

Material Safety Data Sheet

SECTION 1: CHEMICAL PRODUCT AND COMPANY IDENTIFICATION

OLYMPIC OIL, LTD.
5000 W. 41st St., Cicero, IL 60804
TEL.: 708-876-7900
Monday - Friday 6:00 A.M. - 4:30 P.M.

PRODUCT NAME: ACE ALL SEASON PNEUMATIC TOOL OIL

MSDS NUMBER: MSOL509

SECTION 2: HAZARDS IDENTIFICATION

Emergency Overview

Physical State: Liquid Color: Pale yellow Odor: Mild
May cause slight, transient eye irritation.
Prolonged or repeated exposure may cause mild skin irritation.
Spills may create a slipping hazard.

Hazard Ranking

	HMIS	NFPA
Health	2	2
Fire	1	1
Reactivity	0	0

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

SECTION 3: COMPOSITION/INFORMATION ON INGREDIENTS

Ingredient	CAS No.	Concentration %
Solvent Dewaxed Heavy Paraffinic Distillate	64742-65-0	80 - 100
Proprietary Ingredient	Proprietary	1 - 10

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. Discard contaminated 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. At elevated temperatures, trace amounts of hydrogen sulfide may be evolved. Indications of overexposure to hydrogen sulfide include respiratory tract irritation, headache, dizziness, coughing, bronchial irritation and dryness, and in sufficient quantities, unconsciousness. In case of overexposure, move person to fresh air.

NOTE TO PHYSICIAN: Treat symptomatically.

SECTION 5: FIRE FIGHTING MEASURES

FLASH POINT: 406°F. (208°C)

METHOD OF DETERMINATION: COC D92

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

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. If firefighters cannot work upwind to the fire, respiratory protective equipment must be worn. Trace amounts of hydrogen sulfide may be present. Cool tanks and exposed containers with water. Material will float on water.

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 Emergency Overview, Section 8 for Personal Protection and Section 13 for Disposal Considerations.

SMALL SPILL: Personal protective equipment must be worn (see Person Protection section for recommendations). 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. In natural environments, cleanup on advice from ecologists. 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. Use appropriate containment to avoid environmental contaminations. Trace amounts of hydrogen sulfide may be present. Keep containers closed when not in use. Wash hands thoroughly after handling. To avoid product degradation, avoid water

contamination.

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	
	TWA	STEL	TWA	STEL
Solvent Dewaxed Heavy Paraffinic Distillate(Oil Mist)	5 mg/m ³	N/E	5 mg/m ³	10 mg/m ³
Additive Mixture (Oil Mist)	5 mg/m ³	N/E	5 mg/m ³	10 mg/m ³
Hydrogen sulfide		15 ppm		10 ppm

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. At elevated temperatures trace amounts of hydrogen sulfide may evolve.

SKIN PROTECTION: Use chemical resistant gloves to avoid prolonged or repeated skin contact. 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. Eye wash water should be available. Hard contact lenses should not be worn.

SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES (TYPICAL)

APPEARANCE: Pale yellow
FLASH POINT: 406 Deg. F (208 Deg. C) by COC D92
ODOR: Mild Petroleum
SPECIFIC GRAVITY: 0.85 – 0.87
SOLUBILITY IN WATER: Negligible
PHYSICAL STATE: Liquid
VAPOR PRESSURE: Not Determined
VAPOR DENSITY: Not Determined
PERCENT VOLATILE: Not Determined

BOILING POINT: Not Determined
VISCOSITY @ 40 Deg. C 19.0 – 26.0 centistokes

SECTION 10: STABILITY AND REACTIVITY

CHEMICAL STABILITY (CONDITIONS TO AVOID): 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 nitrogen, zinc, sulfur and phosphorous. Trace amounts of hydrogen sulfide may also be released.

POSSIBILITY OF HAZARDOUS REACTIONS: None

SECTION 11: TOXICOLOGICAL INFORMATION

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

SKIN IRRITATION: Mild skin irritation may occur upon short-term exposure, based on component data. Long-term exposure may cause redness, edema, drying and cracking of skin.

RESPIRATORY IRRITATION: No significant adverse health effects are expected to occur under normal conditions of use. At elevated temperatures, trace amounts of hydrogen sulfide may evolve. Indications of overexposure to hydrogen sulfide include respiratory tract irritation, headache, dizziness, coughing, bronchial irritation and dryness, and in sufficient quantities, unconsciousness. Exposure to petroleum mist at high levels may be irritating to the nose, throat and lungs, based on component data.

ORAL TOXICITY: No significant adverse health effects are expected to occur upon short-term exposure, based on component data.

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. The oils used in this product have not been evaluated by the IP346 test.

MUTAGENICITY: No Data

TERATOLOGY (BIRTH DEFECT) INFORMATION: No Data

REPRODUCTION INFORMATION: No Data

SECTION 12: ECOLOGICAL INFORMATION

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

ENVIRONMENTAL FATE INFORMATION: Component data indicates that plants and animals may experience harmful or fatal effects when coated with petroleum products.

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.

EMPTY CONTAINER WARNING: 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.

SECTION 14: TRANSPORT INFORMATION

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

SECTION 15: REGULATORY INFORMATION

GLOBAL REGULATORY INFORMATION

UNITED STATES (TSCA)	All ingredients are on the inventory.
Other TSCA	None known
CANADA (DSL)	Contains ingredients that may not be on the inventory.
EUROPEAN UNION (EINECS)	Contains ingredients that may not be on the inventory.
JAPAN (METI)	Contains ingredients that may not be on the inventory.
PHILIPPINES (PICCS)	Contains ingredients that may not be on the inventory.
SOUTH KOREA (KECL)	Contains ingredients that may not be on the inventory.
AUSTRALIA (AICS)	Contains ingredients that may not be on the inventory.
CHINA	Contains ingredients that may not be on the inventory.

U.S. REGULATORY INFORMATION

SARA III, SECTION 313: This product contains less than 1.0% zinc and less than 1% magnesium.

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

SARA 311 Classifications:

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

COMPREHENSIVE ENVIRONMENTAL RESPONSE, COMPENSATION AND LIABILITY ACT (CERCLA): This product contains less than 1.0% zinc and less than 1% magnesium.

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: 3 April 2008

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Revision Indicator: Format Update