



SAFETY DATA SHEET

1. Identification

Product Name: **128 Sulfurized Cutting Oil**
 Synonyms: Not Available.
 CAS Number: Mixture
 Product Use: Lubricant. For specific applications, contact our company representative or technical data sheet
 Manufacturer: Schaeffer Mfg. Company
 2600 S. Broadway
 St. Louis, MO 63118
 Phone: (314) 865-4100
 Emergency Number: +1 314 865-4105 (24-hr response number)

2. Hazards Identification

GHS Classification

Health	Environmental	Physical
Acute Toxicity- Category 4 (inhalation, dermal), Category 5 (oral)	Acute aquatic toxicity-Category 1 (Daphina Mangena, Algae), Category 2 (crustacean) , Category 3 (Harpacticoid)	

GHS Label:

Symbols:



Hazard Statements

Warning

Very toxic to aquatic life
 Harmful if inhaled
 Harmful in contact with skin
 May be harmful if swallowed

Precautionary Statements

Avoid release to the environment
 Do not eat, drink or use tobacco when using this product.
 Do not breathe mist/vapors.
 Keep away from heat/sparks/open flame. No smoking.
 Wash thoroughly after handling.

3. COMPOSITION / INFORMATION ON INGREDIENTS

Ingredient Name	CAS #	%
Lubricating oils, petroleum, hydrotreated spent	64742-58-1	10-90
Petroleum distillates, solvent-refined heavy paraffinic	64741-88-4	0-75
Residual oils (petroleum), Solvent refined	64742-01-4	0-75
Residual oils (petroleum), hydrotreated	64742-57-0	0-75
Residual oils (petroleum), solvent dewaxed	64742-62-7	0-75
Lubricating oils (petroleum) C >25 hydrotreated bright stock	72623-83-7	0-75
Lard Oil	8016-28-2	0-5
Reclaimed mineral oil	69029-75-0	10-70

4. First Aid Measures

SKIN: In case of contact, immediately wash skin with soap and plenty of water. Remove contaminated clothing and shoes. Launder before reuse. If irritation develops, consult a physician.

EYE: In case of contact, immediately flush eyes with plenty of water for at least 15 minutes. Call a physician.

INHALATION: If inhaled, remove to fresh air. If not breathing, give artificial respiration. If breathing is difficult, give oxygen. Call a physician.

ORAL: If swallowed, do not induce vomiting unless directed to do so by medical personnel. Never give anything by mouth to an unconscious person. Call a physician.

5. Fire Fighting Measures

Suitable Extinguishing Media: Foam, Dry Chemical or Carbon Dioxide CO₂

Fire Fighting Procedures: Do not use Water Jet. Fire fighters should wear appropriate protective equipment and self-contained breathing apparatus.

Unusual Fire and Explosion Hazards: In a fire or if heated, a pressure increase may occur and the container may burst. Non-explosive in the presence of the following materials or conditions: open flames, sparks and static discharge, heat, shocks and mechanical impacts.

Combustion Products: Carbon Oxides (CO, CO₂), Sulfur oxides (SO₂, SO₃, etc), Carbonyl Halides, Halogenated compounds

6. Accidental Release Measures

No action should be taken involving personal risk or without appropriate training. Do not touch or walk through spilled material. In accordance with safety work practices and good industrial hygiene, airborne exposures should be controlled to the lowest extent practicable.

Wear a respirator when ventilation is inadequate. Wear appropriate personal protective equipment. Shut off ignition sources; no flares, smoking or flames in hazard area. Small spill: contain and collect spill with non-combustible, absorbent material such as sand, vermiculite, or diatomaceous earth. Place in a container for disposal according to local regulations. Large spill: prevent entry into sewers, waterways, basements, or confined areas. Isolate any hazards and deny entry to unnecessary personnel. Dike area for later disposal or recovery. Notify appropriate federal, state, and local agencies.

7. Handling and Storage

Handling

Wear appropriate personal protective equipment. Wash hands and face before eating, drinking and smoking. Do not breathe vapor or mist. Do not ingest. Avoid contact with eyes, skin and clothing. Use only with adequate ventilation, if ventilation is inadequate then wear appropriate respirator.

Storage

Store in a cool, dry, well-ventilated area away from incompatible materials. Keep container tightly closed until ready for use. Containers that have been opened must be carefully resealed and kept upright to prevent leakage. Do not store in unlabeled containers. Use appropriate containment to avoid environmental contamination.

Note: Sulfur compounds in this material may decompose when heated to release hydrogen sulfide gas which may accumulate to potentially lethal concentrations in enclosed spaces. Vapor concentrations of hydrogen sulfide above 50 ppm, or prolonged exposure at lower concentrations, may saturate human odor perceptions so that the smell of gas may not be apparent. Exposure to concentrations of hydrogen sulfide above 500 ppm may cause rapid death. Do not rely on the sense of smell to detect hydrogen sulfide.

8. Exposure Controls / Personal Protection

Exposure Limits

Component	OSHA	
	TWA	STEL
Lubricating oils, petroleum, hydrotreated spent	5 mg/m ³	10 mg/m ³
Petroleum distillates, solvent-refined heavy paraffinic	5 mg/m ³	10 mg/m ³
Residual oils (petroleum), Solvent refined	5 mg/m ³	10 mg/m ³
Residual oils (petroleum), hydrotreated	5 mg/m ³	10 mg/m ³
Residual oils (petroleum), solvent dewaxed	5 mg/m ³	10 mg/m ³
Lubricating oils (petroleum) C >25 hydrotreated bright stock	5 mg/m ³	10 mg/m ³
Reclaimed mineral oils	5 mg/m ³	10 mg/m ³

While specific OELs for certain components may be shown in this section, other components may be present in any mist, vapor or dust produced. Therefore, the specific OELs may not be applicable to the product as a whole and are provided for guidance only.

Engineering Controls: Use only adequate ventilation. If user operations generate dust, fumes, gas mist or vapor, local exhaust or other measures should be used to keep worker exposure to airborne contaminants below recommended limits.

Personal protection Equipment (PPE)

Eye Protection: Safety glasses with side shields or chemical goggles.

Skin Protection: Wear suitable protective clothing.

Respiratory Protection: In accordance with good industrial hygiene and safety practices, airborne exposure should be controlled to the lowest extent practicable.

9. Physical and Chemical Properties

Flash Point: > 149° C	Lower Flammability Limit: N/D
Autoignition Temperature: N/D	Upper Flammability Limit: N/D
Boiling Point: N/D	Specific Gravity: 0.880
Melting Point: N/D	% Volatile: N/D
Vapor Pressure: < 0.1 mmHg	Evaporation Rate (Water=1): N/D
Vapor Density (Air =1): N/D	Viscosity: N/D
% Solubility in Water: Insoluble in water	Octanol/Water Partition Coefficient: N/D
Pour Point: N/D	pH: N/A
Molecular Formula: Mixture	Molecular Weight: N/A
Odor/Appearance: Liquid	

10. Stability and Reactivity

Stability/Incompatibility: This product is stable. Keep away from heat, sparks, and strong oxidizers.

Hazardous Reactions/ Decomposition Products: Carbon oxides, Sulfur oxides (SO₂, SO₃, etc), Carbonyl Halides, Halogenated compounds

11. Toxicological Information

Signs and Symptoms of Overexposure: N/A

Acute Effects: Incomplete toxicological data are available for this product

Eye Contact: May cause irritation

Skin Contact: May cause skin irritation

Inhalation: May cause respiratory tract irritation

Ingestion: May cause throat irritation, nausea, vomiting, and diarrhea. Breathing product into the lungs during ingestion or vomiting may cause lung injury and possible death.

Target Organ Effects: Kidney, Liver, lung tissue

Chronic Effects: Prolonged or repeated inhalation of oil mist may cause oil pneumonia, lung tissue inflammation, and/or fibrous tissue formation. Prolonged or repeated eye contact may cause inflammation of the membrane lining the eyelids and covering the eyeball (conjunctivitis). Prolonged or repeated skin contact may cause drying, cracking, redness, itching, and/or swelling (dermatitis).

Repeated doses of chlorinated paraffin gave no effect levels in the range of 250-300 ppm. Slight effects were seen at higher doses. Blood disorders have been observed in newborn rates, reared dams fed on high doses of similar paraffin. As a group, chlorinated paraffin are not genotoxic.

Medical Conditions Aggravated by Exposure: N/A

Acute Toxicity Values: LD₅₀: 3520 mg/kg (oral - calculated), > 2000 mg/kg (dermal – rabbit)
LC₅₀: 2.18 mg/L (inhalation – rat)

12. Ecological Information

Keep out of sewers, drainage areas, and waterways. Report spills and releases as applicable under Federal and State regulations.

No testing has been performed by the manufacturer

13. Disposal Considerations

The generation of waste should be avoided or minimized wherever possible. Empty containers or liners may retain some product residues. This material and its container must be disposed of in a safe way. Dispose of surplus and non-recyclable products via a licensed waste disposal contractor. Dispose of this product, solutions and any by products should at all times comply with the requirements of environmental protection and waste disposal legislation and any regional local authority requirements. Avoid dispersal of spilled material and runoff and contact with soil, waterways and sewers.

NOTE: The generator of waste has the responsibility for proper waste identification, based on characteristic or listing, transportation and disposal.

14. Transport Information

U.S. Department of Transportation (DOT)

Proper Shipping Name: Not regulated as a hazardous material for transportation

Hazard Class: N/A

UN/NA Number: N/A

Packing Group: N/A

Labels Required: N/A

International Maritime Organization (IMDG)

Proper Shipping Name: Environmentally Hazardous Substance, Liquid, N.O.S. (C14-17 Chlorinated paraffin)

Hazard Class: 5.1

UN/NA Number: 3082

Packing Group: III

Labels Required: Environmentally Hazardous Substance

15. Regulatory Information

U.S. Federal Regulations

Toxic Substances Control Act (TSCA): All components are listed or exempted

Superfund Amendments and Reauthorization Act (SARA) Title III Information:

SARA 302/304/311/312 extremely hazardous substances: None

SARA 302/304 emergency planning and notification: None

SARA 302/304/311/312 hazardous chemicals: Chlorinated paraffin

16. Other Information

National Fire Protection Association (NFPA) Ratings: This information is intended solely for the use of individuals trained in the NFPA System

Health: 1

Fire: 1

Reactivity: 0

Prepared by:

T. Tischler

Notice: This Safety Data Sheet is based upon data considered to be accurate at the time of its preparation. Despite our efforts, it may not be up to date or applicable to the circumstances of any particular case. We are not responsible for any damage or injury resulting from abnormal use, from failure to follow appropriate practices or from hazards inherent in the nature of the product.