

DREW CHEMICAL CORP -- DREWGARD 187 CORROSION INHIBITOR

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MSDS Safety Information  
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FSC: 6850  
NIIN: 01-377-1939  
MSDS Date: 02/10/1995  
MSDS Num: CBRBF  
Product ID: DREWGARD 187 CORROSION INHIBITOR  
MFN: 01  
Responsible Party  
Cage: 52454  
Name: DREW CHEMICAL CORP  
Address: ONE DREW PLAZA  
City: BOONTON NJ 070  
05  
Info Phone Number: 201-263-7600  
Emergency Phone Number: 201-263-7600; 800-274-5263  
Proprietary Ind: Y  
Published: Y

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Contractor Summary  
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Cage: 52454  
Name: DREW CHEMICAL CORP,DIV OF ASHLAND CHEMICAL CO  
Address: ONE DREW CHEMICAL PLAZA  
City: BOONTON NJ 07005  
Phone: 606-324-1133

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Item Description Information  
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Item Name: INHIBITOR,CORROSION,LIQUID COOLING SYSTEM  
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Ingredients  
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Name: \*\*\* PROPRIETARY \*\*\*  
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Health Hazards Data  
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LD50 LC50 Mixture: NONE SPECIFIED BY MANUFACTURER.  
Route Of Entry Inds - Inhalation: YES  
Skin: YES  
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ingestion: YES

Carcinogenicity Inds - NTP: NO

IARC: NO

OSHA: NO

Effects of Exposure: ACUTE:EYES:EXPOSURE CAUSES IRREVERSIBLE DAMAGE. SYMPTOMS MAY INCLUDE STINGING, TEARING, REDNESS, SWELLING, CORNEAL DAMAGE & BLINDNESS. SKIN:EXPOSURE CAUSES IRREVERSIBLE DAMAGE. SYMPTOMS MAY INCLUDE REDNESS, SWELLING, BURNS & SEVERE DAMAGE. INHALATION:EXPOSURE TO DUST IS POSSIBLE. EXPOSURE MAY BE (EFTS OF OVEREXP)

Explanation Of Carcinogenicity: NOT RELEVANT

Signs And Symptoms Of Overexposure: HLT

H HAZ:HARMFUL OR FATAL. SYMPTOMS MAY

INCLUDE SEVERE IRRITATION & BURNS TO THE NOSE, THROAT & RESPIRATORY TRACT. INGESTION:SWALLOWING MAY BE HARMFUL OR FATAL. SYMPTOMS MAY INCLUDE SEVERE IRRITATION & BURNS OF THE MOUTH, THROAT & DIGESTIVE TRACT.

Medical Cond Aggravated By Exposure: PRE-EXISTING SKIN DISORDERS MAY BE AGGRAVATED BY EXPOSURE TO THIS MATERIAL. PRE-EXISTING LUNG DISORDERS (E.G. ASTHMA-LIKE CONDITIONS) MAY BE AGGRAVATED BY EXPOSURE TO THIS MATERIAL.

First Aid

: SKIN:IMMED FLUSH W/WATER FOR AT LST 15 MINS WHILE REMOVING CONTAM CLTHG & SHOES. SEEK IMMED MED ATTN. WASH CLTHG BEFORE REUSE & DECONTAM/DISCARD CONTAM SHOES. EYES:IMMED FLUSH GENTLY W/WATER FOR AT LS T 15 MINS WHILE HOLDING EYELIDS APART. IF SYMPS DEVELOP AS RSLT OF VAP EXPOS, IMMED MOVE INDIVIDUAL AWAY FROM EXPOS & INTO FRESH AIR BEFORE FLUSHING AS REC ABOVE. SEEK IMMED MED ATTN. INGEST: (SUPDAT)

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Handling and Dispo

sal

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Spill Release Procedures: SMALL SPILL:NEUTRALIZE & MOP UP SOLUTION. LARGE SPILL:PERSONS NOT WEARING PROTECTIVE EQUIPMENT SHOULD BE EXCLUDED FROM AREA OF SPILL UNTIL CLEAN-UP IS COMPLETED. STOP SPILL AT SOURCE. DIKE TO PREVENT SPREADING. PUMP TO SALVAGE TANK.

Neutralizing Agent: NONE SPECIFIED BY MANUFACTURER.

Waste Disposal Methods: DISPOSE OF I/AW ALL APPLICABLE LOCAL, STATE & FEDERAL REGULATIONS.

Handling And Storage

Precautions: KEEP FROM FREEZING.

Other Precautions: CONTAINERS OF THIS MATERIAL MAY BE HAZARDOUS WHEN EMPTIED. SINCE EMPTIED CONTAINERS RETAIN PRODUCT RESIDUES (VAPOR, LIQUID &/OR SOLID), ALL HAZARD PRECAUTIONS GIVEN IN THIS MSDS MUST BE OBSERVED.

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Fire and Explosion Hazard Information

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Extinguishing Media: REGULAR FOAM, WATER FOG, CARBON DIOXIDE.

Fire Fighting Procedures: USE

NIOSH/MSHA APPRVD SCBA & FULL PROT EQUIP (FP N). WATER MAY BE USED TO KEEP FIRE-EXPOS CNTNRS COOL UNTIL FIRE IS OUT. REFER TO PERSONAL PROT EQUIP (SUPDAT)  
Unusual Fire/Explosion Hazard: CAN REACT W/CHEMICALLY REACTIVE METALS SUCH AS ALUMINUM, ZINC, MAGNESIUM, COPPER, ETC TO RELEASE HYDROGEN GAS WHICH CAN FORM EXPLOSIVE MIXTURES W/AIR.

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Control Measures  
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Respiratory Protectio

n: IF WORKPLACE EXPOS LIM(S) OF PROD/ANY COMPONENT IS EXCEEDED, NIOSH/MSHA APPRVD AIR SUPPLIED RESP IS ADVISED IN ABSENCE OF PROPER ENVIRON CONTROL. OSHA REGS ALSO PERMIT OTHER NIOSH/MSHA APPRVD RESPS (N EG PRESS TYPE) UNDER SPECIFIED

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

Protective Gloves: RESISTANT GLOVES SUCH AS NEOPRENE.

Eye Protection: ANSI APPROVED CHEM WORKERS GOGGS

Other Protective Equipment: E

YE WASH FOUNTAIN & DELUGE SHOWER WHICH MEET ANSI DESIGN CRITERIA (FP N). TO PVNT RPTD/PRLNG SKIN CONT, WEAR

Work Hygienic Practices: NONE SPECIFIED BY MANUFACTURER.

Supplemental Safety and Health: NOTE:USERS OF "L" VERSION SHOULD CONSULT "LR" VERSION FOR ADDNL INFO (FP N). FIRE FIGHT PROC:SECTION OF THIS MSDS. FIRST AID PROC:SEEK IMMED MED ATTN. DO NOT INDUCE VOMIT. VOMIT WILL CAUSE FURTHER DMG TO MOUTH & THROAT. IF INDIVIDUAL IS CONSCIOUS & ALERT, IMMED RINSE MOUTH W/WATER &

amp; GIVE MILK/WATER TO DRINK. IF

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Physical/Chemical Properties  
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B.P. Text: 212F,100C

Vapor Pres: 17.5 @ 20C

Vapor Density: HVR/AIR

Spec Gravity: 1.13

PH: 11.7

Evaporation Rate & Reference: SLOWER THAN ETHER

Appearance and Odor: CLEAR, DARK BROWN LIQUID, HOMOG SOLN.

Percent Volatiles by Volume: 70-85

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Reactivity Data  
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Stability Indicator: YES  
Stability Condition To Avoid: NONE SPECIFIED BY MANUFACTURER.  
Materials To Avoid: AVOID CONT W/STRONG MINERAL ACIDS, ORG MATLS, REACTIVE METALS SUCH AS ALUMINUM & MAGNESIUM, STRONG ORG ACIDS, COPPER.  
Hazardous Decomposition Products: MAY FORM: SULFUR COMPOUNDS, PHOSPHOROUS COMPOUNDS, NITROGEN OXIDES, PHOSPHINE, CARBON DIOXIDE & CARBON MONOXIDE.  
Hazardous Polymerization Indicator: NO  
Conditions To Avoid Polymerization: NO  
T RELEVANT

Toxicological Information

Ecological Information

MSDS Transport Information

Regulatory Information

Other Information

Transportation Information

Responsible Party Cage: 52454  
Trans ID NO: 130643  
Product ID: DREWGARD 187 CORROSION INHIBITOR  
MSDS Prepared Date: 02/10/1995  
Review Date: 11/19/1996  
MFN: 1  
Multiple K  
IT Number: 0  
Review IND: Y

Detail DOT Information

DOT PSN Code: DWZ  
Symbols: G  
DOT Proper Shipping Name: CORROSIVE SOLIDS, N.O.S.  
Hazard Class: 8  
UN ID Num: UN1759  
DOT Packaging Group: II  
Label: CORROSIVE  
Packaging Exception: 154  
Non Bulk Pack: 212  
Bulk Pack: 240  
Max Qty Pass: 15 KG  
Max Qty Cargo: 50 KG  
Vessel Stow Req: A

Detail

IMO Information

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IMO PSN Code: ESJ  
IMO Proper Shipping Name: CORROSIVE SOLID, N.O.S. o  
IMDG Page Number: 8151  
UN Number: 1759  
UN Hazard Class: 8  
IMO Packaging Group: I/II/III  
Subsidiary Risk Label: -  
EMS Number: 8-15  
MED First Aid Guide NUM: 760

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Detail IATA Information

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IATA PSN Code: HMF  
IATA UN ID Num: 1759  
IATA Proper Shipping  
Name: CORROSIVE SOLID, N.O.S. \*  
IATA UN Class: 8  
IATA Label: CORROSIVE  
UN Packing Group: II  
Packing Note Passenger: 814  
Max Quant Pass: 15KG  
Max Quant Cargo: 50KG  
Packaging Note Cargo: 816

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Detail AFI Information

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AFI PSN Code: HMF  
AFI Symbols: \*  
AFI Proper Shipping Name: CORROSIVE SOLID, N.O.S.  
AFI Hazard Class: 8  
AFI UN ID NUM: UN1759  
AFI Packing Group: II  
Special Provisions: P5  
Back  
Pack Reference: A12.4

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HAZCOM Label

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Product ID: DREWGARD 187 CORROSION INHIBITOR  
Cage: 52454  
Company Name: DREW CHEMICAL CORP, DIV OF ASHLAND CHEMICAL CO  
Street: ONE DREW CHEMICAL PLAZA  
City: BOONTON NJ  
Zipcode: 07005  
Health Emergency Phone: 201-263-7600; 800-274-5263  
Label Required IND: Y  
Date Of Label Review: 05/09/1996  
Status Code: C  
Label Date: 05/09/1996  
Origination Code: G  
Eye Pro

tection IND: YES

Skin Protection IND: YES

Signal Word: DANGER

Respiratory Protection IND: YES

Health Hazard: Severe

Contact Hazard: Severe

Fire Hazard: None

Reactivity Hazard: Slight

Hazard And Precautions: DECOMPOSITION PRODUCTS MAY BE HAZARDOUS.

ACUTE:EYES:EXPOSURE CAUSES IRREVERSIBLE DAMAGE. SYMPTOMS MAY INCLUDE STINGING, TEARING, REDNESS, SWELLING, CORNEAL DAMAGE & BLINDNESS.

SKIN:EXPOSURE CAUSES IRR EVERSIBLE DAMAGE. SYMPTOMS MAY INCLUDE REDNESS, SWELLING, BURNS & SEVERE DAM

AGE. INHALATION:EXPOSURE TO DUST IS POSSIBLE.

EXPOSURE MAY BE HARMFUL OR FATAL; SEVERE IRRITATION, BURNS TO NOSE, THROAT & R ESPIRATORY TRACT. INGESTION:HARMFUL OR FATAL; SEVERE IRRITATION, BURNS OF MOUTH, THROAT & DIGESTIVE TRACT. CHRONIC:NONE LISTED BY MANUFACTURER.

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