

BACHARACH, INC.
MATERIAL SAFETY DATA SHEET

This Material Safety Data Sheet has been prepared to comply with the EC Directive, Canadian WHMIS and OSHA Hazard Communication Regulations.

SECTION 1: PRODUCT AND COMPANY IDENTIFICATION

BACHARACH, INC.
 (CHEMTREC)
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PRODUCT NAME: PUMP LUBRICANT(RHODORSIL SILICONE FLUID)

PRODUCT NUMBER: 21-0040

MSDS NUMBER: 99-0092

REVISION NUMBER: 6

MSDS DATE OF PREPARATION/REVISION: 04-06-00

SECTION 2: COMPOSITION/ INFORMATION INGREDIENTS

<u>Component</u>	<u>CAS#</u>	<u>Percentage</u>	<u>Exposure Limits</u>
Dimethyl Polysiloxane	Proprietary	100	None Established

SECTION 3: HAZARDS IDENTIFICATION

EMERGENCY OVERVIEW:

Clear viscous liquid with no odor. Contact may cause mild reversible irritation to the eyes.

ACUTE HEALTH HAZARDS:

EYE CONTACT: May cause mild, transient discomfort.

SKIN CONTACT: Non-irritating to intact or abraded skin.

INHALATION: Not volatile. Inhalation of mists may cause minor temporary irritation to nose, throat and respiratory passages. Exposure to formaldehyde produced from decomposition may cause eye and throat irritation.

INGESTION: Animal tests indicate very low oral toxicity.

CHRONIC HEALTH EFFECTS: No chronic effects are known to result from exposure to this product. Under certain conditions, this material may generate formaldehyde. Exposure to formaldehyde may cause skin and respiratory sensitization and increase the risk of nasal and respiratory cancer.

CARCINOGEN STATUS: None of the components is listed as a carcinogen or suspected carcinogen by IARC, NTP or OSHA. Formaldehyde, which may result from decomposition, is listed as a potential carcinogen by IARC, OSHA, ACGIH and NTP.

MEDICAL CONDITIONS AGGRAVATED BY EXPOSURE: None currently known.

SEE SECTION 11 - TOXICOLOGICAL INFORMATION FOR ADDITIONAL DATA

SECTION 4: FIRST AID

EYE CONTACT: Flush thoroughly with copious amounts of running water for 15 minutes. Get medical attention if irritation develops.

SKIN CONTACT: Wash well with soap and water. Remove contaminated clothing and launder before re-use. Get medical attention if irritation develops.

INHALATION: Due to the low volatility of this material, overexposure is very unlikely. If irritation develops, remove to fresh air and get medical attention.

INGESTION: Never give anything by mouth to or induce vomiting in an unconscious or convulsing person. Give 1-2 glasses of water. Get immediate medical attention.

SECTION 5: FIRE AND EXPLOSION HAZARD DATA

FLASH POINT: 570°F (299°C) **TEST METHOD:** TCC
AUTOIGNITION TEMPERATURE: Not available
FLAMMABLE LIMITS: **LEL:** N/A **UEL:** N/A
EXTINGUISHING MEDIA: Use foam, carbon dioxide or dry chemical. Cool exposed containers with water.
SPECIAL FIRE FIGHTING PROCEDURES: Firefighters should wear NIOSH approved positive pressure self contained breathing apparatus and full protective clothing.
UNUSUAL FIRE AND EXPLOSION HAZARDS: Decomposition products may be hazardous. Closed containers exposed to high temperatures may rupture.
HAZARDOUS COMBUSTION PRODUCTS: Thermal decomposition may release carbon monoxide, carbon dioxide and silicone oxides, including dimethylcyclsiloxanes and methylphenylcyclsiloxanes. When heated above 300° F, formaldehyde may be produced.

SECTION 6: ACCIDENTAL RELEASE MEASURES

Absorb with an absorbent or scrape up and place into a closed container. Clean up residual material with an appropriate solvent, provided there is good ventilation.

SECTION 7: HANDLING AND STORAGE

WORK PRACTICES: Avoid contact with the eyes prolonged skin contact. Avoid breathing mists or vapors. Wash hands thoroughly with soap and water after handling. Do not eat, drink or smoke in the work area.

SPECIAL PRECAUTIONS: Keep containers closed and away from excessive heat and moisture.

STORAGE: Store in a cool, dry place away from incompatible substances. Keep containers tightly closed to prevent contamination.

SECTION 8: EXPOSURE CONTROLS/PERSONAL PROTECTION

VENTILATION: Good general room ventilation is usually adequate.

RESPIRATORY PROTECTION: None should be needed under normal conditions and ambient temperatures. If significant quantities of mist are generated, a NIOSH/MSHA approved dust/mist respirator is recommended. For firefighting, use a self contained breathing apparatus.

GLOVES: Wear impervious gloves such as neoprene or rubber if prolonged contact may occur.

EYE PROTECTION: Safety glasses with side shields or chemical safety goggles.

OTHER PROTECTIVE EQUIPMENT: Protective coveralls or apron if contact is likely to keep personal clothing clean.

SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES

APPEARANCE AND ODOR: Clear viscous liquid, odorless.

pH: N/A

BOILING POINT: N/D

MELTING POINT: -65°C

SOLUBILITY IN WATER: Insoluble

COEFFICIENT WATER/OIL: Not available

SPECIFIC GRAVITY: 0.96 @ 25°C

VAPOR PRESSURE: <0.01 mm Hg @ 20°C

VAPOR DENSITY: N/A

PERCENT VOLATILE: N/D

SECTION 10: STABILITY AND REACTIVITY

STABILITY: Stable

CONDITIONS TO AVOID: Avoid heat, sparks and open flame.

INCOMPATIBILITY: Avoid contact with strong acids, strong bases and strong oxidizing agents.

HAZARDOUS DECOMPOSITION PRODUCTS: Thermal decomposition may release carbon monoxide, carbon dioxide and silicone oxides, including dimethylcyclsiloxanes and methylphenylcyclsiloxanes. When heated above 300° F, formaldehyde may be produced. Formaldehyde is a skin and respiratory sensitizer, eye and throat irritant, acute toxin and potential carcinogen.

HAZARDOUS POLYMERIZATION: Will not occur.

CONDITIONS TO AVOID: Not applicable.

SECTION 11: TOXICOLOGICAL INFORMATION

ACUTE TOXICITY DATA: Polydimethylsiloxane: LD50 oral rat: > 5,000 mg/kg.

LD50 skin rat: >2,000 mg/kg.

IRRITANCY DATA: Slightly irritating to rabbit eyes. Non-irritating to rabbit skin. This is based on data from a similar product with a lower viscosity.

SENSITIZATION: This material has not been reported to cause sensitization in animals or humans.

REPRODUCTIVE TOXICITY: This material has not been reported to cause reproductive toxicity in animals or humans.

TERATOGENICITY: This material has not been reported to cause teratogenic effects in animals or humans.

MUTAGENICITY: This product has not been found to be mutagenic.

SYNERGISTIC EFFECTS: There are no chemicals known to cause any additive adverse health effects.

SECTION 12: ECOLOGICAL INFORMATION

The ecological effects of this product have not been evaluated.

SECTION 13: DISPOSAL

Dispose in accordance with all local, state and federal regulations.

RCRA HAZARDOUS WASTE CODES: None

SECTION 14: TRANSPORTATION DATA

US DOT SHIPPING NAME: Not Regulated

DOT LABELS REQUIRED: N/A

EMERGENCY RESPONSE GUIDE NUMBER: N/A

IATA SHIPPING NAME: Not Regulated

IATA LABELS REQUIRED: N/A

SECTION 15: OTHER REGULATORY INFORMATION

SARA 311/312: Hazard Categories for SARA Section 311/312 Reporting: None

SARA 313: This product contains the following chemicals subject to Annual Release Reporting Requirements under SARA Section 313 (40 CFR 372): None

CERCLA SECTION 103 REPORTABLE QUANTITY: This product is not subject to CERCLA reporting requirements. Many states have more stringent release reporting requirements. Report spills required under federal, state and local regulations.

CALIFORNIA PROPOSITION 65: This product contains the following substances known to the State of California to cause Cancer and/or Reproductive Harm: None

US TOXIC SUBSTANCES CONTROL ACT: All of the components of this product are listed on the EPA TSCA Inventory.

CANADIAN ENVIRONMENTAL PROTECTION ACT: All of the components of this product are listed on the Canadian Domestic Substances List.

EUROPEAN INVENTORY OF COMMERCIAL CHEMICAL SUBSTANCES: All of the components of this product are listed on the EINECS Inventory.

JAPAN MITI: All of the components of this product are existing chemical substances as defined in the Chemical Substance Control Law.

AUSTRALIAN INVENTORY OF CHEMICAL SUBSTANCES: All of the components of this product are listed on the AICS Inventory.

CANADIAN WHMIS CLASSIFICATION: Not a controlled product.
This product has been classified in accordance with the hazard criteria in the CPR and the MSDS contains all the information required by the CPR.

EUROPEAN COMMUNITY LABELING CLASSIFICATION: N/A
EUROPEAN COMMUNITY RISK AND SAFETY PHRASES: None

SECTION 16: OTHER INFORMATION

NFPA HAZARD RATING: **HEALTH:** 1 **FIRE:** 1 **REACTIVITY:** 0

DATE OF LATEST MSDS REVISION: 03-14-97

REVISION SUMMARY: Format Update, Section 3, 5, 6, 7, 8, 9, 10, 11, 15, 16

The preceding information is believed to be correct and current as of the date of preparation of this Material Safety Data Sheet. Since the use of this information and the conditions of use of the product are not within the control of Bacharach, Inc., it is the users obligation to assure safe use of this product.