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Material Safety Data Sheet
May be used to comply with
OSHA's Hazard Communication Standard,
29 CFR 1910.1200. Standard must be
consulted for specific requirements.

U.S. Department of Labor
Occupational Safety and Health Administration
(Non-Mandatory Form)
Form Approved
OMB No. 1218-0072

10/12/92

IDENTITY (As Used on Label and List)
Stihl 50:1 2-Cycle Oil

Note: Blank spaces are not permitted. If any item is not applicable, or no
information is available, the space must be marked to indicate that

Section I

Manufacturer's Name Olympic Oil, Ltd.	Emergency Telephone Number (708) 458-8500
Address (Number, Street, City, State and ZIP Code) 5000 W. 41st. Street	Telephone Number for Information (708) 458-8500
Cicero IL 69659	Date Prepared 12-4-89
	Signature of Preparer (optional)

Section II — Hazardous Ingredients/Identify Information

Hazardous Components (Specific Chemical Identity, Common Name(s))	OSHA PEL	ACGIH TLV	Other Limits Recommended	% (optional)
Refined Petroleum (base oil)	Oral	15g. g/kg		85%
Low Ash additive mixture (dispersant and anti-oxidant)	skin - minor irritant			6%
Solvent	Oral	500 mg/kg		9%

Section III — Physical/Chemical Characteristics

Boiling Point 760 mm Hg F	290	Specific Gravity (H ₂ O = 1)	87
Vapor Pressure (mm Hg)	Low	Melting Point	Unknown
Vapor Density (AIR = 1)	Less Than 1	Evaporation Rate (Butyl Acetate = 1)	Less Than 1
Solubility in Water			

Appearance and Odor

green color with a mild petroleum odor

Section IV — Fire and Explosion Hazard Data

Flash Point (Method Used) Cleveland open cup 200 F Typical	Flammable Limits 3	LEL	UEL
Extinguishing Media use dry chemical foam, carbon dioxide or water fog			
Special Fire Fighting Procedures use water to cool fire exposed containers			

Unusual Fire and Explosion Hazards

water may cause frothing, treat as a petroleum product fire.

(Reproduce locally)

PLAINTIFF'S EXHIBIT

BIR-1133

OSHA 174 Sec. 1985

BIRD 022692

Section V — Reactivity Data

Stability	Unstable		Conditions to Avoid None
	Stable	X	

Incompatibility (Materials to Avoid)

Strong Oxidants

Hazardous Decomposition or Byproducts

CO, CO₂

Hazardous Polymerization	May Occur		Conditions to Avoid None
	Will Not Occur	X	

Section VI — Health Hazard Data

Route(s) of Entry:	Inhalation? YES	Skin? NO	Ingestion? NO
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Health Hazards (Acute and Chronic)

Slightly Toxic, Approximate Lethal Oral Dose Is 1 Pint for 150 Pound Human Adult

Carcinogenicity:	NTP? NO	IARC Monographs? NO	OSHA Regulated? NO
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Signs and Symptoms of Exposure

Ingestion May Cause Headach, Drowsiness, Vomiting, Diarrhea, or Nausea.

Medical Conditions

Generally Aggravated by Exposure **Heart Rate Increase**

Emergency and First Aid Procedures

Inhalation - Remove to Fresh Air, Dermal - Wash with Soap and Water, Eyes Flush with Large Volumes of Water, Ingestion Do Not Induce Vomiting. Injection Emergency Seek Immediately.

Section VII — Precautions for Safe Handling and Use

Steps to Be Taken in Case Material is Released or Spilled

Remove sources of heat or ignition, Contain Spill with Suitable material. Report Spills To Local Authorities.

Waste Disposal Method

User Must Check Local and State Laws to Determine if the Material is a Hazardous Waste at the Time of Disposal

Precautions to Be Taken in Handling and Storing

Store Below 120°F

Other Precautions

Caution Empty Containers May Contain Product Residue Which Could Include Flammable or Explosive Vapors

Section VIII — Control Measures

Respiratory Protection (Specify type)

Use Respirator Approved for Organic Vapors and Mists

Ventilation	Local Exhaust	Special
	Required if Mist Exceeds 5mg/cu.m	N A
	Mechanical (General)	Other
	Explosion Proof	N A

Protective Gloves

Must be Oil Impervious.

Eye Protection

Wear Body Covering Work Clothes to Avoid Exposure.

Work/Hygienic Practices

Laundry Soiled Work Clothes Before Reuse.