

MATERIAL SAFETY DATA SHEET

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Section 1. Chemical Product and Company Identification

Product Code SMRPSIL"1	
Product Name SMRP SILCON PUMP SPRAY MOLD RELEASE	
Manufacturer's Name Mark V Laboratory, Inc.	Emergency Telephone Number CHEMTREC 800-424-9300
Address (Number, Street, City, State, and ZIP Code) 18 Kripes Road	Telephone Number For Information (860) 653-7201
Post Office Box 540	Date Prepared July 1, 2013
East Granby, Connecticut 06026	Signature of Preparer (optional)

Section 2. Composition / Information on Ingredients

Component	CAS Registry #	wt. %	Exposure Limits	
			ACGIH TLV	OSHA PEL
Hydrotreated light distillates	64742-47-8	65-75	NE	400ppm
Solvent-refined heavy paraffinic distillates	64741-88-4	15-25	5mg/m3	5mg/m3
Inhibitor blend	proprietary	5-15	5000ppm	5000ppm

Section 3. Hazards Identification

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EMERGENCY OVERVIEW

Appearance & Odor: Clear blue-green liquid, pleasant odor
DANGER: Flammable. Harmful or fatal if swallowed.

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POTENTIAL HEALTH EFFECTS:

EYE CONTACT: Contact may cause mild irritation including stinging, watering and redness.

INHALATION: Expected to have a low degree of toxicity by inhalation. High concentrations of vapors may be irritating to the respiratory tract, and may cause headaches, dizziness, anesthesia, drowsiness, and other central nervous system effects.

SKIN CONTACT: Contact may cause redness, itching, and burning and skin damage. Prolonged or repeated contact can worsen irritation and lead to dermatitis. No harmful effects from skin absorption are expected.

INGESTION: Small amounts of this product aspirated into the respiratory system during ingestion or vomiting may cause mild to severe pulmonary injury, possibly progressing to death.

CARCINOGENICITY: None (see section 11)

CHRONIC EFFECTS: None known

MEDICAL CONDITIONS AGGRAVATED BY EXPOSURE: Pre-existing dermatitis

Product: Silicon Spray Mold Release

Section 4. First Aid Measures

INHALATION: Remove to fresh air. Apply artificial respiration if needed.

EYE CONTACT: Flush for 15 minutes with large amounts of water.

SKIN CONTACT: Remove contaminated clothing and wash area with soap and water.

INGESTION: DO NOT induce vomiting. Call a physician.

****PHYSICIANS** THIS PRODUCT IS AN ASPIRATION HAZARD**

Section 5. Fire Fighting Measures

FLAMMABLE PROPERTIES:

FLASH POINT: 170f METHOD USED: TCC

FLAMMABLE LIMITS

LEL: 0.7 UEL: 5.0

EXTINGUISHING MEDIA: CO2, dry chemical or foam, or water spray.

FIRE FIGHTING INSTRUCTIONS: Remove containers from fire area. Use SCBA for fire fighting

HAZARDOUS COMBUSTION PRODUCTS: Oxides of carbon

Section 6. Accidental Release Measures

Use recommendations in section 8 for personal protection. Prevent contamination of ground and surface waters. Do not flush into sewers or storm drains. Remove sources of ignition. Dike area to contain spill. Ventilate the area with fresh air. If in confined space, or limited air circulation area, clean-up workers should wear appropriate respiratory protection. Recover or absorb spilled material using an absorbent designed for chemical spills. Place used absorbents into proper waste containers.

Section 7. Handling and Storage

Do not use near an open flame or other sources of ignition. Store in a cool dry area out of direct sunlight.

Section 8. Exposure Controls / Personal Protection

ENGINEERING CONTROLS: Area should have ventilation to provide fresh air. Local exhaust ventilation is generally preferred because it can control the emissions of the contaminant at the source, preventing dispersion into the general work area. Use mechanical means if necessary to maintain vapor levels below the exposure guidelines. If working in a confined space, follow applicable OSHA regulations.

RESPIRATORY PROTECTION: None required for normal work where adequate ventilation is provided. If engineering controls are not feasible or if exposure exceeds the applicable exposure limits, use a NIOSH approved respirator with organic vapor cartridge.

SKIN PROTECTION: Use protective gloves such as nitrile or neoprene. Use full protective clothing if there is repeated or prolonged contact of liquid with skin.

EYE PROTECTION: Safety glasses.

Product: Silicon Spray Mold Release

Section 9. Physical and chemical Properties

APPEARANCE:	Blue-green	PHYSICAL STATE:	Liquid
BOILING POINT:	380f (initial)	SOLUBILITYINWATER:	Negligible
EVAPORATION RATE:	ND (butyl acetate = 1)	SPECIFIC GRAVITY:	.8187
FREEZING POINT:	ND	VAPOR DENSITY:	>1 (air = 1)
MELTING POINT:		VAPOR PRESSURE:	ND
Volatile organic compounds:	Wt%: 39.1, g/L: 320.1, lbs/gal: 2.67		
ODOR:	Pleasant	% VOLATILE:	40.3
pH:	NA		

Section 10. Stability and Reactivity**CHEMICAL STABILITY:** Stable.**INCOMPATIBILITY:** Strong oxidizing agents**HAZARDOUS DECOMPOSITION PRODUCTS:** Oxides of carbon, oxides of sulfur, hydrocarbons**HAZARDOUS POLYMERIZATION:** No**Section 11. Toxicological Information**

Long-term toxicological studies have not been conducted for this product. See section 3 for acute symptoms of overexposure and carcinogenicity information.

ACUTE EFFECTS:*Component*

Hydrotreated light distillate

Test

LD50 >5g/kg Oral rat

LD50 >2g/kg Dermal Rabbit

LD50 >5mg/L/4H Inhalation Rat

CHRONIC EFFECTS:*Carcinogenicity*

OSHA No component listed

IARC No component listed

NTP No component listed

Other Paraffinic distillates; Product testing using IP 346 shows a DMSO PAH content of <3% by weight.

Section 12. Ecological Information**ECOTOXICOLOGICAL INFORMATION:** No data available**ENVIRONMENTAL FATE:** No data available for biodegradation

Product: Silicon Spray Mold Release

Section 13. Disposal Considerations

The dispensed liquid product is not a RCRA hazardous waste (40CFR Part261.20-261.33). All disposal activities must comply with federal, state, and local regulations.

Section 14. Transport Information (Not meant to be all inclusive)

D.O.T. SHIPPING NAME:
 TECHNICAL SHIPPING NAME:
 D.O.T. HAZARD CLASS:
 U.N. / N.A. NUMBER:
 PRODUCT RQ (LBS):
 D.O.T. LABEL:
 D.O.T. PLACARD: NA
 FREIGHT CLASS BULK: NA
 FREIGHT CLASS PACKAGE: NA
 PRODUCT LABEL: SMR

Section 15. Regulatory Information (Not meant to be all inclusive - selected regulation represented)

OSHA STATUS: Yes

TSCA STATUS: All components are either listed under TSCA or are exempt.

CERCLA REPORTABLE QUANTITY: No

SARA TITLE III:

SECTION 302 EXTREMELY HAZARDOUS SUBSTANCES: No

SECTION 311/312 HAZARDOUS CATEGORIES: Fire, Pressure, Acute health

SECTION 313 TOXIC CHEMICALS: None

RCRA STATUS: To be determined by user

CLEAN AIR ACT SECTION 112 HAZARDOUS AIR POLLUTANTS (HAPs): None

CALIFORNIA PROPOSITION 65: No

Section 16. Other Information

MSDS STATUS:

NOTE: The information on this data sheet represents our current data and best opinion as to the proper use in handling of this product under normal conditions. Any use of the product which is not in conformance with this Data Sheet or which involves using the product in combination with any other product or any other process is the responsibility of the user.

NFPA: Health: 1 Flammability: 2 Reactivity: 0

HMIS: Health: 1 Flammability: 2 Reactivity: 0 PPE: B