

MATERIAL SAFETY DATA SHEET

SECTION 1 -- IDENTIFICATION

Product Trade Name: Spec-1 "Quatrol" Super Premium Hydraulic & Transmission Fluid
Revision Date: 07/22/03
Phone Number: (731) 645-4972
Fax Number: (731) 645-4810
E-mail Address: mbrowder@spectrumcorporation.com
Emergency Number: 800-424-9300 after 5:00 p.m.
Chemical Family: Petroleum Lubricating Oil

NOTE: Petroleum lubricating oils with a flashpoint above 200°F, are not regulated by D.O.T. standards.

SECTION 2 -- HAZARDOUS INGREDIENTS

<u>Name</u>	<u>CAS #</u>	<u>Approximate %</u>	<u>Regulatory Agency</u>	<u>Exposure Limit</u>
Base Oil (Mixture)	64742-54-7	80-93	OSHA/ACGIH	5mg/m3 Mist
Performance Additive	68649423	9-15	OSHA/ACGIH	no data
Performance Additive	85687	9-15	OSHA/ACGIH	no data
Anti-Foam (Silicone)	non hazardous	< 1	OSHA/ACGIH	N/A

HMIS/NFPA CODES

Health	Flammability	Reactivity	Protective Equipment
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See Section 6, Chronic Effects, for potential over-exposure hazard.

SECTION 3 -- PHYSICAL DATA

Vapor Pressure (mmHg) at 20°C: < 1
Specific Gravity at 60°F: 0.883
Water Solubility: Negligible
Boiling Point: 600+°F
Vapor Density (Air=1): > 1
Evaporation Rate (BUAC=1): < 1
Odor: Hydrocarbon Odor
Appearance: Light to Dark Amber Color
Viscosity at 100°C CST: 9.4

SECTION 4 -- FIRE AND EXPLOSION HAZARDS

Flash Point: 428°F
Fire Point: 462°F
Extinguishing Media: Water Fog, Chemical Foam, Dry Chemical Powder, CO2
Special Firefighting Procedures: Cool exposed containers with water spray. Avoid breathing fumes.
Unusual Fire and Explosion Hazards: Pressure increase in over heated closed containers. Cool containers with water spray.

SECTION 5 -- REACTIVITY DATA

Stability:	Stable
Incompatibility:	Avoid strong oxidants.
Polymerization:	Will not occur.
Thermal Decomposition:	Partial burning produces fumes, smoke and carbon monoxide.

SECTION 6 -- HEALTH HAZARD DATA

Inhalation:	Inhalation of fumes may result in dizziness, headache and respiratory irritation.
Eye Contact:	Contact with eyes may cause minimal irritation.
Skin Contact:	Mild irritation may occur with prolonged or repeated contact.
Ingestion:	Slightly toxic. Pulmonary aspiration hazard if vomiting occurs.
TLV:	5mg/m3 as mist. ACGIH 1984-85.
Chronic Effects:	Product has a low order of acute oral toxicity. Ingredients of this product are <u>not</u> listed as potential carcinogens in N.T.P. <u>Annual Report on Carcinogens</u> , I.A.R.C. <u>Monographs</u> , or by O.S.H.A. HCS (g) (2) (vii).

SECTION 7 -- SPECIAL PROTECTION INFORMATION

Ventilation Procedure:	Ventilate as needed to comply with exposure limit.
Gloves Protection:	Use impervious gloves to avoid repeated/prolonged skin contact.
Eye Protection:	Use goggles/face shield to avoid eye contact.
Work/Hygienic Practices:	If clothing becomes contaminated, change to fresh clean clothing. Do not wear until thoroughly laundered.

SECTION 8 -- SPILL OR LEAK PROCEDURES

Spill Procedures:	Remove ignition sources. Recover liquid. Add absorbent to spill area. Ventilate confined spaces. Advise authorities if product enters sewers, etc.
Waste Disposal:	Assure conformity with applicable disposal regulations. Dispose of absorbed material at approved waste site.

SECTION 9 -- SPECIAL PRECAUTIONS

Handling and Storage Precautions:	Keep containers closed when not in use. Do not handle or store near heat or flames. Use chemical resistant gloves and apron.
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EMERGENCY FIRST AID PROCEDURES

Skin:	Wash skin with soap and warm water. Wash clothing before re-use.
Eye:	If splashed into eyes flush eyes with clear water for five (5) minutes.

For Husqvarna Parts Call 606-678-9623 or 606-561-4983

Inhalation:

If overcome by fumes remove from exposure immediately.

Oral:

If ingested, do not induce vomiting. Call a physician.

The data presented herein is based upon tests and information, which we believe to be reliable. However, users should make their own investigations to determine the suitability of the information for their particular purpose.

SPECTRUM LUBRICANTS CORPORATION
 "TYPICAL SPECIFICATIONS"
SPEC-1 QUATROL TRACTOR TRANSMISSION FLUID

<u>TESTS</u>	<u>ASTM METHOD</u>	<u>RESULTS</u>
Kinematic Viscosity @100°C Min.	D-445	9.1
Shear Stability Viscosity @100°C	D-3945	7.8
Brookfield Viscosity @-20°C	D-2983	4.7
Brookfield Viscosity @-35°C	D-2983	54.3
Flash Point	D-92	221
Pour Point	D-97	-42
Oxidation Stability	JDQ-16	0.5 Max.
Viscosity Increase @100°C Max.		0.8
Sludge Formation		None
Additive Separation		None
Rust Protection Min.	JDQ-22	Pass
Copper Corrosion Max.	JDQ-32	1B
Color	D-1500	3.5
Foaming Characteristics	JDQ-33	0/0
Timken Abrasion Maxx Loss Max.	JDQ-34	.5
Timken OK Load Min.	JDQ-34	53
Rubber Compatibility	JDQ-9	-1
Reference 69X311111	JDQ-9	+3
Oil Compatibility	JDQ-23	None
Foaming Characteristics		0/0
Oxidation Stability/Evaporation Loss Max. Volume		1.0
Volume Change	JDQ-9	+3
Hardness Change	JDQ-9	-1
Precipitation	JDQ-9	None