



MATERIAL SAFETY DATA SHEET

SHP 15/40

TENNANT
701 North Lilac Drive
P.O. Box 1452
Minneapolis, MN 55440-1452

EMERGENCY PHONE NUMBERS:

CHEMTREC: (800) 424-9300 (24 hrs)
CANADA: CANUTEC (613) 996-6666 (24 hrs)

District of Columbia: (202) 483-7616 (24 hrs)
MSDS Requests: (800) 553-8033

PREPARATION INFO:

By: Kevin Hobbie
(763) 540-1471 (days)
(651) 649-0406 (nights)

This Material Safety Data Sheet (MSDS) has been prepared in compliance with the Federal OSHA Hazard Communication Standard 29 CFR 1910.1200. The information and recommendations contained herein are based upon data believed to be correct. However, no guarantee or warranty of any kind expressed or implied is made with respect to the information contained herein.

Issue Date:	4/6/01	HAZARD RATING	NFPA	HMIS	NFPA	HMIS	4 = Extreme	3 = High	0 = Insignificant
Supersedes:	3/1/98	Health	0	0	Reactivity	0	2 = Moderate	1 = Slight	COR = Corrosive
Printed:	6/27/01	Fire	1	1	Special	0			X = Ask supervisor for guidance.

***** I. IDENTIFICATION *****

PRODUCT NAME	SHP 15/40	US DEPT OF TRANSPORTATION (GROUN)
PART NUMBER:	65869	UN#: N.Ap. PACKAGING GROUP N.Ap.
CHEMICAL FAMILY	Petroleum Based Oil	HAZARD CLASSIFICATION Non Regulated
MATERIAL USE	Hydraulic Fluid	SHIPPING NAME N.Ap.

***** II. PHYSICAL DATA *****

BOILING POINT	>600°F / >316°C	FREEZE POINT	N.Av. / N.Av.
DENSITY	0.88 kg/L	% VOLATILE	N.Av.
SOLUBILITY IN WATER	Negligible	VAPOR PRESSURE	<0.1 mm Hg at 20 °C.
ODOR THRESHOLD:	N.Av.	pH:	N.Av.
PHYSICAL FORM:	Liquid	VAPOR DENSITY	N.Av. THAN AIR
APPEARANCE AND ODOR:	Amber/Mild Odor	COEFFICIENT WATER/OIL DISTRIBUTION:	N.Av.
EVAPORATION RATE:	N.Av.	VOC g/L (lb/gal):	()
MECHANICAL IMPACT:	N.Av.	STATIC DISCHARGE	N.Av.

***** III. INGREDIENTS *****

All components are included in the EPA Toxic Substances Control Act (TSCA) Chemical Substance Inventory. Hazardous ingredients, defined as Controlled Products by Canadian WHMIS, are identified by (H2D) after the chemical ingredient. This product has been classified in accordance with the hazard criteria of the CPR (Controlled Products Regulations) and the MSDS contains all of the information required by the CPR.

CHEMICAL	CAS #	% W	OSHA PEL ppm	ACGIH TLV TWA ppm	ACGIH TLV STEL ppm	LD50	LC50 INHALATION
2-Propenoic Acid, 2-Methyl-, Dodecyl Ester, Polymer with Methyl 2-Methyl-2-Propenoate and Tetradecyl 2-Methyl-2-Propenoate	68171-50-6	1-5	N.Av.	N.Av.	N.Av.	N.Av.	N.Av.
Distillates (Petroleum), Hydrotreated Heavy Naphthenic	64742-52-5	20-30	N.Av.	N.Av.	N.Av.	N.Av.	N.Av.
Distillates (Petroleum), Hydrotreated Heavy Paraffinic	64742-54-7	*	N.Av.	N.Av.	N.Av.	N.Av.	N.Av.
Distillates (Petroleum), Hydrotreated Light Paraffinic (H2D)	64742-55-8	<1	N.Av.	N.Av.	N.Av.	N.Av.	N.Av.
Distillates (Petroleum), Solvent- Dewaxed Heavy Paraffinic	64742-65-0	*	5 mg/m ³ mist	5 mg/m ³ mist	10 mg/m ³ mist	N.Av.	N.Av.

*Contains one or more of these base oils: Their combined weight is: >65%

SARA Title III Section 313 Information

Components present in this product at a level which could require reporting under this statute are:
None

California Proposition 65 Information

This product contains the following chemicals that have been designated as cancer and/or reproductive hazards under California Proposition 65.
None

****** IV. FIRE AND EXPLOSIVE HAZARD DATA ******

FLAMMABLE: No
FLAMMABLE LIMITS: % LEL: 0.6 % UEL: 7.0 **FLASH POINT:** >349°F / >176°C
EXTINGUISHING MEDIA: Use National Fire Protection Association (N.F.P.A.) Class B extinguishers (carbon dioxide, dry chemical or foam).
SPECIAL FIRE FIGHTING PROCEDURES: Water or foam may cause frothing. Use water to keep fire exposed containers cool. Water spray may be used to flush spills away from exposure. For fires in enclosed areas, firefighters must use self-contained breathing apparatus. Prevent runoff from entering streams, sewers, or drinking water supply.
UNUSUAL FIRE EXPLOSION HAZARD: None.

****** V. REACTIVITY DATA ******

STABILITY: Stable
HAZARDOUS POLYMERIZATION (May Occur/Will Not Occur): Will Not
CONDITIONS TO AVOID: Excessive heat.
INCOMPATIBILITY (materials to avoid): Strong oxidizing agents.
HAZARDOUS DECOMPOSITION PRODUCTS: Carbon monoxide.

****** VI. HEALTH HAZARD DATA ******

EFFECTS OF OVEREXPOSURE: **THRESHOLD LIMIT VALUE - See Section III for individual Ingredients.**
PRIMARY ROUTES OF ENTRY: Skin Contact
SKIN CONTACT/ABSORPTION: None.
EYE CONTACT: May cause irritation and discomfort. While working with this product, contact lenses should NOT be worn.
INGESTION (Swallowing): May produce nausea.
INHALATION (Breathing): None expected.
SUPPLEMENTAL HEALTH INFORMATION:
Ingredients are not carcinogenic, based on IARC and NTP lists.

****** VII. EMERGENCY AND FIRST AID PROCEDURES ******

SKIN CONTACT: Wash contact areas with soap and water. High pressure accidental injection through the skin requires immediate medical attention for possible incision, irrigation and/or debridement.
EYE CONTACT: Flush thoroughly with water. If irritation persists, call a physician.
INGESTION (Swallowing): CALL A PHYSICIAN OR POISON CONTROL CENTER. DO NOT attempt to induce vomiting. Drink large quantities of water.
INHALATION (Breathing): Remove to fresh air. If breathing difficulty persists or occurs later, consult a physician.

****** VIII. PREVENTIVE MEASURES ******

SPILL OR LEAK PROCEDURES: **STEPS TO BE TAKEN IN CASE MATERIAL IS RELEASED OR SPILLED:**
Keep spectators away. Floor may be slippery; use care to avoid falling. Dike and contain the spill with inert material (sand, earth, fuller's earth, etc.) and if appropriate, transfer the liquid and solid diking material to separate containers for recovery or disposal. Remove contaminated clothing promptly and wash affected skin areas with soap and water. Wash clothing before reuse. Keep spill out of all sewers and open bodies of water.
WASTE DISPOSAL METHOD: Dispose of in accordance with federal, state and local regulations.
SPECIAL PROTECTION INFORMATION: RESPIRATORY PROTECTION and VENTILATION:
No special requirements under ordinary conditions of use and with adequate ventilation.
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PROTECTIVE GLOVES (specify type): Impervious gloves; i.e., rubber
EYE PROTECTION (specify type) Chemical splash goggles
SKIN PROTECTION: Impervious gloves; i.e., rubber
SPECIAL PRECAUTIONS: PRECAUTIONS TO BE TAKEN IN HANDLING OR STORAGE:
Store in a cool (below 100 °F or 37.5°C), dry place.
OTHER PRECAUTIONS: Do not take internally. Avoid prolonged contact with skin; contaminated clothing should be removed immediately. Wash clothing before reuse. Avoid misting when handling.