



# SAFETY DATA SHEET

## SECTION 1: PRODUCT AND COMPANY IDENTIFICATION

### Enhance™ Saw Guide Oil 100

**PRODUCT USE:** Lubricate Saw Blades

**COMPANY IDENTIFICATION:** Enhance™ Lubricants, LLC  
1959 Bluff Road  
Columbia, SC 29201  
www.enhanceoil.com

**TRANSPORTATION EMERGENCY RESPONSE:** PERS – 800-633-8253

## SECTION 2: HAZARDS IDENTIFICATION

**CLASSIFICATION:** Skin sensitization - Category 1

**SIGNAL WORD:** Warning



**HAZARD STATEMENTS:** May cause an allergic skin reaction

**PRECAUTIONARY STATEMENTS – GENERAL:** Read label before use. If medical advice is needed, have product container or label at hand. Keep out of reach of children.

**PRECAUTIONARY STATEMENTS – PREVENTION:** Avoid breathing dust/fume/gas/vapors/spray. Contaminated work clothing should not be allowed out of the workplace. Wear protective gloves.

**PRECAUTIONARY STATEMENTS – RESPONSE:** If on skin: Wash with plenty of water. If skin irritation or rash occurs, get medical attention. Take off contaminated clothing and wash it before reuse.

**PRECAUTIONARY STATEMENTS – DISPOSAL:** Dispose of contents/container to disposal recycling center.

**HAZARDS NOT OTHERWISE CLASSIFIED:** None known

## SECTION 3: COMPOSITION / INFORMATION ON INGREDIENTS

COMPONENTS	CAS NUMBER	AMOUNT, %
Hydrotreated neutral oil-based	72623-87-1	50 - 70
2,5-bis(octyldithio)-1,3,4-thiadiazole	13539-13-4	0.1 - 1
**If chemical name/CAS No is proprietary and/or weight % is listed as a range, the specific chemical identity and/or percentage of composition has been withheld as a trade secret.**		

## SECTION 4: FIRST AID MEASURES

**EYES:** Check for and remove contact lenses. Flush eyes with large amounts of water for at least 15 minutes until irritation subsides. If irritation persist, get medical attention.

**SKIN:** If burned by hot material, cool skin by quenching with large amounts of cool water. For contact with product at ambient temperatures, remove contaminated shoes and clothing. Wipe excess

material. Wash exposed skin with mild soap and water. Seek medical attention if tissue appears damaged or if pain or irritation persists. Thoroughly clean contaminated clothing before reuse. Clean or discard contaminated leather goods. If material is injected under skin, seek medical attention immediately.

**INGESTION:** If swallowed, do not induce vomiting unless directed to by a physician. Rinse out mouth with water. Never give anything by mouth to a person who is not fully conscious. Allow small quantities to pass through the digestive system. If large amounts are swallowed or irritation of discomfort, seek medical attention immediately.

**INHALATION:** Vaporization is not expected at ambient temperatures. This material is not expected to cause inhalation-related disorders under anticipated conditions of use. In case of overexposure, move the person to fresh air.

**MOST IMPORTANT SYMPTOMS AND EFFECTS:**

**SYMPTOMS:** May be harmful if swallowed. Causes skin irritation. Causes serious eye irritation.

**INDICATION OF ANY IMMEDIATE MEDICAL ATTENTION AND SPECIAL TREATMENT NEEDED:**

Note to Physicians:

Skin: In the event of injection in underlying tissue, immediate treatment should include extensive incision, debridement and saline irrigation. Inadequate treatment can result in ischemia and gangrene. Early symptoms may be minimal.

Ingestion: Check for possible bowel obstruction with ingestion of large quantities of material.

**SECTION 5: FIRE FIGHTING MEASURES**

**SUITABLE EXTINGUISHING MEDIA:** Use extinguishing measures that are appropriate to local circumstances and the surrounding environment.

**UNSUITABLE EXTINGUISHING MEDIA:** Not determined

**SPECIFIC HAZARDS ARISING FROM THE CHEMICAL:** Water or foam may cause frothing. Molten material can form flaming droplets if ignited. Use of water on product above 100°C (212°F) can cause product to expand with explosive force.

**HAZARDOUS COMBUSTION PRODUCTS:** Carbon dioxide, carbon monoxide, smoke, fumes, unburned hydrocarbons and oxides of sulfur, phosphorus, zinc and or nitrogen.

**PROTECTIVE EQUIPMENT AND PRECAUTIONS FOR FIREFIGHTERS:** As with any fire, wear self-contained breathing apparatus pressure-demand, MSHA/NIOSH (approved or equivalent) and full protective gear. Carbon dioxide and inert gas can displace oxygen. Use caution when applying carbon dioxide or inert gas in confined spaces. Fight the fire from a safe distance in a protected location. Open any masses with a water stream to prevent ignition due to smoldering. Cool surface with water fog. Do not allow liquid runoff to enter sewers or public waters.

**SECTION 6: ACCIDENTAL RELEASE MEASURES**

**PERSONAL PRECAUTIONS, PROTECTIVE EQUIPMENT AND EMERGENCY PROCEDURES:** Take proper precautions to ensure your own health and safety before attempting spill control or clean up. For more specific information, refer to section 8. Do not touch damaged containers or spilled material unless wearing appropriate protective clothing. Slipping hazard; do not walk through spilled material.

**METHODS FOR CONTAINMENT:** Prevent further leakage or spillage if safe to do so. Prevent entry into waterways, sewer, basements or confined spaces.

**METHODS FOR CLEAN UP:** For small spills, absorb or cover with dry earth, sand or other inert non-

combustible absorbent material and place into waste containers for lateral disposal. Contain large spills to maximize product recovery or disposal. In urban areas, clean up spill as soon as possible. In natural environments, seek clean up advice from specialists to minimize physical habitat damage.

**SECTION 7: HANDLING AND STORAGE**

**PRECAUTIONS FOR SAFE HANDLING:** If this product is stored or applied in high-pressure systems such as grease guns or hydraulic lines, there is the potential for accidental injection into skin and underlying tissues. Empty containers may contain product residue that can ignite with explosive force. Do not pressurize, cut, weld, braze, solder, drill, grind, or expose empty containers to heat, sparks or open flames.

**VENTILATION REQUIREMENTS:** Use only with adequate ventilation to control air contaminants to their exposure limits. The use of local ventilation is recommended to control emissions near the source.

**STORAGE CONDITIONS:** Keep containers tightly closed in a dry, cool and well-ventilated place.

**INCOMPATIBLE MATERIALS:** Strong oxidizing agents.

**SECTION 8: EXPOSURE CONTROLS / PERSONAL PROTECTION**

**EXPOSURE GUIDELINES:**

Chemical Name	Value Type (Form of exposure)	Control parameters / Permissible concentration	Basis
Hydrotreated neutral oil-based 72623-87-1	TWA (mist)	5 mg/m <sup>3</sup>	CA AB OEL
	STEL: (mist)	10 mg/m <sup>3</sup>	CA AB OEL
	TWAEV: (mist)	5 mg/m <sup>3</sup>	CA QC OEL
	STEV: (mist)	10 mg/m <sup>3</sup>	CA QC OEL
	TWA: (Inhalable fraction)	5 mg/m <sup>3</sup>	ACGIH

**ENGINEERING CONTROLS:** Provide exhaust ventilation or other engineering controls to keep the airborne concentrations of vapors below their respective threshold limit value. Ensure that eyewash stations and safety showers are proximal to the work station location.

**EYE/FACE PROTECTION:** Wear safety glasses with side shields (or goggles)

**RESPIRATORY PROTECTION:** Ensure adequate ventilation, especially in confined areas. In case of inadequate ventilation or risk of inhalation of vapors, use suitable respiratory equipment.

**SKIN/BODY PROTECTION:** Chemical resistant, impermeable gloves. Long sleeve shirt and long pants. Aprons. Wear a lab coat.

**SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES**

**Attention: the data below are typical values and do not constitute a specification.**

**Color:** Dark amber

**Physical State:** Viscous liquid

**Odor:** Mild petroleum

**Odor Threshold:** No data available

**pH:** No data available

**Vapor Pressure:** No data available

**Boiling Point/Boiling Range:** No data available

**Solubility:** Insoluble

**Freezing Point:** No data available

**Melting Point:** No data available

**Pour Pont Temperature:** -36°C / 531°F

**Evaporation Rate:** No data available

**Decomposition Temperature:** No data available  
**Partition Coefficient:** No data available  
**Flash Point:** 277°C / 531°F    Open cup  
**Flammability (Solid, Gas):** No data available  
**Upper Flammability Limits:** No data available  
**Lower Flammability Limits:** No data available

**Auto-Ignition Temperature:** No data available  
**Kinematic Viscosity:** 108.1 cSt (40°C / 104°F)  
14.1 cSt (100°C / 212°F)  
**Dynamic Viscosity:** No data available  
**Explosive Properties:** No data available  
**Oxidizing Properties:** No data available

## SECTION 10: STABILITY AND REACTIVITY

**REACTIVITY:** Not reactive under normal conditions.

**CHEMICAL STABILITY:** Stable under recommended storage conditions.

**POSSIBILITY OF HAZARDOUS REACTIONS:** None under normal processing.

**HAZARDOUS POLYMERIZATION:** Under normal conditions of storage and use, hazardous polymerization will not occur.

**CONDITIONS TO AVOID:** Keep away from extreme heat, sparks, open flame and incompatible materials.

**INCOMPATIBLE MATERIALS:** Strong oxidizing agents.

**HAZARDOUS DECOMPOSITION PRODUCTS:** Carbon dioxide, carbon monoxide, smoke, fumes, unburned hydrocarbons and oxides of sulfur, phosphorus, zinc and or nitrogen.

## SECTION 11: TOXICOLOGICAL INFORMATION

### INFORMATION OF LIKELY ROUTES OF EXPOSURE:

**EYE CONTACT:** Causes serious eye irritation

**SKIN CONTACT:** Causes skin irritation

**INHALATION:** Do not inhale

**INGESTION:** May be harmful if swallowed

Chemical Name	Oral LD50	Dermal LD50	Inhalation-LD50
Hydrotreated neutral oil-based	>5000 mg/kg (Rat)	>2000 mg/kg (Rabbit)	

### INFORMATION ON PHYSICAL, CHEMICAL AND TOXICOLOGICAL EFFECTS:

**SYMPTOMS:** See Section 4

**DELAYED AND IMMEDIATE EFFECTS AS WELL AS CHRONIC EFFECTS FROM SHORT AND LONG-TERM EXPOSURE:**

**CARCINOGENICITY:** This product does not contain any carcinogens or potential carcinogens as listed by OSHA, IARC or NTP.

**NUMERICAL MEASURES OF TOXICITY:** Not determined

**UNKNOWN ACUTE TOXICITY:** Not determined

## SECTION 12: ECOLOGICAL INFORMATION

**ECOTOXICITY:** The product is not classified as environmentally hazardous. However, this does not exclude the possibility that large or frequent spills can have a harmful or damaging effect on the environment.

**MOBILITY:** Not determined

**BIOACCUMULATION:** Not determined

**TOXICITY:** No data available

**PERSISTENCE/DEGRADABILITY:** No data available

**OTHER ADVERSE EFFECTS:** No data available

### SECTION 13: DISPOSAL CONSIDERATIONS

**DISPOSAL OF WASTES:** Under RCRA it is the responsibility of the user of the product to determine at the time of disposal whether the product meets RCRA criteria for hazardous waste. Waste management should be in full compliance with federal, state, and local laws.

**CONTAMINATED PACKAGING:** Disposal should be in accordance with applicable regional, national, and local laws and regulations.

### SECTION 14: TRANSPORT INFORMATION

The description shown may not apply to all shipping situations. Consult 49CFR, or appropriate Dangerous Goods Regulations, for additional description requirements (e.g., technical name) and mode-specific or quantity-specific shipping requirements.

**DOT:** Not regulated

**IMO/IMDG:** Not regulated

**ICAO/IATA:** Not regulated

### SECTION 15: REGULATORY INFORMATION

This product has been classified according to the hazard criteria of the CPR and the SDS contains all of the information required by the CPR.

**DSL:** On the inventory, or in compliance with the inventory

**TSCA:** All chemical substances in this product are either listed on the inventory or are in compliance with a TSCA Inventory exemption.

**IECSC:** On the inventory, or in compliance with the inventory.

#### Legend:

**TSCA** – United States Toxic Substances Control Act Section 8(b) Inventory

**DSL/NDL** - Canadian Domestic Substances List/Non-Domestic Substances List

**EINECS/ELINCS** - European Inventory of Existing Chemical Substances/European List of Notified Chemical Substances

**ENCS** - Japan Existing and New Chemical Substances

**IECSC** - China Inventory of Existing Chemical Substances

**KECL** - Korean Existing and Evaluated Chemical Substances

**PICCS** - Philippines Inventory of Chemicals and Chemical Substances

**AICS** - Australian Inventory of Chemical Substances

**US Federal Regulations:**

**CERCLA-** This material, as supplied does not contain any substances regulated as hazardous substances under the Comprehensive Environmental Response Compensation and Liability Act (CERCLA) (40 CFR 302) or the Superfund Amendments and Reauthorization Act (SARA) (40 CFR 355).

<b>SECTION 16: OTHER INFORMATION</b>
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<b>NFPA RATINGS:</b>	Health: 1	Flammability: 1	Reactivity: 0	Special Hazards: NA
<b>HMIS RATINGS:</b>	Health: 1	Flammability: 1	Reactivity: 0	Personal Protection: NA

**DISCLAIMER**

*The above information is based on the data of which we are aware and is believed to be correct as of the date hereof. Since this information may be applied under conditions beyond our control and with which we may be unfamiliar and since data made available subsequent to the date hereof may suggest modifications of the information, we do not assume any responsibility for the results of its use. This information is furnished upon condition that the person receiving it shall make his own determination of the suitability of the material for his particular purpose*

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