

SAFETY DATA SHEET

Confirms to OSHA Hazard Communication Standard (CFR 29 1910.1200) HazCom 2012



Product: MicroLube-C™ Instrument Lubricant Concentrate- SPAWIN5L

Revision Date: 30-Apr-2014

SECTION 1 – IDENTIFICATION

Product Identifier

Product Name: MicroLube-C™ Instrument Lubricant Concentrate

Product Code: SPAWIN5L

Recommended Use of the Chemical and Restrictions for Use

Recommended Use: Lubricant

Restrictions for Use: Use only as directed.

Details of the Supplier

Manufactured for: Micro-Scientific
755 Tri State Pkwy
Gurnee, IL 60031 USA
1-224-656-6502

Emergency Phone Number

24-Hour Number: 1-800-424-9300

International: 1-703-527-3887

SECTION 2 – HAZARDS IDENTIFICATION

Classification

| Hazard Class | Category |
|-------------------|----------|
| Aspiration hazard | 1 |

Label Elements

Hazard Symbols(s):



Signal Word(s): Danger

Hazard Statement(s): May be fatal if swallowed and enters airways.

Precautionary Statements: If swallowed: Immediately call a poison center/doctor. Do NOT induce vomiting. Store locked up. Dispose of contents and container in accordance with all local, regional, nation and international regulations.

Other Hazards

4% of the mixture consists of ingredient(s) of unknown acute toxicity.

SECTION 3 – COMPOSITION / INFORMATION ON INGREDIENTS

| Chemical Name | CAS Number | Wt % |
|------------------------------|------------|-------|
| White mineral oil, petroleum | 8042-47-5 | 10-30 |

The exact percentage (concentration) of composition has been withheld as a trade secret in accordance with paragraph (i) of §1910.1200.

SECTION 4 – FIRST AID MEASURES

First Aid Measures

Inhalation: If breathing is difficult, remove victim to fresh air and keep at rest in a position comfortable for breathing. Get medical advice/attention if you feel unwell.

Eye Contact: Rinse immediately with water, remove contact lenses after 5 minutes, if present. Continue flushing eyes for at least 15 minutes. If irritation persists, seek medical attention immediately.

Ingestion: Do not induce vomiting unless directed to do so by medical personnel. Never give anything by mouth to an unconscious person. Get medical attention immediately.

SAFETY DATA SHEET

Confirms to OSHA Hazard Communication Standard (CFR 29 1910.1200) HazCom 2012

Product: MicroLube-C™ Instrument Lubricant Concentrate- SPAWIN5L

Revision Date: 30-Apr-2014

Skin: Wash with soap and water. Remove contaminated clothing and shoes. Wash clothing before reuse. If irritation persists, seek medical attention.

Most Important Symptoms and Effects (Acute and Delayed)

Inhalation: May cause respiratory tract irritation.

Eye Contact: May cause eye irritation. Symptoms may include discomfort or pain, excess blinking and tear production, with possible redness and swelling.

Ingestion: May be harmful if swallowed and enters airways. This product may be aspirated into the lungs and cause chemical pneumonitis. May cause stomach distress, nausea, or vomiting.

Skin: May cause skin irritation. Symptoms may include redness, drying, defatting and cracking of the skin. May cause sensitization by skin contact.

Indication of any Immediate Medical Attention and Special Treatment Needed

Note to Physician: Treat symptomatically. Symptoms may not appear immediately. In case of accident or if you feel unwell, seek medical advice immediately (show the label or SDS where possible).

SECTION 5 – FIRE FIGHTING MEASURES

Extinguishing Media

Suitable: Treat for surrounding material.

Unsuitable: None known.

Specific Hazards Arising from Chemical

Products of combustion include but are not limited to oxides of carbon.

Protective Equipment and Precautions for Firefighters

Wear full fire fighting turn-out gear (full Bunker gear) and respiratory protection (SCBA). Keep upwind of fire.

SECTION 6 – ACCIDENTAL RELEASE MEASURES

Personal Precautions, Protective Equipment, and Emergency Procedures

Personal Precautions: Use personal protective equipment as recommended in Section 8. Isolate the hazard area and deny entry to unnecessary and unprotected personnel.

Environmental Precautions: See Section 12 for ecological information.

Methods and Material for Containment and Cleaning Up

Contain and/or absorb spill with inert material (e.g. sand, vermiculite), then place in a suitable container. Do not flush to sewer or allow to enter waterways. Use appropriate Personal Protective, Equipment (PPE). See Section 13 for additional advice on waste disposal.

SECTION 7 – HANDLING AND STORAGE

Precautions for Safe Handling

Handling: Avoid contact with skin and eyes. Avoid breathing vapor or mist. Do not swallow. Handle in accordance with good industrial hygiene and safety practice. Wash hands after use. Do not eat, drink, or smoke when using this product.

General Hygiene Advice: Launder contaminated clothing before reuse. Wash hands before eating, drinking, or smoking.

Conditions for Safe Storage, Including any Incompatibilities

Storage Conditions: Keep container closed when not in use. Store in a dry, cool, and well-ventilated area. Keep out of reach of children.

Incompatible Materials: None known.

SECTION 8 – EXPOSURE CONTROLS/PERSONAL PROTECTION

Control Parameters

No data available

Exposure Guidelines:

SAFETY DATA SHEET

Conforms to OSHA Hazard Communication Standard (CFR 29 1910.1200) HazCom 2012

Product: MicroLube-C™ Instrument Lubricant Concentrate- SPAWIN5L

Revision Date: 30-Apr-2014

| Chemical Name | ACGIH TLV | OSHA PEL | NIOSH IDLH |
|--|---------------|---------------|---------------|
| White Mineral Oil, petroleum (8042-47-5) | Not available | Not available | Not available |

Appropriate Engineering Controls

Apply technical measures to comply with occupational exposure limits. Use ventilation adequate to keep exposure (airborne levels of dust, fume, vapor, etc.) below recommended exposure limits.

Individual Protection Measures

Respiratory Protection: Not required under normal use conditions. Ensure adequate ventilation, especially in confined areas.

Skin and Body Protection: Wear suitable protective clothing. Wear chemical resistant protective gloves.

Eye/Face Protection: Safety glasses or goggles are recommended when using product.

General Work/Hygienic Practices: Handle in accordance with good industrial hygiene and safety practice. Do not eat, smoke or drink where material is handled, processed or stored. Wash hands carefully before eating or smoking. Handle according to established industrial hygiene and safety practices.

SECTION 9 – PHYSICAL AND CHEMICAL PROPERTIES

Appearance: White liquid

Odor: None

Odor threshold: Not determined

pH: 6.3

Melting point/freezing point: Not determined

Initial boiling point and boiling range: Not determined

Flash point: >93.3°C (>200 °F) TCC

Evaporation rate: Not determined

Flammability (solid, gas): Not flammable

Upper/lower flammability or explosive limits: Not determined

Vapor pressure: Not determined

Vapor density: Not determined

Relative density: 0.97

Solubility(ies): Not determined

Partition coefficient (n-octanol/water): Not determined

Auto-ignition temperature: Not determined

Decomposition temperature: Not determined

Viscosity: Not determined

SECTION 10 – STABILITY AND REACTIVITY

Reactivity: Not reactive under normal conditions.

Chemical stability: Stable under recommended storage conditions.

Possibility of hazardous reactions: None under normal use.

Conditions to avoid: Heat.

Incompatible materials: None known.

Hazardous decomposition products: May include and are not limited to oxides of carbon.

SECTION 11 - TOXICOLOGICAL INFORMATION

Information on Toxicological Effects

Likely Routes of Exposure: Inhalation, skin contact, eye contact, ingestion

SAFETY DATA SHEET

Confirms to OSHA Hazard Communication Standard (CFR 29 1910.1200) HazCom 2012

Product: MicroLube-C™ Instrument Lubricant Concentrate- SPAWIN5L

Revision Date: 30-Apr-2014

Information Related to Physical, Chemical, and Toxicological Effects

See Section 4 of this SDS.

Delayed and Immediate Effects as well as Chronic Effects from Short and Long-term Exposure

Carcinogenicity: NTP: No IARC: No OSHA: No

Numerical Measures of Toxicity

| Instrument Lubricant | |
|----------------------|---------------------|
| ATE (oral) | >2000 mg/kg, rat |
| ATE (dermal) | >2000 mg/kg, rabbit |
| ATE (inhalation) | Not determined |

Component Information:

| Chemical Name | Oral LD50 | Dermal LD50 | Inhalation LC50 |
|--|-------------------|----------------------|-----------------|
| White mineral oil, petroleum (8042-47-5) | >5000 mg/kg (rat) | >2000 mg/kg (rabbit) | >5 mg/L 4h |

SECTION 12 - ECOLOGICAL INFORMATION

Ecotoxicity: Not established

Persistence and degradability: Not established

Bioaccumulative potential: Not established

Mobility in soil: No additional information available.

Other adverse effects: No additional information available

SECTION 13 – DISPOSAL CONSIDERATIONS

See section 8 of this SDS for exposure controls and personal protection.

Dispose of the product and container in accordance with all applicable local, state, and federal regulations. The generation of waste should be avoided or minimized wherever possible.

SECTION 14 – TRANSPORT INFORMATION

Note: Classification changes based on quantity, packaging, and method of shipment. See current shipping paper for most up to date shipping information.

DOT (Ground): Not regulated

IATA (Air): Not regulated

IMDG (Vessel): Not regulated

SECTION 15 – REGULATORY INFORMATION

All ingredients in this product are listed or are excluded from listing on the US Toxic Substances Act (TSCA) Chemical Substance Inventory.

This product does not contain an amount of any chemical required to be reported under SARA 313.

SECTION 16 – OTHER INFORMATION

Issue Date: 30-Apr-2014

Revision Date: 30-Apr-2014

The information provided in this Safety Data Sheet is correct to the best of our knowledge, information, and belief at the date of its publication. The information given is designed only as guidance for safe handling, use, processing, storage, transportation, disposal, and release and is not to be considered a warranty or quality specification. The information relates only to the specific material designed and may not be valid for such material used in combination with any other materials or in any process, unless specified in the text.

End of Safety Data Sheet