

THE DEXTER CORPORATION, HYSOL DIVISION -- HD 3404 -- 8040-00-955-9491
===== Product Identification =====

Product ID:HD 3404
MSDS Date:11/17/1986
FSC:8040
NIIN:00-955-9491
MSDS Number: BKJSH
=== Responsible Party ===
Company Name:THE DEXTER CORPORATION, HYSOL DIVISION
Address:211 FRANKLIN STREET
City:OLEAN
State:NY
Country:US
Info Phone Num:716-372-6300
Emergency Phone Num:716-372-6309
Preparer's
Name:JAMES P. HORNBURG
CAGE:0KZ46
=== Contractor Identification ===
Company Name:GARSITE PRODUCTS INC
Address:10 EAST GRAND BLVD
Box:289
City:DEER PARK
State:NY
ZIP:11729-5774
Country:US
Phone:516-667-1010
CAGE:04367
Company Name:THE DEXTER CORPORATION
City:CHAGRIN FALLS
State:OH
ZIP:44022
Country:US
Phone:800-669-0053
CAGE:0KZ46

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

Ingred Name:TRIETHYLENETETRAMINE *(ETHYLENE-DIAMINE)
**(DIETHYLENETRIAMINEAMINE)
CAS:112-24

RTECS #:YE6650000

Fraction by Wt: 70%

Other REC Limits:NONE SPECIFIED

OSHA PEL:10 PPM *SEE ABOVE

ACGIH TLV:1 PPM **SEE ABOVE

Ingred Name:N, N'BIS (2-AMINOETHYL) PIPERAZINE

CAS:6531-38-0

Fraction by Wt: 13%

Other REC Limits:NONE SPECIFIED

Ingred Name:PIPERAZINYL-ETHYLENEDIAMINE

CAS:24028-46-4

Fraction by Wt: 12%

Other REC Limits:NONE SPECIFIED

Ingred Name:TRISAMINOETHYLAMINE

CAS:4097-89-6

Fraction by Wt: 5%

Other REC Limits:NONE SPECIFIED

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===== Hazards Identification =====
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LD50 LC50 Mixture:LD50 820MG/KG(RABB);LD50 2460MG/KG(RABB)

Routes of Entry: Inhalation:UNKNOWN Skin:YES Ingestion:YES

Health Hazards Acute and Chronic:EYE: MAY CAUSE SEVERE INJURY. SKIN:

SHORT SINGLE EXPOSURE MAY CAUSE MODERATE IRRITATION, EVEN A MILD BURN. PROLONGED OR REPEATED EXPOSURE MAY CAUSE A SEVERE BURN. THIS MATERIAL MAY CAUSE SIGNIFICANT S ENSITIZATION OR ALLERGIC RESPONSE. MAY BE ABSORBED THROUGH THE SKIN IN MODERATELY TOXIC AMOUNTS.

Effects of Ove

reexposure:INGESTION: CAN CAUSE BURNS OF MOUTH, ESOPHAGUS

AND POSSIBLY STOMACH. VAPORS CAN CAUSE IRRITATION OF EYES, NOSE, THROAT AND POSSIBLY LUNGS. SENSITIZATION RESPONSE.

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===== First Aid Measures =====
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First Aid:EYES: IMMEDIATE/CONTINUOUS IRRIGATION W/FLOWING WATER-30 MIN.

GET PROMPT MEDICAL AID. SKIN: IMMEDIATELY FLUSH W/PLENTY OF WATER-15 MIN WHILE REMOVING CONTAMINATED CLOTH. CALL PHYSICIAN. WASH CLOTHING BEFORE REUSE. DESTROY CON

TAMINATED SHOES. INGESTION.

CORROSIVE. DO NOT INDUCE VOMITING. GIVE LARGE AMOUNTS WATER OR MILK IF AVAILABLE. GET MEDICAL AID. INHALATION: REMOVE TO FRESH AIR. CALL PHYSICIAN.

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

Flash Point Method:PMCC

Flash Point:245F,118C

Lower Limits:1.0

Upper Limits:3.6

Extinguishing Media:WATER FOG, ALCOHOL FOAM, CARBON DIOXIDE, DRY CHEMICAL.

Fire Fighting Procedures:USE FULL PROTECTIVE CLOTHING AND A POSITIVE-PRESSURE, SELF-CONTAINED BREATHING APPARATUS.

Unusual Fire/Explosion Hazard:NONE

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

Spill Release Procedures:LARGE SPILL-DIKE UP AND PUMP INTO APPROPRIATE CONTAINERS. SMALL SPILL-DILUTE WITH WATER AND RECOVER OR USE NONCOMBUSTIBLE ABSORBENT MATERIAL/SAND AND SHOVEL INTO SUITABLE CONTAINERS.

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

Handling and Storage Precautions:GROUND ALL TRANSFER EQUIPMENT HOLD BULK STORAGE UNDER NITROGEN BLANKET. MATERIAL SHOULD NOT COME IN CONTACT WITH COPPER OR COPPER-BEARING ALLOYS.

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

Respiratory Protection:UNDER CONDITIONS WHERE HIGH EXPOSURE IS LIKELY, USE AN APPROVED FULL-FACE AIR-PURIFYING RESPIRATOR.

Ventilation:USE ONLY WITH ADEQUATE VENTILATION. LOCAL EXHAUST VENTILATION MAY BE NECESSARY FOR SOME OPERATIONS.

Protective Gloves:IMPERVIOUS GLOVES.

Eye Protection:USE CHEMICAL GOG GLES.

Other Protective Equipment:EYE WASH FOUNTAIN SHOULD BE LOCATED IN IMMEDIATE WORK AREA. USE PROTECTIVE CLOTHING IMPERVIOUS TO THIS MATERIAL. *

Supplemental Safety and Health

*SELECTION OF SPECIFIC ITEMS-GLOVES, BOOTS, APRON OR FULL-BODY SUIT-DEPEND ON OPERATION. REMOVE AND DESTROY CONTAMINATED LEATHER ITEMS, SUCH AS SHOES, BELTS & WATCHBANDS. REMOVE CONTAMINATED CLOTHING IMMEDIATELY. WASH SKIN AREA W/SOAP & WATER & LAUNDER CLOTHING BEFORE REUSE. LOCATE SAFETY SHOWER

IN IMMEDIATE WORK AREA.

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

Boiling Pt:B.P. Text:500F,260C

Vapor Pres: