

# SAFETY DATA SHEET

Date Issued : 04/27/2016

MSDS No : chemsifls10

## Chemplex Silicone Fluid S 10

### 1. PRODUCT AND COMPANY IDENTIFICATION

**PRODUCT NAME:** Chemplex Silicone Fluid S 10**GENERAL USE:** Lubricant**MANUFACTURER**

Dow Corning Corporation  
South Saginaw Road  
Midland, MI 48686

**DISTRIBUTOR**

Fuchs Lubricants Canada Ltd  
Pacific Division  
19829 - 99A Avenue  
Langley, BC V1M 3G4

**24 HR. EMERGENCY TELEPHONE NUMBERS**

604-888-1552

### 2. HAZARDS IDENTIFICATION

**POTENTIAL HEALTH EFFECTS**

**EYES:** This product is not expected to cause eye irritation under normal conditions of use. Symptoms of eye irritation and redness may result upon direct contact or when exposed to high mist levels in poorly ventilated areas.

**SKIN:** Short term skin contact is not expected to cause skin irritation. Prolonged or repeated direct exposure to the skin may result in symptoms of irritation and redness. In severe cases, prolonged or repeated contact may result in dermatitis accompanied by symptoms of irritation, itching, dryness, cracking and/or inflammation.

**INGESTION:** Ingestion may cause gastrointestinal irritation, nausea, vomiting and diarrhea.

**INHALATION:** This product has a low volatility and so is not expected to cause respiratory tract irritation during normal conditions of use. Exposure to high mist or vapor levels in poorly ventilated areas may cause irritation to the upper respiratory tract.

**CARCINOGENICITY:** This product is not listed as a known or suspected carcinogen by IARC, OSHA, or the NTP.

**ROUTES OF ENTRY:** Inhalation, Ingestion

**IRRITANCY:** No further data known.

### 3. COMPOSITION / INFORMATION ON INGREDIENTS

**WHMIS CLASS:** Not controlled under WHMIS

### 4. FIRST AID MEASURES

**EYES:** Upon direct eye contact, hold eyelids open and flush with a steady, gentle stream of water for at least 15 minutes. If irritation is due to exposure to mist or vapors, remove the individual to fresh air. If

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irritation persists, flush the eyes with clean water until the irritation subsides. If symptoms persist, contact a physician.

**SKIN:** In case of contact, immediately wash skin with plenty of water while removing contaminated clothing and shoes. If symptoms of exposure persist, contact a physician. Thoroughly wash or discard clothing and shoes before reuse.

**INGESTION:** If ingested, dilute stomach contents with two glasses of water or milk. (Note: Do not give anything by mouth to an unconscious person.) Do not induce vomiting without medical supervision. If vomiting occurs spontaneously, keep airway clear. If symptoms persist, seek medical attention.

**INHALATION:** If respiratory irritation occurs, remove employee to fresh air. If symptoms persist, seek immediate medical attention.

### SIGNS AND SYMPTOMS OF OVEREXPOSURE

**ACUTE EFFECTS:** See potential health effects section above.

## 5. FIRE FIGHTING MEASURES

**EXTINGUISHING MEDIA:** In accordance with NFPA guidance, dry chemical, foam, or CO2 fire extinguishers are all acceptable. Note that while water fog extinguishers are also acceptable, do NOT apply a direct stream of water onto burning product because it may cause spreading and increase fire intensity.

**HAZARDOUS COMBUSTION PRODUCTS:** Combustion byproducts may include oxides of carbon, oxides of silicone, formaldehyde, and incompletely burned hydrocarbons in the form of fumes and smoke.

**EXPLOSION HAZARDS:** No further data known.

**FIRE FIGHTING EQUIPMENT:** Emergency responders in the danger area should wear bunker gear and self-contained breathing apparatus for fires beyond the incipient stage. See Section 8 of the MSDS for other PPE to be worn as conditions warrant.

**SENSITIVE TO STATIC DISCHARGE:** No.

**SENSITIVITY TO IMPACT:** No.

## 6. ACCIDENTAL RELEASE MEASURES

**SMALL SPILL:** Small volumes or residues may be soaked up with absorbent material.

**LARGE SPILL:** Large volumes of material should be collected in an appropriate waste container for proper disposal.

**GENERAL PROCEDURES:** Safely contain the spill with dikes or other appropriate spill response equipment. Prevent spreading of product and/or release into the environment. Disposal of any spill response materials should meet appropriate waste regulations.

## 7. HANDLING AND STORAGE

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**HANDLING:** As with any industrial chemical, handle the product in a manner that minimizes exposure to practicable levels. Prior to handling, consult Section 8 of this MSDS to evaluate personal protective equipment needs. Open containers slowly to relieve any pressure. Follow all other standard industrial hygiene practices. Empty containers may contain product residue. All safety precautions taken when handling this product should also be taken when handling empty drums and containers. Keep containers closed when not in use. Product residue in empty containers is combustible but will not readily burn. NOTE however, that excessive heating or cutting of empty containers may create an ignition source sufficient to start a fire and in extreme cases, cause an explosion.

**STORAGE:** Protect product quality by storing indoors and away from extreme temperatures. Close all containers when not in use.

### 8. EXPOSURE CONTROLS / PERSONAL PROTECTION

**ENGINEERING CONTROLS:** Good general ventilation should be sufficient. It is recommended that ventilation be designed to maintain airborne concentrations at lowest practicable levels. Ventilation should at a minimum, prevent airborne concentrations from exceeding any exposure limits listed in Section 8 of this MSDS.

#### PERSONAL PROTECTIVE EQUIPMENT

**EYES AND FACE:** Wear eye protection appropriate to prevent eye exposure. Where splashing is not likely, chemical safety glasses with side shields are recommended. Where splashing may occur, chemical goggles or full face shield is recommended.

**SKIN:** Oil or chemical resistant gloves such as butyl or nitrile are recommended. Where splashing or soaking is likely, wear oil or chemical resistant clothing to prevent exposure.

**RESPIRATORY:** A respirator may be worn to reduce exposure to vapors, dust, or mist. Select a NIOSH approved air purifying respirator for the type of physical character of the airborne material. A self-contained breathing apparatus is recommended in all situations where airborne contaminant concentration has not been confirmed to be below safe levels. Respirator should comply with CSA Standard Z94.4-93: Selection, Use and Care of Respirators.

### 9. PHYSICAL AND CHEMICAL PROPERTIES

**PHYSICAL STATE:** Liquid

**ODOR:** None.

**ODOR THRESHOLD:** N.D.

**APPEARANCE:** Clear colourless

**pH:** N. A.

**FLASHPOINT AND METHOD:** 163°C COC (Cleveland Open Cup)

**FLAMMABLE LIMITS:** N.D. to N.D.

**AUTOIGNITION TEMPERATURE:** N.D.

**VAPOR PRESSURE:** N.D.

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**VAPOR DENSITY:** N.D.**BOILING POINT:** N.D.**FREEZING POINT:** N.D.**SOLUBILITY IN WATER:** Insoluble**PARTITION COEFFICIENT: N-OCTANOL/WATER:** N.D.**EVAPORATION RATE:** N.D.**SPECIFIC GRAVITY:** 0.934 @ 15.6 °C**VISCOSITY #1:** 10 cSt @ 25 °C

### 10. STABILITY AND REACTIVITY

**REACTIVITY:** Yes**HAZARDOUS POLYMERIZATION:** No**CONDITIONS TO AVOID:** Avoid contact with incompatible materials and exposure to extreme temperatures.**HAZARDOUS DECOMPOSITION PRODUCTS:** Thermal decomposition products are dependant on combustion conditions. A complex mixture of airborne solid, liquid, particulate and gasses may evolve when the material burns. Refer to section 5 of this MSDS for hazardous combustion products.**INCOMPATIBLE MATERIALS:** This product is incompatible with strong oxidizing agents.

### 11. TOXICOLOGICAL INFORMATION

#### ACUTE TOXICITY

**ORAL LD<sub>50</sub>:** Not Determined.**INHALATION LC<sub>50</sub>:** Not Determined.**RESPIRATORY OR SKIN SENSITISATION:** No further data known.**GERM CELL MUTAGENICITY:** No further data known.**REPRODUCTIVE TOXICITY:** No further data known.**COMMENTS:** Please refer to Section 2 of this MSDS for further toxicological properties.

### 12. ECOLOGICAL INFORMATION

**ENVIRONMENTAL DATA:** The degree of biodegradability and persistence of this product has not been determined.**ECOTOXICOLOGICAL INFORMATION:** This product has not been evaluated for ecotoxicity. As with any industrial chemical, exposure to the environment should be prevented and minimized wherever possible.

### 13. DISPOSAL CONSIDERATIONS

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**DISPOSAL METHOD:** Ensure that collection, transport, treatment and disposal of waste product, containers and rinsate complies with all applicable laws and regulations. Note that use, mixture, processing or contamination of the product may cause the material to be classified as a hazardous waste. It is the responsibility of the product user or owner to determine at the time of disposal, whether the product is regulated as a hazardous waste.

### 14. TRANSPORT INFORMATION

**CANADA TRANSPORT OF DANGEROUS GOODS:** This product is not regulated by T.D.G.

### 15. REGULATORY INFORMATION

#### CANADA

**WHMIS (WORKPLACE HAZARDOUS MATERIALS INFORMATION SYSTEM):** This product has been classified in accordance with the hazard criteria of the CPR and the MSDS contains all of the information required by the CPR.

**WHMIS CLASS:** Not controlled under WHMIS

### 16. OTHER INFORMATION

**PREPARED BY:** H & S Dept.

**MANUFACTURER SUPPLEMENTAL NOTES:** Abbreviations used: N. Av. = Not Available, N.A. = Not Applicable, N.D. = Not Determined

**MANUFACTURER DISCLAIMER:** The information contained herein is to the best of knowledge and believed to be accurate. However, since the condition of handling and use are beyond our control we make no guarantee of results, and assume no responsibility for damages incurred through use of this material. It is the responsibility of the user to comply with all Federal, Provincial and local laws and regulations. Physical data is intended solely for use in evaluating the product with respect to WHMIS and does not constitute a product specification.