SAFETY DATA SHEET

1. Identification

Product name: VANISHING OIL 8580

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@fuchs.com

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

2. Hazard(s) identification

Hazard Classification

Physical Hazards
Flammable liquids Category 3

Health Hazards
Skin Corrosion/Irritation Category 2
Serious Eye Damage/Eye Irritation Category 2A
Aspiration Hazard Category 1

Label Elements

Hazard Symbol:

Signal Word: Danger
**Hazard Statement:**
Flammable liquid and vapor. 
Causes skin irritation. 
Causes serious eye irritation. 
May be fatal if swallowed and enters airways.

**Precautionary Statement**
**Prevention:**
Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking. Keep container tightly closed. Ground and bond container and receiving equipment. Use explosion-proof electrical/ventilating/lighting/equipment. Use only non-sparking tools. Take precautionary measures against static discharge. Wear protective gloves/protective clothing/eye protection/face protection. Wash thoroughly after handling.

**Response:**
If in eyes: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. If eye irritation persists: Get medical advice/attention. IF ON SKIN (or hair): Take off immediately all contaminated clothing. Rinse skin with water/shower. If skin irritation occurs: Get medical advice/attention. IF SWALLOWED: Immediately call a POISON CENTER/doctor. Do NOT induce vomiting. Specific treatment (see the specific response guidance provided herein). Take off contaminated clothing. In case of fire: Use CO2, dry chemical, or foam to extinguish.

**Storage:**
Store in well-ventilated place. Keep cool. Store locked up.

**Disposal:**
Dispose of contents/container to an appropriate treatment and disposal facility in accordance with applicable laws and regulations, and product characteristics at time of disposal.

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

**Unknown toxicity - Health**
- Acute toxicity, inhalation, dust or mist: 97.5%
- Acute toxicity, inhalation, vapor: 100%
- Acute toxicity, dermal: 2.5%
- Acute toxicity, oral: 2.5%

**3. Composition/information on ingredients**

<table>
<thead>
<tr>
<th>Chemical name</th>
<th>CAS-No.</th>
<th>Concentration</th>
</tr>
</thead>
<tbody>
<tr>
<td>Mineral oil</td>
<td>Confidential</td>
<td>60 - 100%</td>
</tr>
<tr>
<td>Phosphate ester acid</td>
<td>Confidential</td>
<td>1 - 5%</td>
</tr>
</tbody>
</table>
Specific chemical identities and/or exact percentages have been withheld as trade secrets.

4. First-aid measures

**Ingestion:**
Call a physician or poison control center immediately. Rinse mouth. Never give liquid to an unconscious person. If vomiting occurs, keep head low so that stomach content doesn't get into the lungs.

**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:**
Immediately flush with plenty of water for at least 15 minutes. If easy to do, remove contact lenses. Get medical attention.

**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:**
Use water spray to keep fire-exposed containers cool. Water may be ineffective in fighting the fire. Fight fire from a protected location. Move containers from fire area if you can do so without risk.

**Suitable (and unsuitable) extinguishing media**

**Suitable extinguishing media:**
Water spray, fog, CO2, dry chemical, or regular foam. Use fire-extinguishing media appropriate for surrounding materials.

**Unsuitable extinguishing media:**
Avoid water in straight hose stream as this will scatter and spread fire.

**Specific hazards arising from the chemical:**
Vapors may travel considerable distance to a source of ignition and flash back. Vapors may cause a flash fire or ignite explosively. Prevent buildup of vapors or gases to explosive concentrations.

**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:

Ventilate closed spaces before entering them. ELIMINATE all ignition sources (no smoking, flares, sparks or flames in immediate area). Keep upwind. Keep unauthorized personnel away. Ensure adequate ventilation. See Section 8 of the SDS for Personal Protective Equipment. Do not touch damaged containers or spilled material unless wearing appropriate protective clothing.

Methods and material for containment and cleaning up:

Absorb spill with an inert material, then place in a container for safe and proper disposal. Dike far ahead of larger spill for later recovery and disposal. Eliminate all ignition sources if safe to do so. Use only non-sparking tools.

Environmental Precautions:

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 locked up. Store in a well-ventilated place. Store in a cool place. Flammable liquid storage.

8. Exposure controls/personal protection

<table>
<thead>
<tr>
<th>Chemical name</th>
<th>type</th>
<th>Exposure Limit Values</th>
<th>Source</th>
</tr>
</thead>
<tbody>
<tr>
<td>Mineral oil - Mist.</td>
<td>PEL</td>
<td>5 mg/m³</td>
<td>US. OSHA Table Z-1 Limits for Air Contaminants (29 CFR 1910.1000)</td>
</tr>
<tr>
<td>Mineral oil - Mist.</td>
<td>STEL</td>
<td>10 mg/m³</td>
<td>US. OSHA Table Z-1 Limits for Air Contaminants (29 CFR 1910.1000)</td>
</tr>
</tbody>
</table>

Protective Measures:

Provide easy access to water supply and eye wash facilities. Good general ventilation should be provided. Ventilation rates should be matched to...
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. Routinely wash work clothing to remove contaminants. Contaminated work clothing should not be allowed out of the workplace. 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: Tan
- Odor: Mild
- 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: 53 °C (127 °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.

Solubility(ies) 0.76
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Solubility in water: Emulsifiable in water
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: 1.38 mm²/s (40 °C)

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: Heat, sparks, flames.
Incompatible Materials: No data available.
Hazardous Decomposition Products: Thermal decomposition or combustion may liberate carbon oxides and other toxic gases or vapors.

11. Toxicological information

Information on likely routes of exposure
Ingestion: May irritate and cause malaise.
Inhalation: May cause irritation to the respiratory system.
Skin Contact: Causes skin irritation.
Eye contact: Causes serious eye irritation.

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 (): > 5000 mg/kg

**Dermal**
*Product:* ATEmix (): > 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: May be fatal if swallowed and enters airways.

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
UN Number: NA 1993
UN Proper Shipping Name: Combustible liquid, n.o.s.(Petroleum distillates)
Transport Hazard Class(es)
Class: CBL
Label(s): NONE
Packing Group: III
Marine Pollutant: No

Special precautions for user: –

IMDG
UN Number: UN 1993
UN Proper Shipping Name: FLAMMABLE LIQUID, N.O.S.(Petroleum distillates)
Transport Hazard Class(es)
Class: 3
Label(s): 3
EmS No.: F-E, S-E
Packing Group: III
Marine Pollutant: Not regulated.
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Special precautions for user: –

IATA
UN Number: UN 1993
Proper Shipping Name: Flammable liquid, n.o.s. (Petroleum distillates)
Transport Hazard Class(es):
  Class: 3
  Label(s): 3
Packing Group: III
Environmental Hazards: Not regulated.
Special precautions for user: –
Other information
  Passenger and cargo aircraft: Allowed.
  Cargo aircraft only: Allowed.

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
Acute (Immediate)

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: 19.04.2016
Revision Date: 02.06.2015
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.