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PEOPLE.

# SAFETY DATA SHEET

## 1. Identification

**Product name** ECOCUT 322

**Other means of identification** No data available.

**Recommended use:** Metalworking fluid

**Restrictions on use:** Industrial use only

**Manufacturer/Importer/Supplier/Distributor Information**

**Manufacturer**

Company Name: Fuchs Lubricants Co.
Address: 17050 Lathrop Avenue
Harvey, Illinois 60426
Telephone: 708-333-8900
Fax: 708-333-9180

Contact Person: EHS Department
E-mail: sds@fuchsus.com

**Emergency telephone number:** 708-333-8900 (Bus. hrs) 800-255-3924 (24 hrs)

## 2. Hazard(s) identification

**Hazard Classification**

Not classified as hazardous under 29CFR 1910.1200 (HazCom 2012).

**Label Elements**

**Hazard Symbol:** No symbol

**Signal Word:** No signal word.

**Hazard Statement:** not applicable

**Precautionary Statements** not applicable

**Other hazards which do not result in GHS classification:** None.

## 3. Composition/information on ingredients

**Hazardous Component(s):**

| Chemical name | CAS-No. | Concentration |
|---|---|---|
| Mineral oil | Confidential | 60 - 100% |
| Vegetable oil | Confidential | 1 - 5% |

Specific chemical identities and/or exact percentages have been withheld as trade secrets.

## 4. First-aid measures

**Ingestion:** Rinse mouth thoroughly. Call a POISON CENTER/doctor/.../if you feel unwell. Do NOT induce vomiting.

**Inhalation:** Move to fresh air. Call a POISON CENTER/doctor/.../if you feel unwell.

**Skin Contact:** Remove contaminated/saturated clothing and shoes. Wash contact areas with soap and water. If skin irritation occurs: Get medical advice/attention.

**Eye contact:** Flush thoroughly with water. If irritation occurs, get medical assistance. Continue to rinse for at least 15 minutes.

**Most important symptoms/effects, acute and delayed**

**Symptoms:** No data available.

**Indication of immediate medical attention and special treatment needed**

**Treatment:** Get medical attention as appropriate or if symptoms persist.

## 5. Fire-fighting measures

**General Fire Hazards:** No unusual fire or explosion hazards noted.

**Suitable (and unsuitable) extinguishing media**

**Suitable extinguishing media:** No data available.

**Unsuitable extinguishing media:** Do not use water jet as an extinguisher, as this will spread the fire.

**Specific hazards arising from the chemical:** Heat may cause the containers to explode. During fire, gases hazardous to health may be formed.

**Special protective equipment and precautions for firefighters**

**Special fire fighting procedures:** No data available.

**Special protective equipment for fire-fighters:** Firefighters must use standard protective equipment including flame retardant coat, helmet with face shield, gloves, rubber boots, and in enclosed spaces, SCBA.

## 6. Accidental release measures

**Personal precautions, protective equipment and emergency procedures:** See Section 8 of the SDS for Personal Protective Equipment. Do not touch damaged containers or spilled material unless wearing appropriate protective clothing. Keep unauthorized personnel away. Ensure adequate ventilation.

**Methods and material for containment and cleaning up:** Absorb with sand or other inert absorbent. Stop the flow of material, if this is without risk.

**Environmental Precautions:** Avoid release to the environment. Do not contaminate water sources or sewer. Prevent further leakage or spillage if safe to do so.

## 7. Handling and storage

**Precautions for safe handling:** End-users should follow industry best practices for handling and using this product.

Guidance may be found using the current version of ASTM Standard E1497-05: Standard Practice for Selection and Safe Use of Water-Miscible and Straight Oil Metal Removal Fluids Observe good industrial hygiene practices. Wear appropriate personal protective equipment. Do not expose to intense heat as product may expand and pressurize container.

**Conditions for safe storage, including any incompatibilities:** Store in original tightly closed container. Avoid contact with oxidizing agents. Store away from incompatible materials.

## 8. Exposure controls/personal protection

**Exposure Limits**

| Chemical name | type | Exposure Limit Values | Source |
|---|---|---|---|
| Mineral oil - Mist. | PEL | 5 mg/m3 | US. OSHA Table Z-1 Limits for Air Contaminants (29 CFR 1910.1000) |
| Mineral oil - Mist. | STEL | 10 mg/m3 | US. OSHA Table Z-1 Limits for Air Contaminants (29 CFR 1910.1000) |
| Vegetable oil - Total dust. | PEL | 15 mg/m3 | US. OSHA Table Z-1 Limits for Air Contaminants (29 CFR 1910.1000) (02 2006) |
| Vegetable oil - Respirable fraction. | PEL | 5 mg/m3 | US. OSHA Table Z-1 Limits for Air Contaminants (29 CFR 1910.1000) (02 2006) |

**Protective Measures:** Use personal protective equipment as required.

| | |
|---|---|
| **Respiratory Protection:** | In case of inadequate ventilation use suitable respirator. Seek advice from supervisor on the company's respiratory protection standards. |
| **Eye Protection:** | Wear safety glasses with side shields (or goggles). |
| **Skin and Body Protection:** | Wear chemical-resistant gloves, footwear, and protective clothing appropriate for the risk of exposure. Contact health and safety professional or manufacturer for specific information. |
| **Hygiene measures:** | Always observe good personal hygiene measures, such as washing after handling the material and before eating, drinking, and/or smoking. Contaminated work clothing should be laundered prior to re-use. Discard contaminated footwear that cannot be cleaned. Avoid contact with skin, eyes, and clothing. |

## 9. Physical and chemical properties

| | |
|---|---|
| **Appearance** | |
| **Physical state:** | Liquid |
| **Form:** | No data available. |
| **Color:** | Amber |
| **Odor:** | Mild petroleum |
| **Odor threshold:** | No data available. |
| **pH:** | No data available. |
| **Melting point/freezing point:** | No data available. |
| **Initial boiling point and boiling range:** | No data available. |
| **Flash Point:** | 171.11 °C (340.00 °F) |
| **Evaporation rate:** | No data available. |
| **Flammability (solid, gas):** | No data available. |
| **Upper/lower limit on flammability or explosive limits** | |
| **Flammability limit - upper (%):** | No data available. |
| **Flammability limit - lower (%):** | No data available. |
| **Explosive limit - upper (%):** | No data available. |
| **Explosive limit - lower (%):** | No data available. |
| **Vapor pressure:** | No data available. |
| **Vapor density:** | No data available. |
| **Relative density:** | 0.869 |
| **Solubility(ies)** | |
| **Solubility in water:** | Insoluble |
| **Solubility (other):** | No data available. |
| **Partition coefficient (n-octanol/water):** | No data available. |
| **Auto-ignition temperature:** | No data available. |
| **Decomposition temperature:** | No data available. |

**Viscosity:** 22.5 mm2/s (40 °C, Measured)

## 10. Stability and reactivity

**Reactivity:** Not reactive during normal use.

**Chemical Stability:** Material is stable under normal conditions.

**Possibility of hazardous reactions:** None under normal conditions.

**Conditions to avoid:** Avoid heat or contamination.

**Incompatible Materials:** No data available.

**Hazardous Decomposition Products:** Thermal decomposition or combustion may liberate carbon oxides and other toxic gases or vapors. Contains a component which may release flammable substances,
including trimethylpentene, by distillation in systems with solvent recovery. This may lead to accumulation in the solvent circuit.

## 11. Toxicological information

**Information on likely routes of exposure**

**Ingestion:** May be ingested by accident. Ingestion may cause irritation and malaise.

**Inhalation:** Inhalation is the primary route of exposure. In high concentrations, vapors, fumes or mists may irritate nose, throat and mucus membranes.

**Skin Contact:** Prolonged skin contact may cause redness and irritation.

**Eye contact:** Eye contact is possible and should be avoided.

**Symptoms related to the physical, chemical and toxicological characteristics**

**Ingestion:** No data available.

**Inhalation:** No data available.

**Skin Contact:** No data available.

**Eye contact:** No data available.

**Information on toxicological effects**

**Acute toxicity (list all possible routes of exposure)**

**Oral**

**Product:** ATEmix (): 2000 - 5000 mg/kg

**Dermal**
**Product:** ATEmix (): 2000 - 5000 mg/kg

**Inhalation**
**Product:** Not classified for acute toxicity based on available data.

**Repeated dose toxicity**
**Product:** No data available.

**Skin Corrosion/Irritation**
**Product:** No data available.

**Serious Eye Damage/Eye Irritation**
**Product:** No data available.

**Respiratory or Skin Sensitization**
**Product:** No data available.

**Carcinogenicity**
**Product:** No data available.

**IARC Monographs on the Evaluation of Carcinogenic Risks to Humans:**
No carcinogenic components identified

**US. National Toxicology Program (NTP) Report on Carcinogens:**
No carcinogenic components identified

**US. OSHA Specifically Regulated Substances (29 CFR 1910.1001-1050):**
No carcinogenic components identified

**Germ Cell Mutagenicity**

**In vitro**
**Product:** No data available.

**In vivo**
**Product:** No data available.

**Reproductive toxicity**
**Product:** No data available.

**Specific Target Organ Toxicity - Single Exposure**
**Product:** No data available.

**Specific Target Organ Toxicity - Repeated Exposure**
**Product:** No data available.

**Aspiration Hazard**
**Product:** No data available.

**Other effects:** No data available.

## 12. Ecological information

**General information:** This product has not been evaluated for ecological toxicity or other environmental effects.

## 13. Disposal considerations

**Disposal instructions:** Discharge, treatment, or disposal may be subject to national, state, or local laws. Dispose of waste at an appropriate treatment and disposal facility in accordance with applicable laws and regulations, and product characteristics at time of disposal. It is the responsibility of the product user or owner to determine at the time of disposal, which waste regulations must be applied.

**Contaminated Packaging:** Empty containers should be taken to an approved waste handling site for recycling or disposal.

## 14. Transport information

**DOT**
Not regulated.

**IMDG**
Not regulated.

**IATA**
Not regulated.

## 15. Regulatory information

**US Federal Regulations**

**US. OSHA Specifically Regulated Substances (29 CFR 1910.1001-1050)**
None present or none present in regulated quantities.

**Superfund Amendments and Reauthorization Act of 1986 (SARA)**

**Hazard categories**
None

**SARA 313 (TRI Reporting)**
None present or none present in regulated quantities.

**US State Regulations**

**US. California Proposition 65**
No component is regulated by CA Prop 65.

## 16.Other information, including date of preparation or last revision

| | |
|---|---|
| **Issue Date:** | 23.09.2016 |
| **Revision Date:** | 23.09.2016 |
| **Version #:** | 1.1 |
| **Further Information:** | No data available. |
| **Disclaimer:** | This information is provided without warranty. The information is believed to be correct. This information should be used to make an independent determination of the methods to safeguard workers and the environment. |