

TENNANT CO -- 65869, SHP 15/40, HYDRAULIC FLUID -- 9150-00-930-7015

===== Product Identification =====

Product ID:65869, SHP 15/40, HYDRAULIC FLUID

MSDS Date:03/01/1998

FSC:9150

NIIN:00-930-7015

MSDS Number: CLFPZ

=== Responsible Party ===

Company Name:TENNANT CO

Address:701 N LILAC DR

Box:1452

City:MINNEAPOLIS

State:MN

ZIP:55440-1452

Country:US

Info Phone Num:612-540-1556/800-553-8033

Emergency

Phone Num:(800)424-9300

Preparer's Name:EARL KRUEGER

Chemtrec Ind/Phone:(800)424-9300

CAGE:59500

=== Contractor Identification ===

Company Name:TENNANT CO

Address:701 N LILAC DR

Box:1452

City:MINNEAPOLIS

State:MN

ZIP:55440-1452

Country:US

Phone:612-540-1556/800-553-8033

Contract Num:SP0450-01-M-LJ14

CAGE:59500

Company Name:TENNANT CO

Address:701 N LILAC DR

Box:1452

City:MINNEAPOLIS

State:MN

ZIP:55440-1452

Country:US

Phone:612-540-1556/800-553-8033

Contract Num:SP0450-01-M-LL89

CAGE:59500

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Composition/Information on Ingredients  
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Ingred Name:2-PROPENOIC ACID, 2-METHYL-, DODECYL ESTER, POLYMER WITH  
METHYL 2-METHYL-2-PROPENOATE AND TETRADECYL 2-METHYL-2-PROPENOATE

CAS:68171-50-6

&lt; Wt:5.

Other REC Limits:NOT PROVIDED

OSHA PEL:NOT AVAILABLE

ACGIH TLV:NOT AVAILABLE

ACGIH STEL:NOT AVAILABLE

Ingred Name:DISTILLATES (PETROLEUM), HYDROTREATED HEAVY NAPHTHENIC

CAS:64742-52-5

RTECS #:PY8035000

= Wt:22.61

Other REC Limits:NOT PROVIDED

OSHA PEL:NOT AVAILABLE

ACGI

H TLV:NOT AVAILABLE

ACGIH STEL:NOT AVAILABLE

Ingred Name:DISTILLATES (PETROLEUM), HYDROTREATED HEAVY PARAFFINIC  
(COMBINED WEIGHT BETWEEN THIS INGREDIENT AND INGREDIENT # 5 IS:

>65%)

CAS:64742-54-7

RTECS #:PY8035500

Fraction by Wt: SEE NAME

Other REC Limits:NOT PROVIDED

OSHA PEL:NOT AVAILABLE

ACGIH TLV:NOT AVAILABLE

ACGIH STEL:NOT AVAILABLE

Ingred Name:DISTILLATES (PETROLEUM), HYDROTREATED LIGHT PARAFFINIC  
(HZD)

CAS:64742-55-8

RTECS #:PY8036500

= Wt:.18

Other REC Limits:NOT PROVIDED

OSHA PEL:NOT AVAILABLE

ACGIH TLV:NOT AVAILABLE

ACGIH STEL:NOT AVAILABLE

Ingred Name:DISTILLATES (PETROLEUM), SOLVENT-DEWAXED HEAVY PARAFFINIC

CAS:64742-65-0

RTECS #:PY8038500

Fraction by Wt: SEE ING #3%

OSHA PEL:5 MG/M3 (AS MIST)

ACGIH TLV:5 MG/M3 (AS MIST)

ACGIH STEL:10 MG/M3 (AS MIST)

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Hazards Identification  
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Routes of Entry: Inhalation:NO Skin:YES Ingestion:NO

Reports of Carcinogenicity:NTP:NO IARC:NO OSHA:NO

Health Hazards Acute and Chronic

:SKIN CONTACT: NONE EXPECTED. EYE CONTACT: MAY CAUSE IRRITATION AND DISCOMFORT. INGESTION: MAY CAUSE NAUSEA. INHALATION: NONE EXPECTED.  
Explanation of Carcinogenicity:CHRONIC MOUSE SKIN PAINTING STUDIES OF SIMILAR OILS SHOWED NO EVIDENCE OF CARCINOGENIC EFFECTS.  
Effects of Overexposure:INGESTION: MAY CAUSE NAUSEA. EYES: MAY CAUSE IRRITATION AND DISCOMFORT.  
Medical Cond Aggravated by Exposure:NOT PROVIDED

===== First Aid Measures =====

First Aid: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: NOT EXPECTED TO BE A PROBLEM. HOWEVER, IF MORE THAN 1/2 PINT INGESTED, IMMEDIATELY GIVE 1-2 GLASSES OF WATER AND CALL PHYSICIAN, HOSPITAL EMERGENCY ROOM OR POISON CONTROL CENTER. DO NOT INDUCE VOMITING OR GIVE ANYTHING BY MOUTH TO AN UNCONSCIOUS PERSON. INHALATION: NOT EXPECTED TO BE A PROBLEM.

===== Fire Fighting Measures =====

Flash Point Method:SCC  
Flash Point:>165.6C, 330.F  
Autoignition Temp:Autoignition Temp Text:N. AV.  
Lower Limits:0.6  
Upper Limits:7.0  
Extinguishing Media:USE NATIONAL FIRE PROTECTION ASSOCIATION (NFPA) CLASS B EXTINGUISHERS (CARBON DIOXIDE, DRY CHEMICAL OR FOAM).  
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.

===== Accidental Release Measures =====

Spill Release Procedures:ABSORB ON FIRE RETARDANT TREATED SAWDUST, DIATOMACEOUS

EARTH, ETC. SHOVEL UP AND DISPOSE OF AT AN APPROPRIATE WASTE DISPOSAL FACILITY IN ACCORDANCE WITH CURRENT APPLICABLE LAWS AND REGULATIONS AND PRODUCT CHARACTERISTICS AT TIME OF DISPOSAL.

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===== Handling and Storage =====

Handling and Storage Precautions: STORE IN A COOL (BELOW 100F), 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.

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===== Exposure Controls/Personal Protection =====

Respiratory Protection: NO SPECIAL REQUIREMENTS UNDER ORDINARY CONDITIONS OF USE AND ADEQUATE VENTILATION.

Ventilation: NO SPECIAL REQUIREMENTS UNDER ORDINARY CONDITIONS OF USE AND ADEQUATE VENTILATION.

Protective Gloves: IMPERVIOUS GLOVES, I.E. RUBBER.

Eye Protection: CHEMICAL SPLASH GOGGLES

Other Protective Equipment: EYE WASH FACILITY.

Work Hygienic Practices: NOT PROVIDED

Supp

lemental Safety and Health

ABBREVIATION: N/A=NOT APPLICABLE OR NOT AVAILABLE. N/K=UNKNOWN. N/P=NOT PROVIDED. N/R=NOT RELEVANT. N/D=NOT DETERMINED. N/E=NOT ESTABLISHED.

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===== Physical/Chemical Properties =====

HCC: V6

NRC/State Lic Num: NOT RELEVANT

Boiling Pt: >315.6C, 600.F

Melt/Freeze Pt: M.P/F.P Text: N. AV.

Decomp Temp: Decomp Text: NOT PROVIDED

Vapor Pres: 1

Spec Gravity: 0.88

pH: NOT AVAILABLE

Viscosity: NOT PROVIDED

Evaporation Rate & Reference: