



# Material Safety Data Sheet



Revised: 09/15/07

## SECTION 1 CHEMICAL PRODUCT AND COMPANY IDENTIFICATION

**Extengine Inc.**  
940 South Coast Dr. Suite # 125  
Costa Mesa CA 92626

**PHONE NUMBERS:**  
Business hours: (714) 327-0262  
**24 hours: Chemtrec: (800) 424-9300**  
General MSDS: (714) 774-3569

Product Name: **ProOne Bio-Stable Water Soluble Cutting Fluid**

Chemical Name: Vegetable Oil CAS #: Mixture  
Common Name: Vegetable Oil  
TDG classification: Not regulated  
WHMIS classification: Not controlled

## SECTION 2 COMPOSITION/INFORMATION ON INGREDIENTS

COMMON NAME	CAS NO.	%
Highly Refined Vegetable Oil		Variable
Compound Synthetic Diesters (C-14 to C-28)		Trace
Proprietary Extreme Pressure and Friction Reducing Additive	63449-39-8	Variable

## SECTION 3 HAZARD IDENTIFICATION

**Chemical stability:** Stable under normal conditions  
**Reactivity:** Minor  
**Conditions of reactivity:** None known  
**Hazardous polymerization:** Will not occur  
  
**Incompatible substances:** Strong inorganic or organic acids or oxidizing agents.  
**Hazardous decomposition products:** Thermal decomposition may produce oxides of carbon (CO, CO<sub>2</sub>)

## SECTION 4 FIRST AID MEASURES

**Skin contact:** Remove contaminated clothing. Flush with large amounts of water and use soap if available. If irritation persists, consult a physician. Launder clothing before re-using.  
  
**Eye contact:** Flush eyes with clear, running water for at least 15 minutes while holding eyelids open. If irritation persists, consult a physician. Do not rub eyes.  
  
**Inhalation:** Remove victim to fresh air. Clear air passage. If not breathing qualified personnel should administer artificial respiration. If breathing is difficult, administer oxygen. Obtain immediate medical attention.  
  
**Ingestion:** Seek medical attention, do not induce vomiting.

**SECTION 5****FIRE FIGHTING MEASURES**

<b>Flammability:</b>	<b>Not flammable as per WHMIS</b>
<b>Conditions of flammability:</b>	<b>At or above flash point temperature if an ignition source is present</b>
<b>Extinguishing Media:</b>	<b>Carbon dioxide, dry chemical, foam. Water spray may be ineffective</b>
<b>Special procedures:</b>	<b>Firefighters should wear the usual protective gear. Wear a self-contained breathing apparatus.</b>
<b>Auto-ignition temperature:</b>	<b>Not applicable</b>
<b>Flash point (°C), method:</b>	<b>&gt; 315 °F (&gt;156 °C)</b>
<b>Lower flammability limit (% Vol.):</b>	<b>ND</b>
<b>Upper flammability limit (% Vol.):</b>	<b>ND</b>

**SECTION 6****ACCIDENTAL RELEASE MEASURES**

<b>Route of entry:</b>	<b>Skin contact, eye contact, inhalation and ingestion.</b>
<b>Eye Contact:</b>	<b>No hazard known. Slight irritation.</b>
<b>Skin Contact:</b>	<b>No hazard known. Very mild.</b>
<b>Inhalation:</b>	<b>No hazard known. Few vapors.</b>
<b>Ingestion:</b>	<b>No hazard known. May cause intestinal irritation.</b>
<b>Effects of chronic exposure:</b>	<b>None known</b>
<b>LD50 of product, species &amp; route:</b>	<b>Not available for mixture</b>
<b>Exposure limit of material:</b>	<b>5 mg/m<sup>3</sup> oil mist</b>
<b>Sensitization to product:</b>	<b>None known</b>
<b>Carcinogenic effects:</b>	<b>None known</b>
<b>Reproductive effects:</b>	<b>None known</b>
<b>Teratogenicity:</b>	<b>None known</b>
<b>Mutagenicity:</b>	<b>None known</b>
<b>Synergistic materials:</b>	<b>None known</b>

**SECTION 7****HANDLING AND STORAGE**

<b>Handling procedures &amp; equipment:</b>	<b>Maintain a good personal hygiene. Avoid breathing vapors/mists. Use adequate ventilation. Avoid prolonged skin and eye contact. Wash clothing before re-use.</b>
<b>Storage requirements:</b>	<b>Store in a cool and dry place.</b>
<b>Special shipping Info.:</b>	<b>DOT: Non Hazardous. Not regulated</b>
<b>Leak/Spill:</b>	<b>Use soil or other absorbing material.</b>
<b>Waste disposal:</b>	<b>In accordance with municipal, provincial and federal regulations.</b>
<b>Handling procedures &amp; equipment:</b>	<b>Maintain a good personal hygiene. Avoid breathing vapors/mists. Use adequate ventilation. Avoid prolonged skin and eye contact. Wash clothing before re-use.</b>
<b>Storage requirements:</b>	<b>Store in a cool and dry place.</b>
<b>Special shipping Info.:</b>	<b>DOT: Non Hazardous. Not regulated.</b>



SECTION 8	EXPOSURE CONTROLS – PERSONAL PROTECTION
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<b>Gloves/Type:</b>	Use rubber gloves
<b>Respiratory/Type:</b>	None required under normal use
<b>Eye/Type:</b>	Safety glasses
<b>Footwear/Type:</b>	Safety boots per local regulations
<b>Clothing/Type:</b>	Work clothes
<b>Other/Type:</b>	Eye wash facility should be in close proximity. Emergency shower should be in close proximity. Launder contaminated clothing before re-using.
<b>Ventilation requirements:</b>	General ventilation
<b>Environmental precautions:</b>	Do not allow it to enter drains.
<b>Container disposal:</b>	Container may have residual material, dispose according to local, State and Federal laws.

SECTION 9	PHYSICAL AND CHEMICAL PROPERTIES
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<b>Physical state:</b>	Liquid
<b>Appearance &amp; odor:</b>	Mild odor. Hazy amber color.
<b>Density:</b>	~ 0.95
<b>Vapor pressure (kPa):</b>	< 0.1
<b>Vapor density (air=1):</b>	> 2.0
<b>Volatiles (%) by volume</b>	<1%
<b>Evaporation rate (butyl acetate = 1):</b>	<1
<b>Boiling point (°C):</b>	> 500°F (> 260°C)
<b>Freezing point (°C):</b>	Not applicable
<b>pH:</b>	~ pH 7.75
<b>Specific gravity @ 15 °C:</b>	0.95
<b>OAR Value:</b>	UN
<b>Solubility in Water:</b>	Emulsifies (100%)
This product contains no hazardous substance within the definition of OSHA Regulation 29 CFR 1910.1200 / 21 CFR 178.3570.	

SECTION 10	TOXICOLOGICAL INFORMATION
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Any product containing a substance for which OSHA has established a permissible exposure limit (PEL) is considered hazardous. OSHA has established a PEL of 5mg/m<sup>3</sup> for worker exposure to air borne mists of mineral oils. Therefore, the presence of mineral oils brings this product within the provisions of the OSHA Hazard Communication Standard where the PEL reaches or exceeds 5 mg/m<sup>3</sup>. Health studies have shown that many petroleum hydrocarbons pose potential human health risks which may vary from person to person. As a precaution, exposure to liquids, vapors, mists or fumes should be minimized. This product does not contain any material shown to be a carcinogen by the National Toxicology Program (NTP), the International Agency for Research on Cancer (IARC) or OSHA.



SECTION 11

OTHER INFORMATION

**General note:**

This material safety data sheet was prepared from information obtained from various sources, including product suppliers. The above information is believed to be correct but does not purport to be all-inclusive and shall be used only as a guide. The information contained here in is accurate and reliable to the best of the company's knowledge. Extengine, Inc. shall not be held liable for any inaccuracies. Extengine, Inc. does not warrant nor guarantee, whether expressed or implied, its accuracy or reliability and shall not be liable for any expense, loss or damage, direct or consequential, arising out of the use thereof. It is the user's responsibility to satisfy itself that the information offered for its consideration is suitable for its particular use.

**Data prepared by:**

Extengine, Inc.

**Date prepared:**

April 15, 2007



