

Health	2
Flammability	4
Reactivity	0
Personal Protection	*

# BOWMAN DISTRIBUTION

## MATERIAL SAFETY DATA SHEET

Health	1
Flammability	4
Reactivity	0
Specific Hazard	

HMS Ratings  
\*See Section VIII.

### SECTION I

NFPA Ratings  
NFPA 308 Level: 3

PRODUCT NAME <b>SILICONE LUBE</b>		BOWMAN PART NO. <b>21900</b> (page 1 of 2)
SUPPLIER <b>Bowman Distribution, Barnes Group Inc.</b>	INFORMATION TELEPHONE NO. <b>(216) 416-7200</b>	24 HR. EMERGENCY TELEPHONE NO. <b>(303) 623-5716</b>
ADDRESS <b>1301 E. 9th St., Suite 700, Cleveland, Ohio 44114-1824</b>		DATE <b>11/30/99</b>
HAZARDOUS MATERIAL DESCRIPTION, PROPER SHIPPING NAME, HAZARD CLASS, HAZARD ID NO. (49 CFR 172.101) <b>Consumer Commodity, ORM-D</b>		
ADDITIONAL HAZARD CLASSES (as applicable) <b>None</b>		
CHEMICAL FAMILY <b>Mixture</b>	FORMULA <b>TM 2816</b>	

### SECTION II - HAZARDOUS INGREDIENTS

CAS REGISTRY NUMBER	%W	%V	CHEMICAL NAME(S)	OSHA PEL	ACGIH TLV	Other Limits	Listed as Carcinogen NTP, IARC or OSHA 1910(z) (specify)
63148-62-9	1-10		Silicone	N.E.	N.E.	N.E.	NO
8052-41-3	1-10		Odorless Mineral Spirits	100	100	N.E.	NO
110-54-3	40-50		* n-Hexane	500	50	N.E.	NO
74-98-6	45-55		Propane/Isobutane/n-Butane	1000	1000	Asphyxiant	NO

CHEMICAL COMPOUNDS MARKED WITH AN ASTERISK (\*) ARE TOXIC CHEMICALS SUBJECT TO THE REPORTING REQUIREMENTS OF SECTION 313 OF TITLE III OF THE SUPERFUND AMENDMENTS AND REAUTHORIZATION ACT (SARA) OF 1986 AND 40 CFR PART 372.

### SECTION III - PHYSICAL DATA

BOILING POINT - 7.1 to 325 °F _____ °C	SPECIFIC GRAVITY (H <sub>2</sub> O = 1) 0.6	MAXIMUM PERCENT VOC BY WEIGHT (%) % 96 Method used Calculated
VAPOR PRESSURE @ 70 °F _____ °C _____ mm Hg <input checked="" type="checkbox"/> psi	PERCENT VOLATILE BY VOLUME (%) N.E.	
VAPOR DENSITY (AIR = 1) 4.0	EVAPORATION RATE (Butyl Acetate = 1) > 1	
SOLUBILITY IN WATER Nil.	PH = N.A.	PERCENT SOLID BY WEIGHT (%) N.E.
APPEARANCE AND ODOR Clear/solvent odor.	MATERIAL IS: LIQUID, GAS.	

### SECTION IV - FIRE AND EXPLOSION HAZARD DATA

FLASH POINT 156 °F _____ °C	method used TCC	FLAMMABLE LIMITS	LEL 1.9	UEL 9.5
EXTINGUISHING MEDIA Water fog, dry chemical, foam, carbon dioxide.				
SPECIAL FIRE FIGHTING PROCEDURES Keep containers cool. Use equipment or shielding required to protect against bursting or venting containers.				
UNUSUAL FIRE AND EXPLOSION HAZARDS Heated cans may burst.				

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N.A. - Not Applicable  
N.E. - Not Established  
N.D. - Not Determined



## SECTION V - HEALTH HAZARD DATA

<b>HEALTH HAZARDS (ACUTE AND CHRONIC - INCLUDE TARGET ORGAN EFFECTS)</b> May cause dizziness or narcosis in high vapor concentrations. Will cause defatting of skin. Effects are reversible. Long-term exposure (years) to high concentrations of vapor may cause lung, liver, or kidney damage. The solvents listed have been reported to affect the central nervous system. Aspiration hazard if swallowed. Eye and skin irritant. May irritate respiratory tract. Deliberately concentrating and inhaling the vapor of the contents may be harmful or fatal.	
<b>CONDITIONS TO AVOID</b> See Above.	
<b>SIGNS AND SYMPTOMS OF OVEREXPOSURE</b> Inhalation: Difficulty in breathing. Skin: Redness. Ingestion: Vomiting.	
<b>PRIMARY ROUTES OF ENTRY</b> Inhalation <input checked="" type="checkbox"/> Skin Contact <input checked="" type="checkbox"/> Other (specify) Ingestion	
<b>EMERGENCY AND FIRST AID PROCEDURES</b> Give Oxygen. Do not induce vomiting. Wash eyes and skin with water for 15 minutes. Get medical help.	
<b>MEDICAL CONDITIONS AGGRAVATED BY EXPOSURE</b> Heart disease, respiratory disorders.	

## SECTION VI - REACTIVITY DATA

STABILITY	UNSTABLE		CONDITIONS TO AVOID
	STABLE	X	High Temperatures.
<b>INCOMPATIBILITY (materials to avoid)</b> Strong oxidizers.			
<b>HAZARDOUS DECOMPOSITION PRODUCTS:</b> Carbon dioxide, Silicon dioxide.			
HAZARDOUS POLYMERIZATION	MAY OCCUR		CONDITIONS TO AVOID
	WILL NOT OCCUR	X	None

## SECTION VII - SPILL OR LEAK PROCEDURES

<b>STEPS TO BE TAKEN IN CASE MATERIAL IS RELEASED OR SPILLED</b> Use absorbent sweeping compound to soak-up material. Put into container. Dispose as hazardous waste.	
<b>WASTE DISPOSAL METHOD</b> Dispose as hazardous waste in accordance with EPA RCRA.	
<b>CERCLA (Superfund) REPORTABLE QUANTITY (in lbs.)</b> N.E.	
<b>RCRA HAZARDOUS WASTE NO. (40 CFR 261.33)</b> D001	
<b>VOLATILE ORGANIC COMPOUND (VOC)</b> as packaged, minus water)	<input checked="" type="checkbox"/> Theoretical <u>4.8</u> lb/gal <input type="checkbox"/> Analytical _____ lb/gal

## SECTION VIII - SPECIAL PROTECTION INFORMATION

<b>RESPIRATORY PROTECTION (specify type)</b> Use NIOSH approved respirator if TLV limit is exceeded.		
VENTILATION	<b>LOCAL EXHAUST (specify rate)</b> Yes	<b>SPECIAL</b> None
	<b>MECHANICAL (general) (specify rate)</b> None	<b>OTHER</b> None
<b>PROTECTIVE GLOVES (specify type)</b> None required, if spraying.		<b>EYE PROTECTION (specify type)</b> Safety glasses.
<b>OTHER PROTECTIVE EQUIPMENT</b> Long sleeves, long pants.		<b>WORK/HYGIENIC PRACTICES</b> Do not smoke while using. Wash hands after using.

## SECTION IX - SPECIAL PRECAUTIONS

<b>PRECAUTIONS TO BE TAKEN IN HANDLING AND STORING</b> Keep away from heat, sparks, or open flames. Store at temperatures below 120° F.	
<b>OTHER PRECAUTIONS</b> When spraying more than one half can continuously or more than one can consecutively, use NIOSH-approved respirator.	