

## Material Safety Data Sheet

### SECTION 1: CHEMICAL PRODUCT AND COMPANY IDENTIFICATION

**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:** MSOL1047

**Product Name:** TANAKA PERFECT MIX

### SECTION 2: HAZARDS INFORMATION

#### Emergency Overview

Physical State: Liquid Color: Blue green Odor: Mild  
May cause temporary irritation to the eyes.  
Prolonged or repeated exposure may cause skin irritation.  
Spills may create a slipping hazard.

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

#### Hazard Ranking

	HMIS	NFPA
Health	1	1
Fire	1	1
Reactivity	0	0

### SECTION 3: COMPOSITION/INFORMATION ON INGREDIENTS

No reportable hazardous substances.

### SECTION 4: FIRST AID MEASURES

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

**SKIN:** Wash skin thoroughly with plenty of soap and water. Immediately remove contaminated clothing. Launder contaminated clothing before reuse. If irritation develops or 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.

**NOTE TO PHYSICIAN:** Treat symptomatically.

## **SECTION 5: FIRE FIGHTING MEASURES**

**FLASH POINT:** 252°F. (122°C)

**METHOD:** COC D92

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

**EXTINGUISHING MEDIA:** Carbon dioxide, dry chemical, foam or water fog. Water is ineffective but may be used to cool exposed containers; may cause frothing and splattering.

**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. If firefighters cannot work upwind to the fire, respiratory protective equipment must be worn.

## **SECTION 6: ACCIDENTAL RELEASE MEASURES**

**Ensure your own health and safety before attempting spill control or clean up. Take the proper precautions see Section 2 for Hazards Information, 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 advice from ecologist on the cleanup 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).

## **SECTION 7: HANDLING AND STORAGE**

**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.

**STORAGE:** KEEP OUT OF REACH OF CHILDREN! To avoid product degradation, water contamination should be avoided and minimum feasible handling temperatures should be maintained. Periods of exposure to high temperatures should be minimized.

**STORAGE TEMPERATURE:** Ambient  
**STORAGE PRESSURE:** Atmospheric

## SECTION 8: EXPOSURE CONTROLS, PERSONAL PROTECTION

### EXPOSURE GUIDELINES:

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

**EXPOSURE 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 check the manufacturer's recommendations. 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.

## SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES (TYPICAL)

<b>APPEARANCE:</b>	<u>Blue green</u>
<b>FLASH POINT:</b>	<u>252°F. (122°C) METHOD: COC D92</u>
<b>ODOR:</b>	<u>Mild</u>
<b>SPECIFIC GRAVITY:</b>	<u>0.86 – 0.88 @ 60 Deg. F</u>
<b>SOLUBILITY IN WATER:</b>	<u>Not Determined</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 Deg C:</b>	<u>7.10 centistokes</u>

## SECTION 10: STABILITY AND REACTIVITY

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

**INCOMPATIBILITY:** Strong oxidizing agents

**HAZARDOUS COMBUSTION PRODUCTS:** Burning or excessive heating may produce carbon monoxide, carbon dioxide and other harmful gases/vapors of incomplete combustion including the oxides of phosphorus and sulfur.

**POSSIBILITY OF HAZARDOUS REACTIONS:** None

## SECTION 11: TOXICOLOGICAL INFORMATION

**EYE IRRITATION:** Mild, temporary eye irritation may occur upon short-term exposure, based on component data.

**SKIN IRRITATION:** May cause slight skin irritation, based on component data. Long-term or repeated exposure may cause irritation with symptoms of redness, edema, drying and cracking of skin.

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

**ORAL TOXICITY:** The acute Oral LD50 in rats is >5 g/kg based on component data

**CHRONIC TOXICITY:** No Data

**CARCINOGENICITY:** This product contains petroleum base oils, which may be refined by various processes including severe solvent extraction, severe hydrocracking or severe hydrotreating. None of the oils require a cancer warning under the OSHA Hazard Communication Standard (29 CFR 1910.1200). These oils have not been listed in the National Toxicology Program Annual report nor have they been classified by the International Agency for Research on Cancer as carcinogenic to humans (Group I), probably carcinogenic to humans (Group 2A) or possibly carcinogenic to humans (Group 2B). The IP346 test has not been used to evaluate all the oils in this product.

**MUTAGENICITY:** No Data

**TERATOLOGY (BIRTH DEFECT) INFORMATION:** No Data

**REPRODUCTION INFORMATION:** No Data

## SECTION 12: ECOLOGICAL INFORMATION

This material is not expected to be readily biodegradable based on component data.

**CHEMICAL FATE INFORMATION:** Not determined.

### SECTION 13: DISPOSAL CONSIDERATIONS

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.

### SECTION 14: TRANSPORT INFORMATION

**USA DOT:** Not Regulated                      **UN/NA Number:** Not Regulated  
**RID/ADR:** Not Regulated  
**IMO:** Not Regulated  
**IATA:** Not Regulated

### SECTION 15: REGULATORY INFORMATION

#### 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	All ingredients are on the 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 substances) of any chemical substance listed under SARA 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 substances) of any chemical substance listed under SARA 313.

##### **SARA 312 CLASSIFICATIONS:**

Acute Hazard	Yes
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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 is not known to contain the 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.

#### **SECTION 16: OTHER INFORMATION**

##### **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: 5 September 2007

Revision Date: 01 May 2001

Changes: Format

Section 15: Regulatory Information