

1-124



Material Safety Data Sheet

Section 1: Product & Company Identification

Product Name: General Purpose Silicone Mold Release

Product Number (s): 03300

Manufactured By:

CRC Industries, Inc.
885 Louis Drive
Warminster, PA 18974
www.crcindustries.com

General Information	(215) 674-4300
Technical Assistance	(800) 521-3168
Customer Service	(800) 272-4620
24-Hr Emergency (CHEMTREC)	(800) 424-9300

Section 2: Hazards Identification

Emergency Overview

Appearance & Odor: Clear, oily, colorless liquid, slight odor.

WARNING

Vapor Harmful. Contents Under Pressure

As defined by OSHA's Hazard Communication Standard, this product is hazardous.

Potential Health Effects:

- EYE:** May cause moderate irritation ranging from redness to burning.
- SKIN:** Concentrated spray may cause freezing of skin area. Liquid contact may cause mild to moderate irritation.
- INHALATION:** May irritate nose, throat and lungs. Symptoms include coughing, wheezing, and laryngitis. Exposure to high doses may cause central nervous system depression, including headache, nausea, giddiness, confusion and delirium.
- INGESTION:** May cause irritation of mouth and gastro-intestinal tract.
- CHRONIC EFFECTS:** Long term overexposure may lead to central nervous system, liver or kidney effects.
- TARGET ORGANS:** Central nervous system, liver, kidney

Medical Conditions Aggravated by Exposure:

Dermatitis, respiratory disorders, central nervous system disorders

See Section 11 for toxicology and carcinogenicity information on product ingredients.

Section 3: Composition/Information on Ingredients

COMPONENT	CAS NUMBER	% by Wt.
Dimethylpolysiloxane	63148-62-9	1 – 5
Dimethyl Ether	115-10-6.	65 - 75
n-Propyl Bromide (nPB)	106-94-5	25 - 35

Section 4: First Aid Measures

Eye Contact: Immediately flush with plenty of water for 15 minutes. Call a physician if irritation persists.

Skin Contact: Remove contaminated clothing and wash affected area with soap and water. Call a physician if irritation persists. Wash contaminated clothing prior to re-use.

Inhalation: Remove person to fresh air. Keep person calm. If not breathing, give artificial respiration. If breathing is difficult give oxygen. Call a physician.

Ingestion: Do not induce vomiting. If conscious, give person a glass of water to drink. Seek medical attention.

Note to Physicians: Treat symptomatically.

Section 5: Fire-Fighting Measures

Flammable Properties: This product is not flammable in accordance with aerosol flammability definitions (16 CFR 1500.3(c)(6)). However, the vapors can be made to burn at certain concentrations.

Flash Point:	ND	Upper Explosive Limit:	8.0
Autoignition Temperature:	914F	Lower Explosive Limit:	4.0

Suitable Extinguishing Media: Dry chemical, carbon dioxide, foam

Products of Combustion: Carbon monoxide, carbon dioxide and hydrogen bromide

Protection of Fire-Fighters: Firefighters should wear self-contained, NIOSH-approved breathing apparatus for protection against suffocation and possible toxic decomposition products. Proper eye and skin protection should be provided. Use water spray to keep fire-exposed containers cool and to knock down vapors which may result from product decomposition.

Section 6: Accidental Release Measures

Personal Precautions: Use personal protection recommended in Section 8.

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Environmental Precautions: Take precautions to prevent contamination of ground and surface waters. Do not flush into sewers or storm drains.

Methods for Containment & Clean-up: 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

Handling Procedures: Do not spray directly into flame. Do not smoke while using product. Do not spray on floors. Wear appropriate personal protective equipment. Use only with adequate ventilation. Open doors or windows to provide fresh air in poor circulation areas.

Storage Procedures: Store in a cool dry area out of direct sunlight. Aerosol cans must be maintained below 120 F to prevent cans from rupturing.

Aerosol Storage Level: I

Section 8: Exposure Controls/Personal Protection

Exposure Guidelines:

COMPONENT	OSHA		ACGIH		OTHER		UNIT
	TWA	STEL	TWA	STEL	TWA	SOURCE	
Dimethylpolysiloxane	NE	NE	NE	NE	NE		
Dimethyl Ether	NE	NE	NE	NE	1000	AIHA	ppm
N-Propyl Bromide	NE	NE	10	NE	25	EPA	ppm
N.E. – Not Established (c) – ceiling (s) – skin (v) – vacated							

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 cartridge respirator with organic vapor cartridge. Use a self-contained breathing apparatus in confined spaces and for emergencies.

Eye/face Protection: For normal conditions, wear safety glasses. Where there is reasonable probability of liquid contact, wear splash-proof goggles.

Skin Protection: Use protective gloves such as Viton or Norfoil. Also, use full protective clothing if there is prolonged or repeated contact of liquid with skin.

Section 9: Physical and Chemical Properties

Physical State: Liquid

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Color: Clear, colorless
 Odor: Slight solvent
 Specific Gravity: 0.78
 Initial Boiling Point: ND
 Freezing Point: < -50°F
 Vapor Pressure: 139 mmHg @ 70°F
 Vapor Density: ND (air = 1)
 Evaporation Rate: ND (ether = 1)
 Solubility: Not soluble
 pH: NA
 Volatile Organic Compounds: wt %: 97 g/L: 756.6 lbs./gal: 6.32

Section 10: Stability and Reactivity

Stability: Stable
 Conditions to Avoid: Open flames and high temperatures.
 Incompatible Materials: Alkaline earth materials, oxidizers, bases, and reactive metals. Incompatible with natural rubber.
 Hazardous Decomposition Products: Carbon monoxide, carbon dioxide, and hydrogen bromide
 Possibility of Hazardous Reactions: No

Section 11: Toxicological Information

Long-term toxicological studies have not been conducted for this product. The following information is available for components of this product.

ACUTE EFFECTS

<u>Component</u>	<u>Test</u>	<u>Result</u>	<u>Route</u>	<u>Species</u>
Dimethyl Ether	LC50	308.5 mg/m ³	Inhalation	Rat
N-Propyl Bromide	LC50	253 g/m ³ /30M	Inhalation	Rat
N-Propyl Bromide	LD50	3600 mg/kg	Oral	Rat

CHRONIC EFFECTS

Carcinogenicity:

	<u>Component</u>	<u>Result</u>
OSHA:	None listed	
IARC:	None listed	
NTP:	None listed	

Mutagenicity: Unknown

Other: None

Section 12: Ecological Information

Ecological studies have not been conducted for this product. The following information is available for components of this product.

Ecotoxicity: Dimethyl Ether – 96 Hr LC50 water flea: 1852 mg/L (QSAR Modeling)
N-Propyl Bromide – 96 Hr LC50 fat head minnow: 67.3 mg/L (flow-through)
Persistence / Degradability: No information available.
Bioaccumulation / Accumulation: No information available.
Mobility in Environment: No information available.

Section 13: Disposal Considerations

Disposal: The dispensed liquid product is not a RCRA hazardous waste. (See 40 CFR Part 261.20 – 261.33)
Aerosol containers should be emptied and depressurized before disposal. Empty containers may be recycled.

All disposal activities must comply with federal, state and local regulations. Local regulations may be more stringent than state or national requirements.

Section 14: Transport Information

Proper shipping description:

US DOT (ground): Consumer Commodity, ORM-D

Special Provisions: None

Section 15: Regulatory Information

U.S. Federal

Toxic Substances Control Act (TSCA):

All ingredients are either listed on the TSCA inventory or are exempt.

Comprehensive Environmental Response, Compensation and Liability Act (CERCLA):

Reportable Quantities (RQ's) exist for the following ingredients: None

Spills or releases resulting in the loss of any ingredient at or above its RQ require immediate notification to the National Response Center (800-424-8802) and to your Local Emergency Planning Committee.

Superfund Amendments Reauthorization Act (SARA) Title III:

Section 302 Extremely Hazardous Substances (EHS): None

Section 311/312 Hazard Categories:

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

Section 313 Toxic Chemicals: This product contains the following substances subject to the reporting requirements of Section 313 of Title III of the Superfund Amendments and Reauthorization Act of 1986 and 40 CFR Part 372:
None

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Clean Air Act:

Section 112 Hazardous Air Pollutants (HAPs): None

State Regulations

California Safe Drinking Water and Toxic Enforcement Act (Prop 65):

This product may contain the following chemicals known to the state of California to cause cancer, birth defects or other reproductive harm: N-Propyl Bromide

State Right to Know:

New Jersey: 115-10-6
Pennsylvania: 115-10-6, 106-94-5
Massachusetts: 115-10-6
Rhode Island : 115-10-6

Additional Regulatory Information: None

Section 16: Other Information

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

Prepared By: Michelle Rudnick
CRC #: 03300
Revision Date: 12/13/2007

Changes since last revision: MSDS reformatted in accordance with ANSI Z400.1-2004

The information contained in this document applies to this specific material as supplied. It may not be valid for this material if it is used in combination with any other materials. This information is accurate to the best of CRC Industries' knowledge or obtained from sources believed by CRC to be accurate. Before using any product, read all warnings and directions on the label.

CAS:	Chemical Abstract Service	NA:	Not Applicable
ppm:	Parts per Million	ND:	Not Determined
TCC:	Tag Closed Cup	NE:	Not Established
PMCC:	Pensky-Martens Closed Cup	g/L:	grams per Liter
PPE:	Personal Protection Equipment	lbs./gal:	pounds per gallon
TWA:	Time Weighted Average	STEL:	Short Term Exposure Limit
OSHA:	Occupational Safety and Health Administration		
ACGIH	American Conference of Governmental Industrial Hygienists		
NIOSH	National Institute of Occupational Safety & Health		