

SHERWIN-WILLIAMS

-- TRI-FLOW INDUSTRIAL LUBRICANT WITH TEFLON (AE

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MSDS Safety Information

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FSC: 6850

NIIN: 01-433-0041

MSDS Date: 05/06/1999

MSDS Num: CJPLB

Product ID: TRI-FLOW INDUSTRIAL LUBRICANT WITH TEFLON (AEROSOL), 20025

MFN: 01

Responsible Party

Cage: 09800

Name: SHERWIN-WILLIAMS

Address: 31500 SOLON ROAD

City: SOLON OH 44139

Info Phone Number: 800-247-3270

Emergency Phone Number: 216-566-2917

Review Ind: Y

Published: Y

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Contractor Summary

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Cage: 09800

Name: SHERWIN-WILLIAMS DIVERSIFIED BRANDS, INC.

Address: 26300 FARGO AVENUE

City: BEDFORD HEIGHTS OH 44146

Phone: 216-292-7400 OR 216-595-8634

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Item Description Information

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Item Name: PENETRATING FLUID

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Ingredients

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Cas: 74-98-6

RTECS #: TX2275000

Name: PROPANE. VP: 760.00

Percent by Wt: 10.

OSHA PEL: 1800 MG/M3;1000 PPM

ACGIH STEL: 2500

Cas: 106-97-8

RTECS #: EJ4200000

Name: BUTANE. VP: 760.00

Percent by Wt: 10.

OSHA PEL: 1000 PPM

ACGIH TLV: 1900 MG/M3;800 PPM

ACGIH STEL: NOT ESTABLISHED

Cas: 64742-96-7

Name: HEAVY ALIPHATIC SOLVENT NAPHTHA (PETROLEUM); (HEAVY ALIPHATIC SOLVENT).

VP: 1.00

Percent by Wt: 24.

Cas: 64742-63-8

RTECS #: PY8038000

Name: SOLVENT DEWAXED HEAVY NAPHTHENIC DISTILLATE (PETROLEUM); (NAPHTHENIC OIL)

Percent by Wt: 18.

ACGIH TLV: 5 MG/M3 AS M

Cas: 64742-52-5
 RTECS #: PY8035000
 Name: HYDROTREATED HEAVY NAPHTHENIC DISTILLATE (PETROLEUM); (HEAVY NAPHTHENIC PETROLEUM OIL)
 Percent by Wt: 2.
 OSHA PEL: 5 MG/M3
 ACGIH TLV: 5 MG/M3

Cas: 64742-53-6
 RTECS #: PY8036000
 Name: HYDROTREATED LIGHT NAPHTHENIC DISTILLATE (PETROLEUM); (HIGHLY REFINED NAPHTHENIC OIL)
 Percent by Wt: 3.
 OSHA PEL: 5 MG/M3
 ACGIH TLV: 5 MG/M3

Cas: 64741-96-4
 RTECS #: PY8040000
 Name: DISTILLATES (PETROLEUM), SOLVENT-REFINED HEAVY NAPHTHENIC; (HEAVY MINERAL OIL). VP: 0.10
 Percent by Wt: 19.
 OSHA PEL: 5 MG/M3
 ACGIH TLV: 5 MG/M3

Cas: 64742-65-0
 RTECS #: PY8038500
 Name: DISTILLATES (PETROLEUM), SOLVENT-DEWAXED HEAVY PARAFFINIC; (DISTILLATES, PETROLEUM, SOLVENT-DE)
 Percent by Wt: 3.
 OSHA PEL: 5 MG/M3
 ACGIH TLV: 5 MG/M3

Cas: 34590-94-8
 RTECS #: JM1575000
 Name: PROPANOL, 1(OR 2)-(2-METHOXYMETHYLETHOXY)-;
 ((2-METHOXYMETHYLETHOXYPROPANOL). VP: 0.40
 Percent by Wt: 2.
 OSHA PEL: 600 MG/M3;100 PPM
 ACGIH TLV: 606 MG/M3;100 PPM
 ACGIH STEL: 909 MG/M3;150 PPM

Cas: 628-63-7
 RTECS #: AJ1925000
 Name: AMYL ACETATE. VP: 4.00
 Percent by Wt: 2.
 OSHA PEL: 525 MG/M3;100 PPM
 ACGIH TLV: 532 MG/M3;100 PPM
 ACGIH STEL: NOT ESTABLISHED
 EPA Rpt Qty: 5000 LBS
 DOT Rpt Qty: 5000 LBS

Cas: 7440-39-3
 RTECS #: CQ8370000
 Name: BARIUM; (BARIUM (AS BA; TOTAL))
 Percent by Wt: .69
 ACGIH TLV: 0.5 MG/M3
 ACGIH STEL: NOT ESTABLISHED
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Health Hazards Data
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Route Of Entry Inds - Inhalation: YES

Skin: YES

Ingestion: NO

Carcinogenicity Inds - NTP: NO

IARC: NO

OSHA: NO

Effects of Exposure: ACUTE: IRRITATION OF EYES, SKIN AND RESPIRATORY SYSTEM. MAY CAUSE NERVOUS SYSTEM DEPRESSION. EXTREME OVEREXPOSURE MAY RESULT IN UNCONSCIOUSNESS AND POSSIBLY DEATH. SIGNS AND SYMPTOMS OF OVEREXPOSURE: HEADACHE, DIZZINESS, NAUSEA, AND LOSS OF COORDINATION ARE INDICATIONS OF EXCESSIVE EXPOSURE TO VAPORS OR SPRAY MISTS. REDNESS AND ITCHING OR BURNING SENSATION MAY INDICATE EYE OR EXCESSIVE SKIN EXPOSURE. CHRONIC: NO INGREDIENTS IN THIS PRODUCT IS AN IARC, NTP OR OSHA LISTED CARCINOGEN. REPORTS HAVE ASSOCIATED REPEATED AND PROLONGED OVEREXPOSURE TO SOLVENTS WITH PERMANENT BRAIN AND NERVOUS SYSTEM DAMAGE.

Signs And Symptoms Of Overexposure: SEE HEALTH HAZARDS.

Medical Condition Aggravated By Exposure: NONE GENERALLY RECOGNIZED.

First Aid: INHALATION: IF AFFECTED, REMOVE FROM EXPOSURE. RESTORE BREATHING. KEEP WARM AND QUIET. SKIN: WASH AFFECTED AREA THOROUGHLY WITH SOAP AND WATER. REMOVE CONTAMINATED CLOTHING AND LAUNDRY BEFORE RE-USE. EYES: FLUSH WITH LARGE AMOUNTS OF WATER FOR AT LEAST 15 MINUTES. GET MEDICAL ATTENTION. INGESTION: GET MEDICAL ATTENTION.

Handling and Disposal

Spill Release Procedures: REMOVE ALL SOURCES OF IGNITION. VENTILATE AND REMOVE WITH INERT ABSORBENT.

Waste Disposal Methods: WASTE FROM THIS PRODUCT MAY BE HAZARDOUS AS DEFINED UNDER RESOURCE CONSERVATION & RECOVERY ACT (RCRA) 40 CFR 261. WASTE MUST BE TESTED FOR IGNITABILITY AND EXTRACTABILITY TO DETERMINE APPLICABLE EPA HAZARDOUS WASTE NUMBERS. DO NOT INCINERATE. DEPRESSURIZE CONTAINER. DISPOSE OF I/A/W FEDERAL, STATE & LOCAL REGULATIONS REGARDING POLLUTION.

Handling And Storage Precautions: KEEP AWAY FROM HEAT, SPARKS, & OPEN FLAME. DURING USE & UNTIL ALL VAPORS ARE GONE: KEEP AREA VENTILATED - DO NOT SMOKE - EXTINGUISH ALL FLAMES, PILOT LIGHTS, AND HEATERS - TURN OFF STOVES, ELECTRIC TOOLS & APPLIANCES, & ANY OTHER SOURCES OF IGNITION.

Other Precautions: CONSULT NFPA CODE. USE APPROVED BONDING & GROUNDING PROC. CONTENTS UNDER PRESS. DO NOT PUNCTURE, INCINERATE/EXPOSE TO TEMP ABOVE 120°F. HEAT FROM SUNLIGHT, RADIATORS, STOVES, HOT WATER, & OTHER HEAT SOURCES COULD CAUSE CONTAINER TO BURST. DO NOT TAKE INTERNALLY. KEEP OUT OF REACH OF CHILDREN. INTENTIONAL MISUSE BY (SUPDAT)

Fire and Explosion Hazard Information

Flash Point Method: TCC

Flash Point: =4.4°C, 40°F

Lower Limits: 0.6%

Upper Limits: 9.5%

Extinguishing Media: CARBON DIOXIDE, DRY CHEMICAL, FOAM.

Fire Fighting Procedures: USE NIOSH APPROVED SCBA & FULL PROTECTIVE EQUIPMENT (FP N). WATER SPRAY MAY BE INEFFECTIVE. IF WATER IS USED, FOG NOZZLES ARE PREFERABLE. WATER MAY BE USED TO COOL CLOSED CONTAINERS TO PREVENT PRESSURE BUILD-UP AND POSSIBLE AUTOIGNITION OR EXPLOSION WHEN EXPOSED TO EXTREME HEAT.

Unusual Fire/Explosion Hazard: ISOLATE FROM HEAT, ELECTRICAL EQUIPMENT, SPARKS, & OPEN FLAME. CLOSED CONTAINERS MAY EXPLODE WHEN EXPOSED TO EXTREME HEAT. APPLICATION TO HOT SURFACES REQUIRES SPECIAL PRECAUTIONS. DURING EMERGENCY CONDITIONS OVEREXPOSURE TO DECOMPOSITION PRODUCT MAY CAUSE A HEALTH HAZ. SYMPTOMS MAY NOT BE IMMEDIATELY APPARENT. OBTAIN MED ATTENTION.

Control Measures

Respiratory Protection: IF PERSONAL EXPOSURE CANNOT BE CONTROLLED BELOW APPLICABLE LIMITS BY VENTILATION, WEAR A PROPERLY FITTED ORGANIC VAPOR/PARTICULATE RESPIRATOR APPPROVED BY NIOSH FOR PROTECTION AGAINST MATERIALS IN SEC TION 2.

Ventilation: LOCAL EXHAUST PREFERABLE. GENERAL EXHAUST ACCEPTABLE IF THE EXPOSURE TO MATERIALS IN SECTION 2 IS MAINTAINED BELOW APPLICABLE EXPOSURE LIMITS. (SUPDAT)

Protective Gloves: CHEMICAL RESISTANT GLOVES.

Eye Protection: ANSI APPROVED CHEMICAL WORKERS GOGGLES (FP N).

Other Protective Equipment: ANSI APPROVED EYE WASH AND DELUGE SHOWER (FP N).

Work Hygienic Practices: WASH HANDS AFTER USING.

Supplemental Safety and Health: OTHER PREC: DELIBERATELY CONCENTRATING AND INHALING THE CONTENTS CAN BE HARMFUL OR FATAL. USE ONLY WITH ADEQUATE VENTILATION. AVOID BREATHING VAPOR AND SPRAY MIST. AVOID CONTACT WITH SKIN AND EYES. VE NT: REFER TO OSHA STANDARDS 1910.94, 1910.107, 1910.108.

Physical/Chemical Properties

Boiling Point: <-17.8C, 0.F

B.P. Text: <0-701F

Vapor Pres: SEE INGREDIENTS

Vapor Density: HVR/AIR

Spec Gravity: 0.78

Evaporation Rate & Reference: FASTER THAN ETHER

Percent Volatiles by Volume: 56

Reactivity Data

Stability Indicator: YES

Stability Condition To Avoid: NONE KNOWN.

Materials To Avoid: NONE KNOWN.

Hazardous Decomposition Products: BY FIRE: CARBON DIOXIDE, CARBON MONOXIDE, OXIDES OF METALS IN SECTION 2.

Hazardous Polymerization Indicator: NO

Conditions To Avoid Polymerization: WILL NOT OCCUR.

Toxicological Information

Ecological Information

MSDS Transport Information

Regulatory Information

Sara Title III Information: SARA 313 (40 CFR 372.65C) SUPPLIER NOTIFICATION: CHEMICAL/COMPOUND: BARIUM COMPOUND, % BY WT: 3, % ELEMENT: 0.7.

Federal Regulatory Information: TSCA CERTIFICATION: ALL CHEMICALS IN THIS PRODUCT ARE LISTED, OR ARE EXEMPT FROM LISTING, ON THE TSCA INVENTORY.

Other Information

Other Information: DOL STORAGE CATEGORY: 1A.

Transportation Information

Responsible Party Cage: 09800
Trans ID NO: 150039
Product ID: TRI-FLOW INDUSTRIAL LUBRICANT WITH TEFLON (AEROSOL), 20025
MSDS Prepared Date: 05/06/1999
Review Date: 11/16/1999
MFN: 1
Multiple KIT Number: 0

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Detail DOT Information

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DOT PSN Code: AGC
DOT Proper Shipping Name: AEROSOLS, FLAMMABLE,
DOT PSN Modifier: (EACH NOT EXCEEDING 1 L CAPACITY)
Hazard Class: 2.1
UN ID Num: UN1950
Label: FLAMMABLE GAS
Special Provision: N82
Non Bulk Pack: NONE
Bulk Pack: NONE
Max Qty Pass: 75 KG
Max Qty Cargo: 150 KG
Vessel Stow Req: A
Water/Ship/Other Req: 40,48,85

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Detail IMO Information

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IMO PSN Code: AKD
IMO Proper Shipping Name: AEROSOLS o
IMDG Page Number: 2102
UN Number: 1950
UN Hazard Class: 2(T)
IMO Packaging Group: -
Subsidiary Risk Label: T
EMS Number: 2-13
MED First Aid Guide NUM: 620

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Detail IATA Information

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IATA PSN Code: ALS
IATA UN ID Num: 1950
IATA Proper Shipping Name: AEROSOLS, FLAMMABLE
IATA PSN Modifier: (EACH NOT EXCEEDING 1 L CAPACITY)
IATA UN Class: 2.1
IATA Label: FLAMMABLE GAS
Packing Note Passenger: 203
Max Quant Pass: 75KG
Max Quant Cargo: 150KG
Packaging Note Cargo: 203

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Detail AFI Information

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AFI PSN Code: ALR
AFI Symbols: *
AFI Proper Shipping Name: AEROSOLS, FLAMMABLE, N.O.S.
AFI PSN Modifier: (EACH NOT EXCEEDING 1L CAPACITY)
AFI Hazard Class: 2.1
AFI UN ID NUM: UN1950
Special Provisions: P4
Back Pack Reference: A6.3

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HAZCOM Label

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Product ID: TRI-FLOW INDUSTRIAL LUBRICANT WITH TEFLON (AEROSOL), 20025
 Cage: 09800
 Company Name: SHERWIN-WILLIAMS DIVERSIFIED BRANDS, INC.
 Street: 26300 FARGO AVENUE
 City: BEDFORD HEIGHTS OH
 Zipcode: 44146
 Health Emergency Phone: 216-566-2917
 Label Required IND: Y
 Date Of Label Review: 08/12/1999
 Status Code: C
 Origination Code: F
 Chronic Hazard IND: Y
 Eye Protection IND: YES
 Skin Protection IND: YES
 Signal Word: DANGER
 Respiratory Protection IND: YES
 Health Hazard: Moderate
 Contact Hazard: Moderate
 Fire Hazard: Severe
 Reactivity Hazard: None
 Hazard And Precautions: FLAMMABLE. ACUTE: IRRITATION OF EYES, SKIN AND
 RESPIRATORY SYSTEM. MAY CAUSE NERVOUS SYSTEM DEPRESSION. EXTREME OVEREXPOSURE
 MAY RESULT IN UNCONSCIOUSNESS AND POSSIBLY DEATH. SIGNS AND SYMPTOMS OF OVE
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 CHRONIC: REPORTS HAVE ASSOCIATED REPEATED AND PROLONGED OVEREXPOSURE TO
 SOLVENTS WITH PERMANENT BRAIN AND NERVOUS SYSTEM DAMAGE.

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