

COOPER INDUSTRIES INC, WAGNER BRAKE DIV -- PREMIUM PLUS BRAKE FLUID,H-121,GLYCOL
ETHER -- 9150-01-052-6762

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

Product ID:PREMIUM PLUS BRAKE FLUID,H-121,GLYCOL ETHER

MSDS Date:08/01/1991

FSC:9150

NIIN:01-052-6762

MSDS Number: BMDVB

=== Responsible Party ===

Company Name:COOPER INDUSTRIES INC, WAGNER BRAKE DIV

Address:3700 FOREST PARK BLVD

City:ST LOUIS

State:MO

ZIP:

63018

Country:US

Info Phone Num:314-537-8700

Emergency Phone Num:314-537-8700

CAGE:01957

=== Contractor Identification ===

Company Name:COOPER INDUSTRIES INC

Address:16500 SOUTH MAIN

Box:419

City:MISSOURI CITY

State:TX

ZIP:77459

Country:US

Phone:713-499-8511

CAGE:01957

Company Name:FEDERAL MOGUL CORP /SUB WAGNER BRAKE

Address:6565 WELLS AVE

Box:7224

City:SAINT LOUIS

State:MO

ZIP:63177

Country:US

Phone:800-323-5473

CAGE:63477

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

Ingred Name:DIETHYLENE GLYCOL MONOBUTYL ETHER

CAS:112-34-5

RTECS #:KJ9100000

Fraction by Wt: 10 - 20%

Other REC Limits:NONE SPECIFIED

Ingred Name:POLYOXYPROPYLENE GLYCOL

CAS:25322-69-4

RTECS #:TR5250000

Fraction by Wt: 10 - 12%

Other REC Limits:NONE SPECIFIED

Ingred Name:ETHANOL, 2-(2-(2-BUTOXYETHOXY)ETHOXY)-/TRIETHYLENE GLYCOL
MONOBUTYL ETHER

CAS:143-22-6

RTECS #:KJ9450000

Fraction by Wt: 30 - 40%

Other REC Limits:NONE SPECIFIED

OSHA PEL:NOT ESTABLISHED.

ACGIH TLV:NOT ESTABLISHED.

Ingred

Name:DI-/TETRAETHYLENE GLYCOL MIXTURE

Fraction by Wt: 20 - 25%

Other REC Limits:NONE SPECIFIED

OSHA PEL:NOT ESTABLISHED.

ACGIH TLV:NOT ESTABLISHED.

Ingred Name:DIETHYLENE GLYCOL, MIXED ALKYL ETHER (C-C6)

Fraction by Wt: 5 - 10%

Other REC Limits:NONE SPECIFIED

OSHA PEL:NOT ESTABLISHED.

ACGIH TLV:NOT ESTABLISHED.

Ingred Name:TRIETHYLENE GLYCOL, MIXED ALKYL ETHERS (C1-C6)

Fraction by Wt: 5 - 10%

Other REC Limits:NONE SPECIFIED

OSHA PEL:NOT ESTABLISHED.

ACGIH TLV:NOT ESTABLISHED.

=====

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

LD50 LC50 Mixture:LD50 (ORAL RAT) IS NOT AVAILABLE

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

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

Health Hazards Acute and Chronic:ACUTE-EYE:WILL CAUSE TEARING & BURNING.SKIN:CAUSES MILD IRRITATION,DRY PATCHES & REDNESS.CAN BE ABSORBED IN TOXIC AMOUNTS.INHALE:MAY CAUSE IRRITATION,DIZZINESS,HEADACHE.ORAL:MAY CAUSE ABDOMINAL PAIN,DIZZINESS,UNCOORDINATION,CONFUSION & UNCONSCIOUSNESS.MAY BE

FATAL.CHRONIC-MAY RESULT IN LIVER & KIDNEY DAMAGE & FATIGUE.

Effects of Overexposure:WILL CAUSE TEARING & BURNING OF EYES. CAUSES MILD SKIN IRRITATION, DRY PATCHES & REDNESS. CAN BE ABSORBED IN TOXIC AMOUNTS. INHALATION MAY CAUSE IRRITATION, DIZZINESS, HEADACHE. ORALLY MAY CAUSE ABDOMINAL PAIN, DIZZINESS, UNCOORDINATION, CONFUSION & UNCONSCIOUSNESS. MAY BE FATAL IF INGESTED.

Medical Cond Aggravated by Exposure:NONE KNOWN.

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

First Aid:GET MEDICAL HELP IF SYMPTOMS PERSIST.INHALED:REMOVE TO FRESH AIR.PROVIDE CPR/OXYGEN IF NEEDED.EYES:FLUSH WITH WATER FOR 15 MINUTES HOLDING EYELIDS OPEN.SKIN:WIPE EXCESS & WASH SKIN WITH SOAP & WATER.O RAL:IF CONSCIOUS,DRINK LARGE AMOUNT OF WATER.SEEK MEDICAL ADVICE.

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

Flash Point Method:COC

Flash Point:>200F,>93C

Extinguishing Media:WATER SPRAY, CO2, FOAM, HALON, OR DRY CHEMICAL.

Fire Fighting Procedures:WEAR FIRE FIGHTING PROTECTIVE EQUIPMENT AND A FULL FACED SELF CONTAINED BREATHING APPARATUS IN + PRESSURE MODE. COOL FIRE EXPOSED CONTAINERS WITH WATER SPRAY.

Unusual Fire/Explosion Hazard:NONE KNOWN.

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

Spill Release Procedures:ELIMINATE ALL SOURCES OF IGNITION.STOP LEAK.DIKE THE SPILLS.USE PUMP TO TRANSFER LARGE SPILLS TO CONTAINER FOR DISPOSAL.REMAINING LIQUID/SM

ALL SPILLS CAN BE TAKEN UP ON SAND,CLAY,EARTH & SHOVELED INTO CONTAINERS.PREVENT RUN-OFF TO ENTER WATERWAYS.

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

Handling and Storage Precautions:STORAGE-STORE IN COOL,DRY WELL VENTILATED PLACE,AWAY FROM HEAT,FLAME & STRONG OXIDANTS.
Other Precautions:"EMPTY" CONTAINERS MAY RETAIN RESIDUE AND CAN BE DANGEROUS.DO NOT PRESSURIZE,CUT,WELD,BRAZE,SOLDER,DRILL,GRIND OR EXPOSE SUCH CONTAINERS TO HEAT,FLAME,SPARKS.THE Y MAY EXPLODE AND CAUSE INJURY/DEATH.AV OI D PROLONGED CONTACT WITH SKIN.

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

Respiratory Protection:IF HIGH VAPOR OR MIST CONCENTRATIONS EXPECTED, USE NIOSH APPROVED RESPIRATOR FOR ORGANIC VAPORS AND MISTS OR SUPPLIED AIR RESPIRATORY EQUIPMENT.
Ventilation:LOCAL EXHAUST, IN ADDITION TO GENERAL VENTILATION WHEN OCCUPATIONAL EXPOSURE LIMIT IS EXCEEDED.
Protective Gloves:OIL IMPERVIOUS (NEOPRENE,NITRILE RUBBER)
Eye Protection:CHEMICAL SPLASH GOGGLES/SAFETY GLASSES
Other Protective Equipment:EYE WASH STATION AND SAFETY SHOWER. INDUSTRIAL-TYPE WORK CLOTHING AND APRON AS REQUIRED.
Work Hygienic Practices:OBSERVE GOOD PERSONAL HYGIENE PRACTICES AND RECOMMENDED PROCEDURES. DO NOT WEAR CONTAMINATED CLOTHING OR FOOTWEAR.
Supplemental Safety and Health
DO NOT BREATHE VAPORS OR MISTS. MINIMIZE SKIN CONTACT. AVOID EYE CONTACT. LAUNDER CONTAMINATED CLOTHING AND FOOTWEAR BEFORE RE-USE OR DISCARD.

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

HCC:V6
Boiling Pt:B.P. Text:481F,249C
Spec Gravity:1.04
pH:9.9
Solubility in Water:SOLUBLE
Appearance and Odor:CLEAR, LIGHT AMBER LIQUID, MILD ODOR

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

Stability Indicator/Materials to Avoid:YES
STRONG OXIDIZING AGENTS, STRONG ACIDS, AMMONIUM COMPOUNDS, REDUCING AGENTS
Stability Condition to Avoid:EXTREME HEAT, OPEN FLAMES
Hazardous Decomposition Products:OXID

ES OF CARBON AND NITROGEN, SODIUM
MONOXIDE

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

Waste Disposal Methods:DISPOSE OF WASTE VIA A LICENSED DISPOSAL FIRM.
BE SURE YOU ARE IN COMPLIANCE WITH ALL APPLICABLE FEDERAL, STATE &
LOCAL REGULATIONS.

Disclaimer (provided with this information by the compiling agencies):
This information is formulated for use by elements of the Department
of Defense. The United States of America in no manner whatsoever,
express
ly or implied, warrants this information to be accurate and
disclaims all liability for its use. Any person utilizing this
document should seek competent professional advice to verify and
assume responsibility for the suitability of this information to their
particular situation.