

MATERIAL SAFETY DATA SHEET

OMNI SPECIALTY PACKAGING

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Packaged for Stihl Incorporated, 536 Viking Drive, Virginia Beach, VA 23452

MATERIAL SAFETY DATA SHEET May be used to comply 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.
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SECTION I GENERAL INFORMATION

PRODUCT NAME STIHL 2-CYCLE UNIVERSAL ENGINE OIL
 Product will be packaged in the containers with no less than 25% of post consumer resin.

SECTION II HAZARDOUS INGREDIENTS/IDENTITY INFORMATION

COMPONENT	WT.%	C.A.S. No	TLV(ACGIH; OSHA)
Petroleum Distillates, Hydrotreated Heavy Paraffinic	Blend	64742-54-7	5 mg/m ³
Petroleum Distillates, Solvent Dewaxed Heavy Paraffinic	Blend	64742-65-0	5 mg/m ³
Residual Oils (petroleum), Solvent Dewaxed	Blend	64742-62-7	5 mg/m ³
Residual Oils (petroleum), Hydrotreated	Blend	64742-57-0	5 mg/m ³
Stoddard Solvent	8	8052-41-3	525 mg/m ³
Additive Package	>7	Mixture	N/A
Dye	0.07	Mixture	N/A

The maximum percentage of the petroleum distillate and/or residual oil blend contained in this product is: 86%. All mineral oils used in this product have been severely hydrotreated and/or solvent refined. This product does not contain any substances known to the state of California to cause cancer, birth defects or other reproductive harm.

SECTION III PHYSICAL/CHEMICAL CHARACTERISTICS

Specific Gravity (H ₂ O=1)	0.88	Appearance and Odor	Blue liquid with mild petroleum odor
Solubility in Water	Negligible	pH	N/A
Flash Point (PM), °F (°C)	160 (71)	Solubility in Solvent	N/A
Pour Point, °F (°C)	0 - (-18)	%Volatiles By Wt.	Negligible
Vapor Pressure (mmHg)	N/A	Boiling Point, F°	N/A
Evaporation Rate (Butyl Acetate=1)	N/A	Kinematic Viscosity, cSt	77.5 @ 40°C; 10.05 @ 100°C

SECTION IV FIRE AND EXPLOSION HAZARD DATA

EXTINGUISHING MEDIA:
 Water xx Foam xx CO₂ xx Dry Chemicals xx
 Fog

SPECIAL FIRE FIGHTING PROCEDURES Wear full-face, self-containing breathing apparatus and impervious protective clothing. Avoid inhaling any combustion products. Direct water spray or foam may cause frothing and spattering. If a leak or spill has not ignited, use water spray to disperse vapors and to flush away from exposure.

UNUSUAL FIRE AND EXPLOSION HAZARDS Non Known.

SECTION V REACTIVITY DATA

Stable	xx	Unstable	Corrosive	No	Hazardous Polymerization?	Yes	No	xx
Incompatibilities:					Strong oxidizing agents.			
Hazardous Decomposition or Byproducts:					Decomposition may release oxides of sulfur, nitrogen, aldehydes, carbon monoxide, carbon dioxide and other low weight hydrocarbons.			

SECTION VI HEALTH HAZARD INFORMATION

OSHA Exposure Limit	5 mg/m ³ (Mist); 10 mg/m ³ (Mist, Short Term).		
EYE CONTACT	Eye irritant.	SKIN CONTACT	Prolonged or repeated contact may cause mild irritation and possibly dermatitis. Prolonged or repeated contact with skin may result in allergic skin sensitization reactions.
INHALATION	High vapor/aerosol concentrations (at elevated temperatures) cause irritation, headache, dizziness, anesthesia, drowsiness, unconsciousness and death. Repeated and prolonged overexposure to oil mists may result in droplet deposition, oil granuloma formation, inflammation and increased incidence of infection.	INGESTION	No significant adverse effects are expected upon ingestion of the product. If swallowed, can cause nausea, vomiting and diarrhea. Small amounts of this product, if aspirated into the lungs, may cause mild to severe pulmonary injury, possibly death.

SECTION VII EMERGENCY AND FIRST AID PROCEDURES

EYE CONTACT	Flush with water for 15 minutes thoroughly. Get medical attention if irritation develops or persists.
SKIN CONTACT	Remove contaminated clothing. Wash with soap and water. Get medical attention if skin disorder develops. Launder contaminated clothing before reuse.
INHALATION	Remove to fresh air. If not breathing, give mouth-to-mouth resuscitation. Get medical attention if symptoms persist.
INGESTION	DO NOT INDUCE VOMITING. Consult local poison control center or get medical attention.

SECTION VIII SPECIAL PROTECTION INFORMATION

	CONSUMER	BULK HANDLING (Prolonged Exposure)
RESPIRATORY PROTECTION	N/A	If mist is generated (heating, spraying) and engineering control are not sufficient, wear approved organic vapor respirator suitable for oil mist.
VENTILATION	Use with adequate ventilation.	General.
EYE PROTECTION	N/A	Goggles or full-face shield.
PROTECTIVE CLOTHING	Use impervious gloves for prolonged contact.	Oil-impervious gloves and apron.

SECTION IX PRECAUTIONS FOR SAFE HANDLING AND USE

SPILL OR LEAK PROCEDURE	Remove all sources of ignition. Wear appropriate protective equipment and clothing during clean up. Do not allow the spilled product to enter public drainage systems or open water sources. Clean up area with absorbent material and place in closed container for disposal.
WASTE DISPOSAL METHOD	Dispose in accordance with all applicable local, state and federal regulations.
STORAGE AND HANDLING PRECAUTIONS	Store away from heat, sparks, open flame or strong oxidizing agents. Do not store this material in open or unlabeled containers. "Empty" containers retain product residue (liquid and/or vapor) and can be dangerous. Do not pressurize, cut, weld, braze, solder, drill, grind, or expose used containers to heat, flame, sparks, static electricity, or other sources of ignition; they may explode. Avoid breathing mists and vapors, prolonged or repeated contact with this material. Avoid the generation of oil mists. Wash thoroughly after handling. Use this product with adequate ventilation.
OTHER PRECAUTIONS	Keep away from children and animals. Discharges or spills into or leading to surface waters that cause sheen must be reported to the National Response Center (1-800-424-8802).

SECTION X OTHER INFORMATION

NFPA Hazard Rating

- Health 1 Slight
- Fire 2 Moderate
- Reactivity 0 Least

Supersedes _____

OSHA Revised _____
Title _____

While Omni Specialty Packaging believes this data is accurate as of revision date, we make no warranty with respect to the data and we expressly disclaim all liability for reliance thereon. The data is offered solely for your information, investigation, and verification.

