

Material Safety Data Sheet

Section 1 Chemical Product and Company Identification

Manufacturer

Federal Process Corporation
4520 Richmond Road
Cleveland OH 44128
1-800-846-7325

Emergency Telephone Number

Call Chemtrec at 1-800-424-9300

Product Identifier:

“Work Sav’r” Light Thread Cutting Oil

Product Description:

Complex Mixture

Section 2 Hazards Identification

EMERGENCY OVERVIEW:

PHYSICAL HAZARDS: May become slippery if spilled on floor.

ACUTE HEALTH EFFECTS: Misting may occur. May cause mild eye irritation but no lasting damage. Transient irritation may result from extended skin contact. If ingested may cause gastrointestinal discomfort. In addition, excessive exposure to mists may cause respiratory irritation and damage and aggravate pre-existing emphysema or asthma.

CHRONIC HEALTH EFFECTS: No chronic health effects are expected

Section 3 Composition/Information on Ingredients

Additional information is provided in the Regulatory section of this document for Sara 313, California Proposition 65, and various state right-to-know laws.

	TLVs		
Contains:	%	ACGIH	OSHA
	No Known Hazardous ingredients		

Chemical Names and Synonyms: Petroleum Hydrocarbons and additives

Section 4 First Aid Measures

INHALATION: If respiratory irritation, dizziness, nausea, or unconsciousness occurs due to excessive vapor or mist exposure, seek immediate medical assistance. If breathing has stopped, assist ventilation with mechanical device or mouth-to-mouth resuscitation.

INGESTION: If ingested this product is not expected to cause an acute reaction. Give two glasses of water to drink. Consult a physician. Never give anything by mouth to an unconscious person.

EYES: Flush eyes immediately with large quantities of water, lifting the lower and upper lids occasionally. If irritation persists consult a physician.

SKIN: Flush the contaminated skin and wash with soap and water. If irritation develops or persists seek medical advice. Contaminated clothing should be washed prior to re-use.

Section 5 Fire Fighting Measures

EXTINGUISHING MEDIA: Foam (Aqueous Film Forming Foam) , dry chemical, carbon dioxide.

SPECIAL PRECAUTIONS: Water fog may be used to cool the containers, however frothing may occur if water is sprayed directly into burning containers. Do not enter fire area without proper protection. For fires in enclosed areas, fire fighters must use self-contained breathing apparatus.

HAZARDOUS COMBUSTION PRODUCTS: The thermal decomposition products are highly dependant upon the combustion conditions. Fumes, smoke, carbon monoxide, sulfur oxides, aldehydes and other decomposition products, in the case of incomplete combustion.

FLASH POINT: >367 F (ASTM D-93)
FLAMMABLE LIMITS (approx. % vol. in air) – LEL: 0.9%, UEL: 7.0%
AUTOIGNITION TEMPERATURE: Not established
NFPA HAZARD ID: Health: 0, Flammability: 1, Reactivity: 0

Section 6 Accidental Release Measures

Isolate the spill area, and keep unnecessary people away. Absorb spilled material with a suitable inert absorbent material. Collect and dispose of the contaminated absorbent in accordance with local state and federal laws.

Section 7 Handling and Storage

HANDLING: Avoid contact with the skin and eyes. Use good industrial hygiene practices. Provide adequate ventilation. Keep containers closed. No smoking or open flame in storage areas. Wash hands after using product and before eating, drinking, smoking or using toilet facilities.

STORAGE: Store in a dry place away from moisture and sources of ignition below 110 F to preserve shelf life. Avoid storage near food to prevent food contamination.

EMPTY CONTAINER WARNING: Empty containers contain residue (liquid and/or vapor) and can be dangerous. Do not attempt to refill or clean container since residue is difficult to remove. All containers should be disposed of in an environmentally safe manner and in accordance with governmental regulations.

Section 8 Exposure Controls/Personal Protection

VENTILATION REQUIREMENTS: In confined areas local and general ventilation should be provided to maintain airborne concentrations below permissible exposure limits. Ventilation systems must be designed according to approved engineering standards.

PERSONAL PROTECTION:

EYE: The wearing of protective glasses is recommended when handling any chemicals.

GLOVES: If prolonged or repeated skin contact is expected wear gloves as appropriate to prevent skin contact. Butyl and nitrile rubbers are recommended.

RESPIRATORY: Provide adequate ventilation in the workplace.

OTHER: Eating and smoking should be prohibited in areas where product is handled. Nothing replaces good personal hygiene. Coveralls or other full body clothing shall be worn and properly laundered after use. Workers should wash hands, face, neck, and arms before eating, drinking, or smoking.

Section 9 Physical and Chemical Properties

PHYSICAL STATE:	Dark Amber Liquid
ODOR AND APPEARANCE:	Bland odor
BOILING POINT:	More than 600 F
VAPOR PRESSURE:	mmHg 20 C: < 0.1
VAPOR DENSITY:	> 2.0
WATER SOLUBILITY:	Negligible
% ORGANIC VOLATILES:	Not Determined
pH	Does not apply

Section 10 Stability and Reactivity

STABILITY: This product is stable under recommended conditions of storage and handling.

REACTIVITY: Product may react with strong oxidizers or strong acids

Section 11 Toxicological Information

Exposure limits: The limits reported in Section 2 of this document refer to other physical forms of the ingredients present in this product.

ACUTE TOXICOLOGY:

ORAL TOXICITY (RATS): Practically non-toxic (LD50: greater than 2000 mg/kg)
DERMAL TOXICITY (RABBITS): Practically non-toxic. (LD50: greater than 2000 mg/kg)
INHALATION TOXICITY (RATS): Practically non-toxic: (LC50: greater than 5 mg/l).
EYE IRRITATION (RABBITS): Practically non-irritating: (Draize score: > 6 but 15 or less)
SKIN IRRITATION (RABBITS): Practically non-irritating: (Primary irritation index: greater than 0.5 but Less than 3)

SUBCHRONIC TOXICOLOGY: Severely solvent refined and severely hydrotreated mineral base oils have been tested by dermal application to rats 5 days/week for 90 days at doses significantly higher than those expected during normal industrial exposure. Extensive evaluations including microscopic examination of internal organs and clinical chemistry of body fluids, showed no adverse effects.

REPRODUCTIVE TOXICOLOGY: No teratogenic effects would be expected from dermal exposure, based on laboratory developmental toxicity studies of major components in this formulation and/or materials of similar composition.

CHRONIC TOXICOLOGY: Repeated and/or prolonged exposure may cause irritation to the skin, eyes or respiratory tract. Overexposure to oil mist may result in oil droplet deposition and/or granuloma formation. The base oils in this product are severely solvent refined and/or severely hydrotreated. Chronic mouse skin painting studies of severely treated oils showed no evidence of carcinogenic effects. These results are confirmed on a continuing basis.

OTHER TOXICOLOGY DATA: Small metal particles from machining may cause abrasion of the skin and may predispose to dermatitis.

HMIS Ratings: H - 0, F - 1, R - 0

Section 12 Ecological Information

General: This product is not expected to present any significant ecological problems.

Section 13 Disposal Information

Waste materials must be disposed of in accordance with your municipal, state, provincial and federal regulations. Contact the proper authorities for specific instructions.

Section 14 Transportation Information

DOT HAZARD CLASS:	Not Regulated
PROPER SHIPPING NAME:	Not Regulated
IDENTIFICATION NUMBER:	Not Listed

Section 15 Regulatory Information

Listed below are chemical substances subject to supplier notification requirements. The percentages, when present represent average values.

Substance	SARA	WHMIS	CA-65
	313		

None Known

CA-65 - Chemical substances identified under the California Proposition 65 column are known to the State of California to cause cancer and/or reproductive toxicity.

TSCA STATUS: All ingredients of this product comply with the requirements of the US EPA Toxic Substances Control Act.

Section 16 Other

Prepared by JS

The above information and recommendations are believed accurate and reliable. Because it is not possible to anticipate all conditions of use, additional safety precautions may be required. The Federal Process Company makes no warranty, either express or implied, including merchantability and fitness.

USER RESPONSIBILITY: Each user should read and understand this information and incorporate it into individual site safety programs in accordance with applicable hazard communication standards and regulations.