

PRESTONE PRODUCTS CORPORATION -- HEAVY DUTY BRAKE FLUID AS401 -- 9150-00F054444

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Product Identification  
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Product ID:HEAVY DUTY BRAKE FLUID AS401

MSDS Date:04/07/1997

FSC:9150

NIIN:00F054444

MSDS Number: CFXWT

=== Responsible Party ===

Company Name:PRESTONE PRODUCTS CORPORATION

Address:39 OLD RIDGEBURY ROAD

City:DANBURY

State:CT

ZIP:06810-5109

Country:US

Info Phone Num:203-830-7800

Emergency Phone Num:203-830-7800

CAGE:E0340

=== Contractor Identification ===

Company Name:PRESTONE PRODUCTS CORPORATION

Address:55 FEDERAL ROAD

City:DANBURY

State:CT

ZIP:06810

Country:US

Phone:203-830-7865

CAGE:E0340

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Composition/Information on Ingredients  
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Ingred Name:DIETHYLENE GLYCOL METHYL ETHER, 2-(2-METHOXYETHOXY) ETHANOL  
METHYL CARBITOL

CAS:111-77-3

RTECS #:KL6125000

Fraction by Wt: 0-5%

Ingred Name:DIETHYLENE GLYCOL ETHYL ETHER, CARBITOL, CARBITOL  
CELLOSOLVEETHOXY DIGLYCOL, 2-(2-ETHOXYETHOXY)-ETHANOL

CAS:111-90-0

RTECS #:KK8750000

Fraction by Wt: 0-10%

Ingrid Name:TERGITOL NONIONIC XD, TERGITOL XD  
CAS:9038-95-3  
RTECS #:MD0911000  
Fraction by Wt: 0-10%

Ingrid Name:TRIETHYLENE GLYCOL  
CAS:112-27-6  
RTECS #:YE4550000  
Fraction by Wt: 0-10%

Ingrid Name:2-(2-PROPYOXYETHOXY)ETHANOL  
CAS:6881-94-3  
Fraction by Wt: 0-5%

Ingrid Name:PROPRIETARY ADDITIVES  
Fraction by Wt: 0-5%

Ingrid Name:BUTOXYTRIGLYCOL  
CAS:143-22-6  
RTECS #:KJ9450000  
Fraction by Wt: 0-70%

Ingrid Name:METHOXYTRIGLYCOL  
CAS:112-35-6  
RTECS #:KL6390000  
Fraction by Wt: 0-40%

Ingrid Name:TRIETHYLENE GLYCOL MONOETHYL ETHER \*97-3\*  
CAS:112-50-5  
RTECS #:KK8950000  
Fraction by Wt: 0-70%

Ingrid Name:POLYETHYLENE GLYCOL; POLYOXYETHYLENE; PEG 400; PEG 75; PEG  
4000; PEG 8000 \*97-3\*  
CAS:25322-68-3  
RTECS #:TQ3500000  
Fraction by Wt: 0-80%  
Other REC Limits:10 MG/CUM

Ingrid Name:TETRAETHYLENE GLYCOL, MONOBUTYL ETHER  
CAS:1559-34-8  
Fraction by Wt: 0-80%

Ingred Name:PENTAETHYLENE GLYCOL \*97-3\*  
CAS:4792-15-8  
RTECS #:RZ2670000  
Fraction by Wt: 0-80%

Ingred Name:GLYCOL ETHERS, DIETHYLENE GLYCOL, 2,2-OXYBISETHANOL  
CAS:111-46-6  
RTECS #:ID5950000  
Fraction by Wt: 0-80%

Ingred Name:POLYETHYLENE GLYCOL ETHYL ETHER  
CAS:27879-07-8  
Fraction by Wt: 0-80%

Ingred Name:TETRAETHYLENE GLYCOL  
CAS:112-60-7  
RTECS #:XC2100000  
Fraction by Wt: 0-80%

Ingred Name:POLYETHYLENE GLYCOL MONOMETHYL ETHER \*97-3\*  
CAS:9004-74-4  
RTECS #:PE2630000  
Fraction by Wt: 0-25%

Ingred Name:TETRAETHYLENE GLYCOL MONOMETHYL ETHER  
CAS:23783-42-8  
Fraction by Wt: 0-20%

Ingred Name:POLYETHYLENE GLYCOL BUTYL ETHER  
CAS:9004-77-7  
Fraction by Wt: 0-25%

Ingred Name:2-(2-BUTOXYETHYOXY)-ETHANOL, DIETHYLENE GLYCOL MONOBUTYL  
ETHER (BUTYL CARBITOL) \*97-3\*  
CAS:112-34-5  
RTECS #:KJ9100000  
Fraction by Wt: 0-10%

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Hazards Identification  
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Routes of Entry: Inhalation:YES Skin:NO Ingestion:YES  
Reports of Carcinogenicity:NTP:NO IARC:NO OSHA:NO

Health Hazards Acute and Chronic: INHALATION: IRRITATING TO RESPIRATORY/MUCOUS MEMBRANES. SKIN: IRRITATION/DERMATITIS W/PROLONGED/REPEATED CONTACT. EYES: IRRITANT, POSSIBLE CORNEAL DAMAGE. INGESTION: LARGE AMOUNTS MAY CAUSE CNS DEPRESSION & KIDNEY/LIVER DAMAGE. CHRONIC EFFECTS, ACIDOSIS. GI IRRITANT. CAUSES ADVERSE REPRODUCTIVE EFFECTS/RENAL FAILURE.

Explanation of Carcinogenicity: NONE

Effects of Overexposure: IRRITATION, GASTROINTESTINAL DISTURBANCES, NAUSEA, VOMITING, DIARRHEA, NASAL DISCOMFORT & DISCHARGE, DROWSINESS, GI DISCOMFORT, HEADACHE, DIZZINESS, NARCOSIS, SLURRED SPEECH, BLURRED VISION

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First Aid Measures  
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First Aid: INHALATION: REMOVE TO FRESH AIR. SKIN: WASH W/SOAP & WATER. EYES: IMMEDIATELY FLUSH W/COPIOUS AMOUNTS OF WATER USING A STEADY STREAM FOR A MINIMUM OF 15 MINS. INGESTION: DON'T GIVE ANYTHING BY MOUTH IF UNCONSCIOUS. OBTAIN MEDICAL ATTENTION IN ALL CASES. NOTES TO PHYSICIAN: TREATMENT SHOULD BE DIRECTED AT THE CONTROL OF SYMPTOMS & CLINICAL CONDITIONS.

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Fire Fighting Measures  
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Flash Point Method: PMCC

Flash Point: 218-275F

Extinguishing Media: WATER FOG, FOAM, ALCOHOL FOAM, CO2/DRY CHEMICAL

Fire Fighting Procedures: COOL FIRE EXPOSED CONTAINERS W/WATER. WEAR POSITIVE PRESSURE SCBA & FULL PROTECTIVE CLOTHING FOR FIRES IN AREAS WHERE CHEMICALS ARE USED/STORED.

Unusual Fire/Explosion Hazard: A DIRECT STREAM OF WATER/FOAM MAY CAUSE FROTHING.

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Accidental Release Measures  
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Spill Release Procedures: WEAR APPROPRIATE PROTECTIVE CLOTHING & EQUIPMENT. COLLECT MATERIAL W/ABSORBENT MATERIAL & PLACE IN APPROPRIATE LABELED CONTAINER FOR DISPOSAL.

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Handling and Storage  
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Handling and Storage Precautions: KEEP CONTAINERS CLOSED WHEN NOT IN USE. STORE IN A COOL, DRY AREA. KEEP AWAY FROM EXCESSIVE HEAT/OPEN FLAMES. USE W/ADEQUATE VENTILATION.

Other Precautions: DON'T REUSE EMPTY CONTAINERS UNLESS CLEANED. DON'T CUT, WELD, DRILL CONTAINERS, EVEN EMPTY. AVOID EYE CONTACT & PROLONGED SKIN CONTACT. AVOID BREATHING VAPORS/MISTS.

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Exposure Controls/Personal Protection  
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Respiratory Protection: FOR OPERATIONS WHERE EXPOSURES MAY BE EXCESSIVE, A NIOSH/MSHA APPROVED RESPIRATOR W/AN ORGANIC VAPOR CARTRIDGE & A DUST/MIST PREFILTER/SUPPLIED AIR RESPIRATOR IS RECOMMENDED.

Ventilation: GENERAL FOR NORMAL USE. MECHANICAL/LOCAL EXHAUST: FOR OPERATIONS WHERE PRODUCT IS HEATED/MISTED & EXPOSURES IS EXCESSIVE

Protective Gloves: POLYVINYL CHLORINE COATED

Eye Protection: SPLASH PROOF GOGGLES

Other Protective Equipment: PROTECTIVE CLOTHING, EYE WASHING/FLUSHING FACILITIES

Work Hygienic Practices: REMOVE/LAUNDRER CONTAMINATED CLOTHING BEFORE REUSE. WASH EXPOSED SKIN THOROUGHLY W/SOAP & WATER AFTER USE.

Supplemental Safety and Health

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Physical/Chemical Properties  
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Boiling Pt: B.P. Text: >430F

Melt/Freeze Pt: M.P/F.P Text: <-40F

Vapor Density: >1

Spec Gravity: 8.5-8.7

pH: 9-9.8

Solubility in Water: COMPLETE

Appearance and Odor: CLEAR AMBER/YELLOW LIQUID W/MILD ODOR

Percent Volatiles by Volume: 100

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Stability and Reactivity Data  
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Stability Indicator/Materials to Avoid: YES

NITRITES, NITROSATING AGENTS, STRONG OXIDIZING AGENTS

Hazardous Decomposition Products: CO, CO2, NITROGEN OXIDES, NITROSAMINE

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Disposal Considerations  
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Waste Disposal Methods: RECYCLE, INCINERATE, TREAT/LANDFILL IN ACCORDANCE W/LOCAL, STATE & FEDERAL REGULATIONS.

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