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MATERIAL SAFETY DATA SHEET

HILTI, INC.: P.O. Box 21148, Tulsa, OK 74121; Ph: 1 800 879 6000; Emergency No.: 1 800 879 4444
PRODUCT NAME: Spray Lubricant
DESCRIPTION: Mixture of Petroleum Hydrocarbons

For: WISCONSIN * UNIVERSITY OF
ACCOUNTS-PAYABLE
WHITEWATER, WI 53190
P.O. No. 80903GDF

INGREDIENTS AND EXPOSURE LIMITS

INGREDIENTS:	CAS NUMBER:	PEL:	TLV:	STEL:
Mixed hydrocarbons / petroleum distillates	mixture	5 mg/m ³ *	5 mg/m ³ *	NE
Polyisobutylene	09003-27-4	NE	NE	NE
Di-2-ethylhexyl sodium sulfosuccinate	00577-11-7	NE	NE	NE

PEL = OSHA Permissible Exposure Limit. **TLV** = ACGIH Threshold Limit Value. These are 8 hour time-weighted averages unless otherwise indicated by "**C**" (Ceiling) or "**STEL**" (Short Term Exposure Limit). **NE** = None Established. **NA** = Not Applicable. * indicates as oil mist

PHYSICAL DATA

APPEARANCE AND ODOR: Amber liquid, petroleum-like odor
BOILING POINT: > 95° F/35° C
VAPOR PRESSURE: 5.1
EVAPORATION RATE: < 1
SPECIFIC GRAVITY: 0.84
VOC CONTENT: 453 g/l
MELTING POINT: Not Applicable
VAPOR DENSITY: > 1
SOLUBILITY IN WATER: < 0.1%
pH: Not Determined

FIRE AND EXPLOSION HAZARD DATA

FLASH POINT: 148°F (64°C), PMCC
EXTINGUISHING MEDIA: Water, CO₂, Dry Chemical, Foam
SPECIAL FIRE FIGHTING PROCEDURES: None known. A NIOSH-approved self-contained breathing apparatus (SCBA) should be worn when fighting fires involving chemicals.
UNUSUAL FIRE AND EXPLOSION HAZARDS: Combustible liquid. Thermal decomposition products can be produced under fire conditions. See below.
FLAMMABLE LIMITS: Not Applicable

REACTIVITY DATA

INCOMPATIBILITY: Strong acids and oxidizing agents
HAZARDOUS DECOMPOSITION PRODUCTS: Thermal decomposition can yield CO and CO₂
HAZARDOUS POLYMERIZATION: Will not occur.
CONDITIONS TO AVOID: Exposure to oxidizing materials and to fire conditions.
STABILITY: Stable

HEALTH HAZARD DATA

KNOWN HAZARDS: **Acute:** None known. **Chronic:** Prolonged and repeated contact with the skin can lead to irritation and possibly dermatitis.
SIGNS AND SYMPTOMS OF EXPOSURE: **Eyes** - Direct contact with the eyes can cause irritation but injury is unlikely. **Skin** - Continued (prolonged and repeated) contact with the skin can cause defatting, drying and/or cracking of the skin. **Inhalation** - No effects expected. Exposure to heated vapors can cause irritation. **Ingestion** - Not a likely route of exposure. Effects of ingestion have not been determined; however, ingestion is likely to cause irritation, nausea and diarrhea.
CARCINOGENICITY: No ingredients are classified by IARC, NTP, or OSHA as known or potential carcinogens.

PRIMARY ROUTES OF EXPOSURE: Dermal. Inhalation.

MEDICAL CONDITIONS AGGRAVATED BY EXPOSURE: Eye, skin, and respiratory conditions.

EMERGENCY AND FIRST AID PROCEDURES

EYES: Wash **immediately** with large amounts of clean water. Seek medical attention if any effects develop.

SKIN: Wash with soap and water. Seek medical attention if any effects persist.

INHALATION: No effects expected. If vapors or odor cause discomfort, move to fresh air. Call a physician if symptoms persist.

INGESTION: If conscious, give plenty of water to drink. Do not induce vomiting. Petroleum products, if aspirated into the lungs, can lead to chemical pneumonitis. Never give anything by mouth to an unconscious person. Contact a physician immediately.

OTHER: Referral to a physician is recommended if there is any question about the seriousness of the injury/exposure.

CONTROL MEASURES AND PERSONAL PROTECTIVE EQUIPMENT

VENTILATION: General (i.e., natural or mechanically induced fresh air movements that maintain vapor concentrations below recommended exposure limits).

EYE PROTECTION: Not required, however, safety glasses should be worn in most industrial settings.

SKIN PROTECTION: Gloves (cotton) are recommended while cleaning tools.

RESPIRATORY PROTECTION: Not normally required. The nature and intended use of this product does not warrant the need for respiratory protection.

PRECAUTIONS FOR SAFE HANDLING AND USE

HANDLING AND STORING PRECAUTIONS: Combustible. Keep away from ignition sources such as hot surfaces, flames, sparking equipment, etc.. Use with adequate ventilation. Store in a cool dry place and away from oxidizing agents. Avoid prolonged or repeated contact with the eyes, skin and clothing. Practice good hygiene; i.e. wash after using and before eating or smoking. For industrial use only. Keep out of reach of children.

SPILL PROCEDURES: Remove all sources of ignition. Absorb with towel, rags, etc. and place in a closed container for proper disposal. Keep away from sanitary sewers and other waterways.

REGULATORY INFORMATION

HAZARD COMMUNICATION: This MSDS has been prepared in accordance with the federal OSHA Hazard Communication Standard.

HMIS CODES: Health 1, Flammability 2, Reactivity 0, PPE B

DOT SHIPPING NAME: Not regulated

TSCA INVENTORY STATUS: Chemical components listed on TSCA inventory.

SARA TITLE III, SECTION 313: This product does not contain any toxic chemicals which are subject to reporting under Section 313 of SARA Title III (40 CFR Part 372).

WASTE DISPOSAL METHODS: Consult with regulatory agencies or corporate personnel for disposal methods that comply with local, state, and federal health and environmental regulations.

HEALTH / SAFETY CONTACTS: Steve Gerrard (x6309)
Jerry Metcalf (x6704)

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