

VALVOLINE OIL -- TECTYL 846, CLASS I -- 8030-01-340-4866

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

Product ID:TECTYL 846, CLASS I

MSDS Date:02/10/1995

FSC:8030

NIIN:01-340-4866

Status Code:A

MSDS Number: CKSGH

=== Responsible Party ===

Company Name:VALVOLINE OIL

Address:3499 DABNEY DRIVE

Box:14000

City:LEXINGTON

State:KY

ZIP:40512

Country:US

Info Phone Num:606-357-7847/606-264-7000

Emergency Phone Num:80

0-ASHLAND/800-274-5263

CAGE:72527

=== Contractor Identification ===

Company Name:ADIRONDACK ELECTRONICS INC

Address:1991 CENTRAL AVENUE

Box:City:ALBANY

State:NY

ZIP:12205

Country:US

Phone:518-456-0203

Contract Num:N00104-97-G-7002-6481

CAGE:1A737

Company Name:VALVOLINE OIL CO

Address:3499 BLAZER PKY

Box:14000

City:LEXINGTON

State:KY

ZIP:40512

Country:US

Phone:606-357-7206 / 800-274-5263

CAGE:72527

===== Composition/Information on Ingredients =====

Ingred Name:RUSTPROOFING COM

POUND

Minumum % Wt:55.

Maxumum % Wt:60.

Other REC Limits:NONE RECOMMENDED

Ingrid Name:ALIPHATIC HYDROCARBON, (STODDARD TYPE)

CAS:8052-41-3

RTECS #:WJ8925000

Minumum % Wt:40.

Maxumum % Wt:45.

Other REC Limits:NONE RECOMMENDED

OSHA PEL:100 PPM

ACGIH TLV:100 PPM; 9596

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===== Hazards Identification =====

LD50 LC50 Mixture:NONE SPECIFIED BY MANUFACTURER.

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

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

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alth Hazards Acute and Chronic:EYES: IRRITATION. SKIN: IRRITATION,
REPEATED CONTACT MAY DRY SKIN AND CAUSE ALLERGIC SKIN REACTION.
INHALATION: SMALL AMOUNTS NOT LIKELY TO CAUSE HARMFUL EFFECTS.
LARGE AMOUNTS MAY BE HARMFUL. INGESTI ON: SMALL AMOUNTS NOT LIKELY
TO CAUSE HARMFUL EFFECTS. LARGE AMOUNTS MAY BE HARMFUL. ASPIRATION
HAZARD.

Explanation of Carcinogenicity:NONE

Effects of Overexposure:EYES: IRRITATION, STINGING, SWELLING. SKIN:

IRRITATION, REDNESS, DRYING, BURNS,
SKIN DAMAGE, ALLERGIC SKIN

REACTION, RASH, BLISTERING, SCALING. INHALATION: IRRITATION OF
NOSE, THROAT, AIRWAYS, CNS DE PRESSION, DIZZINESS, DROWSINESS,
NAUSEA, UNCONSCIOUSNESS, DEATH. INGESTION: STOMACH/INTESTINAL
UPSET, NAUSEA, DIARRHEA.

Medical Cond Aggravated by Exposure:CNS EFFECTS.

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

First Aid:EYES: FLUSH WITH LARGE AMOUNTS OF WATER. IF SYMPTOMS DEVELOP,
GET MEDICAL ATTENTION. SKIN: REMOVE CONTAMINATE

D CLOTHING. WASH

SKIN WITH SOAP AND WATER. IF SYMPTOMS PERSIST, GET MEDICAL ATTENTION. INHALATION: MOVE TO FRESH AIR. IF NOT BREATHING, GIVE CPR. IF BREATHING DIFFICULT GIVE OXYGEN. GET MEDICAL ATTENTION. INGESTION: DO NOT INDUCE VOMITING, LAY PATIENT ON LEFT SIDE. GET MEDICAL HELP.

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

Flash Point Method:PMCC

Flash Point:=-41.1C, 106.F

Lower Limits:1.0

Extinguishing Media:REGULAR FOAM, CARBON DIOXIDE, DRY CHEMICAL.

Fire Fighting Procedures:WATER OR FOAM MAY CAUSE FROTHING AND ENDANGER THE LIFE OF FIREFIGHTER. USE SCBA WITH FULLFACE PIECE OPERATED IN POSITIVE PRESSURE DEMAND MODE AND TURN-OUT GEAR & CHEMICAL RESISTANT PERSONAL PROTECTIVE EQUIPMENT.

Unusual Fire/Explosion Hazard:VAPORS, HEAVIER THAN AIR, MAY TRAVEL TO DISTANT IGNITION SOURCE AND FLASH BACK. NEVER USE WELDING/CUTTING TORCH ON OR NEAR DRUM (EVEN EMPTY), WHICH MAY EXPLODE.

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

Spill Release Procedures:ABSORB SMALL SPILLS ON ABSORBENTS. LARGE SPILLS: ELIMINATE IGNITION SOURCES. STOP SPILL, DIKE AREA. PREVENT FROM ENTERING DRAINS, SEWERS, STREAMS, OR OTHER BODIES OF WATER. RECOVER LIQUID TO SALVAGE. IF RUN-OFF OCCURS, NOTIFY AUTHORITIES.

Neutralizing Agent:NONE SPECIFIED BY MANUFACTURER.

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

Handling and Storage Precautions:KEEP AWAY FROM SOURCES OF IGNITION. USE

AND STORE IN AREAS WITH ADEQUATE VENTILATION. GROUND/BOND ALL 5-GAL AND LARGER CONTAINERS WHEN TRANSFERRING.

Other Precautions:EMPTY CONTAINERS OF THIS MATERIAL MAY BE HAZARDOUS DUE TO RETAINED RESIDUES (VAPOR, LIQUID, SOLID). DO NOT USE CUT/WELD TORCH ON CONTAINERS (EVEN EMPTY).

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

Respiratory Protection:RECOMMEND USING NIOSH/MSHA APPROVED AIR SUPPLIED RESPIRATOR IF WORKPLACE EXPOSURE LIMITS ARE EXCEEDED. ENGINEER

RING

OR ADMINISTRATIVE CONTROLS SHOULD BE IMPLEMENTED TO REDUCE EXPOSURE.

Ventilation:PROVIDE SUFFICIENT MECHANICAL (GENERAL AND/OR LOCAL EXHAUST) VENTILATION TO MAINTAIN EXPOSURE BELOW TLV(S).

Protective Gloves:WEAR IMPERVIOUS GLOVES.

Eye Protection:CHEMICAL SPLASH GOGGLES.

Other Protective Equipment:WEAR NORMAL WORK CLOTHING COVERING ARMS AND LEGS.

Work Hygienic Practices:WASH HANDS AFTER HANDLING AND BEFORE EATING, DRINKING, OR SMOKING. LAUNDRER CONTAMINATED CLOTHING BEFORE REUSE.

Supplemental Safety and Health

APPLICABLE SPECS: MIL-C-16173E, CLASS 1, GRADE 4.

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

HCC:F4

Boiling Pt:=157.2C, 315.F

Vapor Pres:2.0 MM HG

Vapor Density:1 (AIR=1)

Spec Gravity:0.870

Evaporation Rate & Reference:SLOWER THAN ETHYL ETHER

Appearance and Odor:LIQUID. AMBER COLOR.

Percent Volatiles by Volume:40-46

===== Stability and Reactivity Data =====

Stability Indicator/Materials to Avoid:YE

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STRONG OXIDIZING AGENTS.

Stability Condition to Avoid:STRONG OXIDIZING AGENTS.

Hazardous Decomposition Products:MAY FORM: CARBON DIOXIDE, CARBON MONOXIDE, SULFUR COMPOUNDS, VARIOUS HYDROCARBONS.

Conditions to Avoid Polymerization:WILL NOT UNDERGO HAZARDOUS POLYMERIZATION.

===== Disposal Considerations =====

Waste Disposal Methods:TRANSFER CONTAMINATED PRODUCT/ABSORBENT TO CONTAINERS FOR DISPOSAL. DISPOSE OF WASTE IN ACCORDANCE WITH LOCAL, STATE

AND FEDERAL REGULATIONS.

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