

## Material Safety Data Sheet

### 1. CHEMICAL PRODUCT AND COMPANY IDENTIFICATION

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OLYMPIC OIL, LTD.  
5000 W. 41<sup>st</sup> St.  
Cicero, IL 60804

Technical

Contact: Phone: 708-876-7900 (M-F 6:00 A.M. - 4:30 P.M.)

MSDS Number: MSOL715A

Product Name: **TANAKA BAR & CHAIN**

Emergency Overview	Hazard Ranking	
Physical State: Liquid Color: Light amber to yellow Odor: Mild	HMIS	NFPA
Not expected to cause a severe emergency hazard	Health 1	1
	Fire 1	1
	Reactivity 0	0

Key: 4=Severe, 3=Serious, 2=Moderate, 1=Slight, 0=Minimal

### 2. COMPOSITION, INFORMATION ON INGREDIENTS

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This material has no known hazards under applicable laws.

### 3. HAZARDS INFORMATION

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- May cause slight, temporary eye irritation.
- Prolonged or repeated exposure may cause skin irritation.

### 4. FIRST AID MEASURES

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**EYES:** Flush eyes with clean, low-pressure water for at least 15 minutes, occasionally lifting the eyelids. Get medical attention if irritation develops or persists.

**SKIN:** Wash skin thoroughly with plenty of soap and water. Immediately remove contaminated clothing. Launder contaminated clothing before reuse. Discard saturated leather gloves and shoes. If irritation persists, get medical attention.

**INGESTION:** DO NOT INDUCE VOMITING. If more than a half-cup full of this material is swallowed, give quantities of water and obtain medical attention. Do not give anything by mouth to an unconscious person.

**INHALATION:** Vaporization is not expected at ambient temperatures. This material is not expected to be an inhalation problem under the anticipated conditions of use. In case of overexposure, move person to fresh air. If not breathing, administer artificial respiration and oxygen.

**NOTE TO PHYSICIAN:** Treat symptomatically.

## 5. FIRE FIGHTING MEASURES

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### **FLAMMABLE PROPERTIES:**

FLASH POINT: 430°F(220°C) METHOD: COC D92

**EXTINGUISHING MEDIA:** Carbon dioxide, dry chemical, foam or water spray. Water may cause frothing and spattering. Cool tanks and exposed containers with water. Material will float on water.

**HAZARDOUS COMBUSTION PRODUCTS:** Toxic fumes, gases or vapors may evolve on burning.

**FIRE FIGHTING INSTRUCTIONS:** For fires involving this material, do not enter any enclosed or confined fire space without proper protective equipment. This may include self-contained breathing apparatus to protect against the hazardous effects of combustion products and oxygen deficiencies.

## 6. ACCIDENTAL RELEASE MEASURES

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**Ensure your own health and safety before attempting spill control or clean up. Take the proper precautions see Section 1 for Emergency Overview, Section 8 for Personal Protection and Section 13 for Disposal Considerations.**

**SMALL SPILL:** Absorb spill with an inert material (e.g., dry sand or earth), then place in a chemical waste container. Use caution, material may present a slipping hazard.

**LARGE SPILL:** Contain spill and prevent it from entering all water bodies, if possible. Safely stop flow of spill. Evacuate non-essential personnel from immediate spill area. Ventilate area if spilled in a confined space or other poorly ventilated areas. Seek the advice of ecologists for clean up in natural environments. This material will float on water. Absorbent materials and pads can be used. Maximize product recovery for reuse or recycling. Transfer liquids and solid diking material to separate, suitable containers for recovery or disposal. Comply with all applicable laws. Spills may need to be reported to the National Response Center (800-424-8802).

## 7. HANDLING AND STORAGE

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**HANDLING:** Keep away from heat, sparks and flame. Keep containers closed when not in use. Hands should be washed thoroughly after handling. When transferring material, use proper bonding and/or grounding procedures. Empty containers contain residue, which may exhibit the hazards of the product. Do not attempt to refill or clean containers since residue is difficult to remove. Do not pressurize, cut, heat or weld containers.

**STORAGE:** KEEP OUT OF REACH OF CHILDREN! Store in a cool, dry, well ventilated place.

STORAGE TEMPERATURE: Ambient  
STORAGE PRESSURE: Atmospheric

## 8. EXPOSURE CONTROLS, PERSONAL PROTECTION

### 1 EXPOSURE GUIDELINES:

COMPONENT	OSHA		ACGIH	
	TWA	STEL	TWA	STEL
Refined Petroleum Oil (Oil Mist)	5 mg/m <sup>3</sup>	N/E	5 mg/m <sup>3</sup>	10 mg/m <sup>3</sup>

- ENGINEERING CONTROLS:** Use adequate ventilation to keep oil mists of this material below applicable guideline(s)/standard(s).
- RESPIRATORY PROTECTION:** Under normal conditions, a respirator is not required. If exposure exceeds the occupational exposure limits, follow OSHA standards or equivalent and wear proper NIOSH/MSHA-approved respiratory equipment.
- SKIN PROTECTION:** Use chemical resistant gloves to avoid prolonged or repeated skin contact. Always seek advise from glove suppliers. Gloves should be replaced if signs of degradation or chemical breakthrough occur. Long sleeve shirt is recommended. When leaving work area, wash hands/exposed skin with soap and water.
- EYE PROTECTION:** Use splash goggles or face shield when eye and face contact is possible due to splashing or spraying of material. Eye wash water should be available. Hard contact lenses should not be worn.

## 9. PHYSICAL AND CHEMICAL PROPERTIES (TYPICAL)

**APPEARANCE:** Light amber - yellow  
**FLASH POINT:** 430 Deg. F (220 Deg. C) by COC D92  
**ODOR:** Mild Petroleum  
**SPECIFIC GRAVITY:** 0.88 – 0.90 at 60 Deg. F.

<b>SOLUBILITY IN WATER:</b>	<u>Negligible</u>
<b>PHYSICAL STATE:</b>	<u>Liquid</u>
<b>VAPOR PRESSURE:</b>	<u>Not Determined</u>
<b>VAPOR DENSITY:</b>	<u>Not Determined</u>
<b>PERCENT VOLATILE:</b>	<u>Not Determined</u>
<b>BOILING POINT:</b>	<u>Not Determined</u>
<b>VISCOSITY @ 100°C</b>	<u>9.5 centistokes</u>

## 10. STABILITY AND REACTIVITY

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**CHEMICAL STABILITY:** Material is considered stable at room temperature and pressure. Avoid heat, sparks and open flame.

**INCOMPATIBILITY:** Strong oxidizing agents

**HAZARDOUS COMBUSTION PRODUCTS:** Smoke, carbon monoxide, carbon dioxide, aldehydes and other products of incomplete combustion.

**POSSIBILITY OF HAZARDOUS REACTIONS:** None

## 11. TOXICOLOGICAL INFORMATION

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**EYE IRRITATION:** May cause slight, temporary irritation with short-term exposure, based on component data.

**SKIN IRRITATION:** Not expected to be a primary irritant. May cause slight irritation with prolonged or repeated exposure resulting in redness, edema, drying or cracking of skin. Based on component data. Personnel with pre-existing skin disorders should avoid contact with this product.

**RESPIRATORY IRRITATION:** No significant adverse health effects are expected to occur under normal conditions of use. However, exposure to petroleum mist at high levels may be irritating to the nose, throat and lungs.

**ACUTE ORAL EFFECTS:** No significant adverse health effects are expected to occur upon short-term exposure based on data from components.

**CHRONIC TOXICITY:** No Data

**CARCINOGENICITY:** This product is formulated with mineral oils, which are considered to be severely refined and not considered to be carcinogenic under IARC. All the oils in this product have been demonstrated to contain less than 3% extractables by the IP346 test.

**MUTAGENICITY:** No Data

**TERATOGENICITY (BIRTH DEFECT):** No data

**REPRODUCTIVE TOXICITY:** No Data

## 12. ECOLOGICAL INFORMATION

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The spilled material and any soil or water that it has contaminated may be hazardous to animal/aquatic life.

**CHEMICAL FATE INFORMATION:** Not determined.

## 13. DISPOSAL CONSIDERATIONS

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To determine the proper method of disposal, refer to RCRA (40 CFR 261) as well as federal EPA and state and local regulations. Conditions of use may cause this material to become a "Hazardous Waste", as defined by state or federal laws. Use approved treatment, transporters and disposal sites in compliance with all applicable laws.

## 14. TRANSPORT INFORMATION

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**DOT Hazard Class:** Not Regulated  
**UN/NA Number:** Not Regulated  
**IMO:** Not Regulated  
**IATA:** Not Regulated

## 15. REGULATORY INFORMATION

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### GLOBAL REGULATORY INFORMATION

<u>INVENTORY</u>	<u>STATUS</u>
United States (TSCA)	All ingredients are on the inventory.
Canada (DSL)	All ingredients are on the inventory.
European Union (EINECS)	All ingredients are on the inventory.
Japan (METI)	Contains a component that may not be on inventory.
Philippines	All ingredients are on the inventory.
South Korea (KECL)	All ingredients are on the inventory.
Australia (AICS)	All ingredients are on the inventory.
China	Contains a component that may not be on inventory.

### U. S. REGULATORY INFORMATION

#### **SUPERFUND AMMENDMENTS AND REAUTHORIZATION ACT OF 1986**

**(SARA), TITLE III:** This product does not contain greater than 1.0% (greater than 0.1% for carcinogenic substance) of any chemical substances listed under

SARA Section 313.

**SARA EXTREMELY HAZARDOUS LIST:** This product does not contain greater than 1.0% of any chemical on the SARA Extremely Hazardous List.

**COMPREHENSIVE ENVIRONMENTAL RESPONSE, COMPENSATION AND LIABILITY ACT (CERCLA):** This product does not contain greater than 1.0% (greater than 0.1% for carcinogenic substance) of any chemical substances listed under SARA Section 313.

**SARA 312 CLASSIFICATIONS:**

Acute Hazard	No
Chronic Hazard	No
Fire Hazard	No
Reactivity Hazard	No

**CALIFORNIA SAFE DRINKING WATER AND TOXIC ENFORCEMENT ACT OF 1986 – PROPOSITION 65:** Based on information currently available, this product does not contain any chemicals known to the state of California to cause cancer or reproductive toxicity. If this product is reformulated or further processed, further evaluation should be done based upon such reformulation or processing, as well as upon its final composition and use.

**16. OTHER INFORMATION**

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**DISCLAIMER OF LIABILITY**

The information in this MSDS was obtained from sources, which we believe are reliable. **HOWEVER, THE INFORMATION IS PROVIDED WITHOUT ANY WARRANTY, EXPRESS OR IMPLIED, REGARDING ITS CORRECTNESS.** The conditions or methods of handling, storage, use and disposal of the product are beyond our control and may be beyond our knowledge. **FOR THIS AND OTHER REASONS, WE DO NOT ASSUME RESPONSIBILITY AND EXPRESSLY DISCLAIM LIABILITY FOR LOSS, DAMAGE OR EXPENSE ARISING OUT OF OR IN ANY WAY CONNECTED WITH THE HANDLING, STORAGE, USE OR DISPOSAL OF THIS PRODUCT.**

This MSDS was prepared and is to be used only for this product. If the product is used as a component in another product, this MSDS information may not be applicable.

Date: 16 May 2006  
Revision Date: None  
Changes: None