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MATERIAL SAFETY DATA SHEET

Smitty's Supply Inc.

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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.

SECTION I GENERAL INFORMATION

PRODUCT NAME Super S Multi-Flo 5W-20, 5W-30, 10W-30, 10W-40, 20W-50, HD 30, HD 40

SECTION II HAZARDOUS INGREDIENTS/IDENTITY INFORMATION

COMPONENT	WT. %	Hazardous in Blend	TLV(ACGIHxxOSHA-)
Base Lubricants Oils Mixture	75-85	No	No Limit
Detergent/Inhibitor System Mixture	5-15	No	No Limit
Viscosity Index Improver Mixture	5-15	No	No Limit
Pour Point Depressant Mixture	<1	No	No Limit
Antifoam Additive Mixture	<1	No	No Limit

Comments: this product contains the following SARA Title III, Section 313 Chemicals: Zinc compounds (CAS#: none, Wt.%: 2.5).

All ingredients of this product are listed on the Toxic Substances Control Act (TSCA) Inventory.

SECTION III PHYSICAL/CHEMICAL CHARACTERISTICS

Specific Gravity (H ₂ O=1)	0.87	Appearance and Odor	Clear bright light brown liquid with petroleum odor
Solubility in Water	Negligible	pH	N/A
Flash Point (COC), °F	432	%Volatiles By Wt.	N/A
Pour Point, °F	- 30	Vapor Density (Air=1)	Not Determined
Evaporation Rate (Butyl Acetate= 1)	N/A	Vapor Pressure (mmHg)	<0.01

SECTION IV FIRE AND EXPLOSION HAZARD DATA

EXTINGUISHING MEDIA:

Water	Foam	xx	CO ₂	xx	Dry	xx
Fog					Chemicals	

SPECIAL FIRE FIGHTING PROCEDURES. Water may be ineffective but can be used to cool containers exposed to heat or flame. Caution should be exercised when using water or foam as frothing may occur, especially if sprayed into containers of hot, burning liquid.

UNUSUAL FIRE AND EXPLOSION HAZARDS. None Known.

SECTION V REACTIVITY DATA

Stable	xx	Unstable	Corrosive	No	Hazardous Polymerization?	Yes	No	xx
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Incompatibilities: Strong oxidizing agents.

Hazardous Decomposition or Byproducts: Decomposition and combustion products may include dense smoke, carbon dioxide, and carbon monoxide, and other oxides.

Effective Date: 01/01/2000

Date Printed: 19/09/2002

SECTION VI HEALTH HAZARD INFORMATION

Recommended TLV of Product	5 mg/m ³		
EYE CONTACT	Practically non-irritating to the eyes upon direct contact.	SKIN CONTACT	Minimally irritating upon direct contact. Prolonged or repeated contact may result in contact dermatitis, which is characterized by dryness, chapping, and reddening, and/or oil ache, which is characterized by blackheads with possible secondary infection.
INHALATION	This product is not expected to present as an inhalation hazard at ambient condition due to low vapor pressure.	INGESTION	Do not ingest. This product is relatively non-toxic by ingestion. It has laxative properties and may result in abdominal cramps and diarrhea.
OTHER	On rare occasions, prolonged and repeated exposure to oil mist poses a risk of pulmonary disease such as chronic lung inflammation. This condition is usually asymptomatic as a result of repeated small aspirations. Shortness of breath and cough are the most common symptoms.		

SECTION VII EMERGENCY AND FIRST AID PROCEDURES

EYE CONTACT	Immediately flush with large amount of water and continue flushing until irritation persists. If material is hot, treat for thermal burns and take victim to hospital immediately.
SKIN CONTACT	Wash with soap and water. Remove contaminated clothing and wash before re-use. If material is hot, submerge injured area in cold water. If victim is severely burned, remove to a hospital immediately.
INHALATION	This material is not expected to present an inhalation exposure at ambient conditions due to its low vapor pressure.
INDIGESTION	Do not induce vomiting. Seek medical attention.

SECTION VIII SPECIAL PROTECTION INFORMATION

RESPIRATORY PROTECTION	CONSUMER N/A	BULK HANDLING (Prolonged Exposure) Use NIOSH approved respirator or mask to prevent overexposure. Use self-contained breathing apparatus for entry into confined space, other poorly ventilated areas, and for large spill clean-up sites.
VENTILATION	Use with adequate ventilation.	General.
EYE PROTECTION	N/A	Goggles or full-face shield.
PROTECTIVE CLOTHING	N/A	Neoprene gloves and apron. If handling hot material, use insulated protective clothing. Properly dispose of contaminated leather articles including shoes, which cannot be decontaminated.

SECTION IX PRECAUTIONS FOR SAFE HANDLING AND USE

SPILL OR LEAK PROCEDURE	Observing health hazards described above, ventilate area. Dike to contain spill. Pick up free liquid for recycle and/or disposal. Residual liquid and/or solid can be absorbed on inert material. Keep from sewers and natural waterways.
WASTE DISPOSAL METHOD	Dispose in accordance with all local, state and federal regulations. Keep this product out of sewers and waterways.
STORAGE AND HANDLING PRECAUTIONS	Store in closed properly marked containers away from heat, sparks, open flame, or oxidizing materials. Fire extinguishers should be kept readily available. See NFPA 30 and OSHA 1910.106 – flammable and combustible liquids.
OTHER PRECAUTIONS	Wearing contact lenses is inadvisable. Keep away from children and animals.

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