



MATERIAL SAFETY DATA SHEET

I. PRODUCT INFORMATION

Trade Name: Vacuum Pump Lubricant SAE 10 501
Chemical names, common names: Petroleum hydrocarbon with additives
Manufacturer's Name: HURST CHEMICAL COMPANY
Address: 2500 San Fernando Road, Los Angeles, CA. 90065
DOT CLASSIFICATION: Lubricating oil (Not regulated)
For Product Information, call : (323) 223-4121
FOR EMERGENCY, CALL CHEMTREC, 24 HOUR: 800 424-9300

II. HAZARDOUS INGREDIENTS

<u>Chemical Names</u>	<u>CAS Number</u>	<u>Exposure Limits in Air</u> <u>ACGIH (TWA)</u>	<u>OSHA (PEL)</u>
Oil Mist, Mineral	8012-95-1	5 mg/m3	5 mg/m3

Section IIA - This product contains the following chemicals subject to reporting requirements of SARA 313 and 40 CFR 372.

<u>Listed Ingredients</u>	<u>CAS Number</u>	<u>Weight % Range</u>
NONE	NONE	NONE

III. PHYSICAL PROPERTIES

Vapor density (air = 1): >5
Solubility in water: < 0.1%
Evaporation rate (Bu Ac = 1): <1
Appearance and odor: Clear oily liquid, with lube oil odor.
Volatile Organic Content (VOC,EPA Method 24): 7 gm/l or 0.06 lb/gal
Specific Gravity: 0.8729
Density lb/gal: 7.28
VOC Composite Partial Pressure, mm Hg at 20°C: < 0.01
Boiling Range °F: > 550

IV. FIRE AND EXPLOSION

<u>HAZARD RANKING</u>	
HMIS	Health Hazard=1
HAZARD	Flammability=1
CLASS	Reactivity= 0
	Other = B
	0=Least
	1=Slight
	2=Moderate
	3 = High
	4=Extreme
	B=Safety Goggles and Gloves

Flash Point °F (COC Cleveland Open Cup): 400
Flammable limits in air, volume%: lower: 0.9 upper: 7.00
Fire extinguishing materials: Y water spray Y carbon dioxide Y foam
Y dry chemical N/A other

Special firefighting procedures: Combustible material; keep containers cool with water spray. Use supplied-air breathing equipment for enclosed or confined spaces or as otherwise needed.
Unusual fire and explosion hazard:. When heated above its flash point, this material will release flammable vapors which can burn in the open or be explosive in confined spaces if exposed to ignition source.

V. HEALTH HAZARD INFORMATION

SYMPTOMS OF OVEREXPOSURE FOR EACH POTENTIAL ROUTE OF EXPOSURE -

Inhaled: Product has a low degree of toxicity. Mists or vapors from heated material may cause irritation of the respiratory tract and mucous membranes.
Contact with skin or eyes: Irritation of eyes and skin. Prolonged or repeated skin contact tends to remove skin fat possibly leading to irritation and dermatitis.
Absorbed through skin: Product has a low order of acute dermal toxicity.
Swallowed: Product has a low degree of oral toxicity, but minute amounts aspirated into lungs during ingestion may cause mild to severe pulmonary injury.

HEALTH EFFECTS OR RISKS FROM EXPOSURE -

Acute: Possible irritation of eyes and skin under prolonged contact.

Chronic: None

FIRST AID: EMERGENCY PROCEDURES -

Eye contact: Flush eyes immediately with water for 15 minutes lifting upper and lower eyelids.

Skin contact: Wash promptly with soap and water.

Inhaled: Vapor inhalation under ambient temperature is normally not a problem. Remove from exposure to fresh air, apply artificial respiration, if necessary.

Swallowed: Seek medical advice. Give large quantities of water.

COMMENTS: This product contains no ingredients which are listed in the Federal OSHA, NTP, or IARC lists of suspected carcinogenic chemicals.

MEDICAL CONDITION AGGRAVATED BY EXPOSURE: n/a

RECOMMENDATIONS TO PHYSICIAN - n/a

VI. REACTIVITY DATA

Stability: Stable under ordinary conditions of use and storage.

Incompatibility (materials to avoid): Strong acids, alkalis, and oxidizers such as liquid chlorine, sodium hypochlorite or calcium hypochlorite and concentrated oxygen.

Hazardous decomposition products (including combustion products): Carbon monoxide, carbon dioxide, and oxides of nitrogen.

Hazardous polymerization: Will not polymerize under ordinary conditions of use and storage.

VII. SPILL, LEAK, AND DISPOSAL PROCEDURES

Spill response procedures: Eliminate ignition sources. Contain spills for salvage or disposal. Minimize dilution water to control spill volume. Avoid run-off into sewers and ditches.

Preparing wastes for disposal: Consult federal, state, and local regulations controlling proper disposal of lubricating oil.

VIII. SPECIAL HANDLING INFORMATION

Ventilation and engineering controls: Normal shop ventilation is adequate.

Respiratory Protection: In confined working atmosphere where mist is prevalent, use NIOSH-approved air-purifying respirator with mist filter.

Eye Protection: Use safety goggles where solvent splashes are expected.

Gloves: Prevent repeated or prolonged skin contact with rubber or nitrile gloves.

Other clothing and equipment: Use chemical-resistant apron or other impervious clothing, if needed to avoid contaminating regular clothing which could result in prolonged or repeated skin contact. Eye wash and quick drench shower facilities should be available in the work area.

OTHER HANDLING AND STORAGE REQUIREMENTS:

Keep containers tightly closed. Keep containers cool, dry and away from sources of ignition. Use and store this product with adequate ventilation. Avoid inhalation of vapors and personal contact with the product. Use good personal hygiene practice.

HURST CHEMICAL COMPANY furnishes Material Safety Data Sheets based upon information from raw material suppliers. This information is provided in compliance with Federal Regulation 29CFR 1910.

HOWEVER, NO WARRANTY OF MERCHANTABILITY, FITNESS FOR ANY PARTICULAR PURPOSE OR ANY OTHER WARRANTY IS EXPRESSED OR IS TO BE IMPLIED REGARDING THE ACCURACY OR COMPLETENESS OF THIS INFORMATION, THE RESULTS TO BE OBTAINED FROM THE USE OF THIS INFORMATION OR THE PRODUCT, THE SAFETY OF THIS PRODUCT, OR THE HAZARDS RELATED TO ITS USE.

This information and product are furnished on the condition that the person receiving them shall make his own determination as to the suitability of the product for his particular purpose and on the condition that he assume the risk of his use thereof.

Prepared By: A. O. KORKIN, Ph.D.