

PRODUCT: MASCOSEAL SILANE 40
CHEMICAL FAMILY: MASONRY WATERPROOFING COMPOUND
REVISION DATE: 6/2005
SUPPLIER: MASONS SUPPLY COMPANY
2637 SE 12th Avenue
Portland, OR 97202

II. COMPOSITION / INFORMATION ON INGREDIENTS

This document is prepared pursuant to the OSHA Hazard Communication Standard (29 CFR 1910.1200).

INGREDIENT	CAS. NO.	EXPOSURE LIMITS			CONTENT
		TLV	STEL	PEL	
ALIPHATIC HYDROCARBON	8052-41-3	100ppm	N/E	100ppm	>50%
SILANE	N/A	N/E	N/E	N/E	<50%
AROMATIC HYDROCARBON	64742-95-6	N/E	N/E	N/E	<5%

N/A : Not available N/E : Not established

III. HAZARDS IDENTIFICATION

HMIS Hazard Rating No. 1 (Moderate)

PRIMARY ROUTE OF ENTRY: *DERMAL, EYES*

EFFECTS OF OVER EXPOSURE:

INHALATION: Expected to have a low degree of toxicity by inhalation. Excessive inhalation of vapors and/or spray/mist may cause respiratory irritation, dizziness, weakness, nausea, headache, loss of coordination and fatigue.

EYES: Contact may cause mild eye irritation including stinging, watering and redness.

SKIN CONTACT: Skin irritant. Contact may cause redness, burning, drying and cracking of the skin, and skin damage.

SKIN ABSORPTION: No known information available.

INGESTION: Not expected to be a relevant route of exposure. Aspiration hazard. This material can enter the lungs during vomiting or swallowing and cause lung inflammation and damage (pneumonitis and/or pulmonary edema).

IV. FIRST AID MEASURES

- INHALATION:** Remove victim from exposure to fresh air. If difficulty with breathing, administer oxygen. If breathing has stopped, administer artificial respiration. Seek medical attention.
- EYES:** Flush eyes with water, lifting upper and lower lids occasionally for 15 minutes. Seek medical attention.
- SKIN:** Remove contaminated shoes and clothing, flush affected area with large amounts of water. If skin surface is damaged, apply a clean dressing and seek medical attention. If skin surface is not damaged, cleanse affected area thoroughly by washing with a mild soap and water. If irritation or redness develops, seek medical attention.
- INGESTION:** Aspiration hazard. Do not induce vomiting or give anything by mouth because this material can enter the lungs and cause severe lung damage. If vomiting occurs spontaneously, keep head below hips to prevent aspiration of liquid into the lungs. Seek medical attention.

V. FIRE FIGHTING METHODS

HMIS Hazard Rating No. 2

Flash Point: 100°F – 112 °F

METHOD: Tag Closed Cup

AUTO-IGNITION TEMP.: 450 °F

LIMITS OF FLAMMABILITY: LEL: 1.1% UEL: 6.1%

EXTINGUISHING MEDIA: Use dry chemical, Halon, foam or CO₂. Water spray is recommended to cool or protect exposed materials or structures. Water may be ineffective for extinguishment, unless used under favorable conditions by experienced firefighters. Halon may decompose into toxic materials. Carbon Dioxide can displace oxygen. Use caution when applying Halon or Carbon Dioxide in confined spaces.

SPECIAL FIRE FIGHTING PROCEDURES AND PRECAUTIONS: Do not enter confined fire space without full bunker gear (helmet with face shield, bunker coats, gloves and rubber boots), including a positive pressure NIOSH approved self-contained breathing apparatus. Cool fire exposed containers with water.

UNUSUAL FIRE AND EXPLOSION HAZARDS: This material is flammable (or Combustible per CFR 173.120 (b) (2) and may be ignited by heat, sparks, flames, or other sources of ignition, (e.g., static electricity, pilot lights, or mechanical/electrical equipment). Vapors may travel considerable distances to a source of ignition where they can ignite, flashback, or explode. May create vapor/air explosion hazard indoors outdoors, or sewers. Vapors are heavier than air and can accumulate in low areas. If container is not properly cooled, it can explode in the heat of a fire.

CAUTION: Never use cutting torch on empty containers. Residual solvent vapors may explode.

VI. ACCIDENTAL RELEASE MEASURES

ACTION TO TAKE FOR SPILLS/ LEAKS: Keep all sources of ignition and hot metal surfaces away from spill. Use non-sparking tools and explosion proof equipment. Prevent spilled material from entering sewers, drains, and natural waterways. Use foam on spills to minimize vapors. Spilled material should be absorbed into appropriate material. Notify fire authorities and appropriate federal, state and local agencies.

Immediate clean up of any spill is recommended. If spill of any amount is made into or upon navigable waters, the contiguous zone, or adjoining shorelines, notify National Response Center (800-424-8802).

WASTE DISPOSAL METHOD: Recovered material should be packaged, labeled transported, disposed of or reclaimed in compliance with applicable laws and regulations and in conformance with good safety and engineering practices. This product is RCRA hazardous waste if discarded in its produced form. EPA hazardous waste numbers are D)18 (29 CFR 262.20 – 24). Any rinsate may be considered RCRA hazardous waste and must be disposed of with care.

VII. HANDLING AND STORAGE

Keep containers tightly closed.

Store in a ventilated area.

VIII. EXPOSURE CONTROLS/PERSONAL PROTECTION

RESPIRATORY PROTECTION: If the TLV of the product is exceeded, a NIOSH approved air supply respirator is advised in absence of proper environmental control. Engineering or administrative controls should be implemented to reduce exposure. Select respirators based on form and concentration in the air. Adhere to 29 CFR 1910.134.

VENTILATION: Provide sufficient mechanical ventilation to maintain exposure below TLV.

PROTECTIVE GLOVES: Chemical/solvent resistant for prolonged contact.

EYE PROTECTION: Chemical splash goggles in compliance with OSHA regulations are advised.

PROTECTIVE CLOTHING: Boots, aprons chemical resistant suits where deemed necessary to avoid contact during prolonged exposure.

SPECIAL PRECAUTIONS: "Empty" containers contain residue (liquid/vapor) and can be dangerous. Do not pressurize, cut, weld, braze, solder, drill, grind or expose such containers to heat, flame, sparks or other sources of ignition. They may explode and cause injury or death. Keep product away from heat, sparks, pilot lights, static electricity and open flames. Keep containers closed.

IX. Physical And Chemical Properties

		Water/Oil Distribution	N/AV
		Coefficient:	
Boiling Point:	300°F - 390°F	Solubility in Water:	
Percent Volatile:	>95%	Specific Gravity:	.8 – 1
Freezing Point :		pH:	N/AV
Vapor Pressure (mmHg)	3.64 @ 68°F	Evaporation Rate:	.01 times slower than n-butyl acetate
Vapor Density	>AIR	Odor:	Kerosene like
Odor Threshold:	N/AV		
Appearance:	Clear Liquid		
N/AV = Not Available		ca. = Approximate	

X. STABILITY AND REACTIVITY

HMIS Hazard Rating No. 0

STABILITY: Stable Hazardous polymerization will not occur.

CONDITIONS AND MATERIALS TO AVOID: Avoid contact with strong acids or bases, oxidizing agents, selected amines and reducing agents. Keep away from heat, sparks and open flame.

HAZARDOUS DECOMPOSITION PRODUCTS: Thermal decomposition may yield carbon monoxide, carbon dioxide, various forms of hydrocarbons,....

XI. TOXICITY INFORMATION

HMIS Hazard Rating No. 1 (SLIGHT)

PRIMARY ROUTE OF ENTRY: DERMAL, EYES

EFFECTS OF OVEREXPOSURE

INHALATION: Expected to have a low degree of toxicity by inhalation. Excessive inhalation of vapors may cause respiratory irritation, dizziness, weakness, nausea, headache, loss of coordination and fatigue.

LC(50) INHAL. N/av

EYES: Contact may cause mild eye irritation including stinging, watering and redness.

SKIN CONTACT: Skin irritant. Contact may cause redness, burning, drying and cracking of the skin, and skin damage.

SKIN ABSORPTION: No information available.

INGESTION: Aspiration hazard. This material can enter the lungs during swallowing or vomiting and can cause lung inflammation and damage.

LD(50) ORAL N/AV

CHRONIC: Product does not contain chemicals considered to be carcinogenic by NTP, IARC, or OSHA.

XII. ECOLOGICAL INFORMATION

No information found.

XIII. DISPOSAL CONSIDERATIONS

Dispose in a manner which is compliant to Federal, State and Local regulations.

XIV. TRANSPORT INFORMATION

DOT HAZARD CLASS: Combustible Liquid, NA 1993

PACKING GROUP: III

SHIPPING NAME: Combustible Liquid, n.o.s.

Emergency Response Guide: 128

XV. REGULATORY INFORMATION

COMPONENTS ARE LISTED ON THE EPA/TSCA

INVENTORY OF CHEMICAL SUBSTANCES

TITLE III SECTION 302:

No reportable materials.

TITLE III SECTION 311/312:

No reportable materials.

TITLE III SECTION 313:

Trimethylbenzene(<5%) CAS NO. 95-63-6

XVI. OTHER INFORMATION

Information contained in this MSDS refers only to the specific material designated and does not relate to any process or to use with any other materials. This information is based on data believed to be reliable as of the date hereof. It is furnished without warranty of any kind express or implied. Since actual use is beyond our control, no guarantee, express or implied, and no liability is assumed by MASONS SUPPLY COMPANY in conjunction with the use of this information. Nothing herein is to be construed as a recommendation to infringe any patents. This material is for commercial use only