

MATERIAL SAFETY DATA SHEET

PRODUCT NAME Heavy Duty Silicone (Aerosol) #5074	# MSDS005074
MANUFACTURED BY: CRC CHEMICALS	Phone (215) 674-4300
885 LOUIS DRIVE, WARMINSTER, PA. 18974	

1. INGREDIENTS	CAS #	ACGIH TLV	OSHA PEL	Other Limits	%
Dimethyl polysiloxane	63148-62-9	NA	NA		3
*1,1,1 Trichloroethane	71-55-6	350	350		38
Petroleum Naphtha	64742-89-8	NA	500	100	31
*Propane	74-98-6		1000		14
*Isobutane	75-28-5		NA	800	14
*Propane and isobutane function as aerosol propellents.					
**This chemical on Toxic Chemicals List found in Section 313 of the Emergency Planning and Community Right-to-Know Act (SARA Title III) and is subject to release inventory reporting under the Act.					

2. PHYSICAL DATA (Propellant not included)

Specific Gravity 0.9268	Vapor Pressure NA	% Volatile 97
Boiling Point 152°F (initial)	Evaporation Rate Rapid	
Freezing Point NA	Vapor Density Heavier than air	
Appearance and Odor Clear white liquid - solvent odor		
Solubility Not soluble in water		

3. FIRE AND EXPLOSION DATA

Flashpoint < 20°F Method TCC	Flammable Limits NA
Extinguishing Media Carbon dioxide, Foam, Dry Chemical	LEL UCL
Unusual Hazards Aerosol containers may explode when heated above 130°F.	

4. REACTIVITY AND STABILITY

Stability Stable
Hazardous decomposition products Thermal (Carbon monoxide, hydrogen chloride, possible phosphene)
Materials to avoid Strong oxidizers

5. PROTECTION INFORMATION

Ventilation Required in a confined area to maintain vapor conc. below TLV.	
Respiratory Self contained breathing apparatus for vapor conc. above TLV.	
Gloves Solvent resistant	Eye & Face Safety goggles
Other Protective Equipment Not normally required for aerosol use.	

6. HEALTH HAZARD DATAPrimary Routes of Entry Inhalation and Skin

Signs and Symptoms of Exposure

1 Acute Overexposure Inhalation - headache, dizziness, nausea, anesthesia & unconsciousness. Eyes - may be irritating to eyes. Skin--may be irritating to skin.

2 Chronic Overexposure Prolonged high levels of the petroleum naphtha may damage nerve tissue. High levels of 1,1,1 Trichloroethane may affect liver and kidneys.
 Medical Conditions Generally Aggravated by Exposure

Chemical Listed as Carcinogen or Potential Carcinogen

National Toxicology Program

Yes
No

IARC Monographs

Yes
No

OSHA

Yes
No

Emergency and First Aid Procedures (If symptoms persist, call a physician)

1 Inhalation Remove to fresh air. Apply artificial respiration if needed.2. Eyes Flush with large amounts of water.3. Skin Wash with soap and water - Remove contaminated clothing.4. Ingestion Do not induce vomiting.**7. SPILL OR LEAK PROCEDURES**

Precautions to be taken in Handling and Storage

Store in a cool dry area.

Steps to be taken in case

Materials is released or spilled

Remove sources of ignition, ventilate area. Absorb liquid and put in a vapor tight container.

Waste Disposal Partially used and unused aerosols are hazardous waste if discarded. Dispose in conformance with Federal & State regulations.

8. SPECIAL PRECAUTIONS AND USE DIRECTIONSAerosols may explode if exposed to temperatures over 130°F.PREPARED BY: A. B. Reed

ORIGINAL DATE OR DATE OF REVISION

9-89