

DREW CHEMICAL,DIV/ASHLAND CHEM,SUB/ASHLAND OIL -- DREWGWARD (R) 4109 CORROSION INHIBITOR -- 6850-01-072-0979

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

Product ID:DREWGWARD (R) 4109 CORROSION INHIBITOR

MSDS Date:08/28/1986

FSC:6850

NIIN:01-072-0979

MSDS Number: BGKLH

=== Responsible Party ===

Company Name:DREW CHEMICAL,DIV/ASHLAND CHEM,SUB/ASHLAND OIL

Address:1 DREW CHEMICAL PLAZA

City:BOONTON

State:NJ

ZIP:07005

Country:US

Info Phone Num:201-263-7636

Emergency Phone N

um:606-324-1133

CAGE:MO828

=== Contractor Identification ===

Company Name:DREW CHEMICAL CORP,DIV OF ASHLAND CHEMICAL CO

Address:ONE DREW CHEMICAL PLAZA

Box:City:BOONTON

State:NJ

ZIP:07005

Country:US

Phone:606-324-1133

CAGE:52454

Company Name:DREW CHEMICAL,DIV/ASHLAND CHEM,SUB/ASHLAND OIL

Address:1 DREW CHEMICAL PLAZA

Box:City:BOONTON

State:NJ

ZIP:07005

Country:US

Phone:201-263-7636

CAGE:MO828

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

Ingred Name:SODIUM METABORATE TET

RAHYDRATE  
CAS:7775-19-1  
RTECS #:ED4640000

Ingred Name:SODIUM TETRABORATE, DECAHYDRATE  
CAS:1303-96-4  
RTECS #:VZ2275000  
OSHA PEL:10 MG/M3  
ACGIH TLV:5 MG/M3; 9192

Ingred Name:SODIUM NITRATE  
CAS:7631-99-4  
RTECS #:WC5600000

Ingred Name:SODIUM NITRITE (SARA III)  
CAS:7632-00-0  
RTECS #:RA1225000  
EPA Rpt Qty:100 LBS  
DOT Rpt Qty:100 LBS

Ingred Name:TRADE SECRET COMPONENT

Ingred Name:SODIUM METASILICATE (ANHYDROUS)  
CAS:6834-92-0  
RTECS #:VV9275000  
OSHA PEL:15 MG/CUM  
ACGIH TLV:10 MG/CUM

Ingred Name:SO  
DIUM TOLYLTRIAZOLE  
CAS:64665-57-2

Ingred Name:OTHER COMPONENT

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

Routes of Entry: Inhalation:YES Skin:YES Ingestion:YES  
Reports of Carcinogenicity:NTP:NO IARC:NO OSHA:NO  
Health Hazards Acute and Chronic:PRODUCT IS IRRITATING TO ALL BODY  
TISSUES. PROLONGED CONTACT MAY CAUSE CHRONIC DERMATITIS.  
Effects of Overexposure:EYES: MODERATE IRRITATING. SKIN:  
IRRITATION,CHRONIC DERMATITIS. INHAL: IRRITATION/DAMAGE TO  
RESP

IRATORY TRACT. INGEST: NAUSEA,DIARRHEA,VOMITING,HEADACHE,LOSS  
OF HAIR,SHOCK. ABSORPTION THROUGH SKIN PRO DUCES SYMPTOMS SIMILAR  
TO INGEST

Medical Cond Aggravated by Exposure:NONE

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

First Aid:INHAL:RMV TO FRESH AIR. IF NOT BRTHNG GIVE CPR; IF BRTHNG  
DIFF GIVE OXYGEN. EYE:IMMED FLUSH W/PLENTY OF WATER. SKIN:WASH  
W/SOAP&WATER. RMV CONTAM CLTHG&SHOES. INGEST:INDUCE VOMIT. RPT  
UNTIL VOMIT IS C LEAR. NOTHG BY MOUT  
H IF UNCONSC. GET MEDICAL ATTN.

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

Flash Point:OVER 200F/94C

Autoignition Temp:Autoignition Temp Text:NONE

Extinguishing Media:WATER FOG

Fire Fighting Procedures:WEAR SELF CONTAINED BREATHING APPARATUS. WATER  
CAN CAUSE FROTHING IF SPRAYED DIRECTLY INTO CONTAINERS OF HOT  
BURNING LIQUID.

Unusual Fire/Explosion Hazard:DECOMPOSITION CAN RELEASE OXYGEN REDUCING  
THE EFFECTIVENESS OF SUFFOCATION TYPE EXTINGUISHERS.

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

Spill Release Procedures:EXCLUDE PERSONS W/O PROTECTIVE EQUIPMENT FROM  
AREA. CONTAIN SPILL & STOP LEAK. RECOVER LIQUID FOR REUSE,  
RECOVERY, OR DISPOSAL. ABSORB REMAINDER ON INERT MATERIAL. PREVENT  
RUNOFF TO SEWERS, STREAMS, O R OTHER BODIES OF WATER.

Neutralizing Agent:NONE LISTED BY MFR.

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

Handling and Storage Precautions:STORE IN COOL,DRY AREA. KEEP

CONTAINERS CLOSED. PROTECT FROM FREEZING.

Other Precautions:REMOVE CONTAMINATED CLOTHING AND LAUNDER BEFORE  
REUSE.

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

Respiratory Protection:IF OVER TLV, NIOSH SUPPLIED AIR OR SCBA.

Ventilation:PROVIDE MECHAN(GEN/LOCAL EXHAUST)VENT TO MAINTN