

DEXTER ELECTRONIC MTLs DIV.,THE DEXTER CORP. -- HYSOL HD-3452 HARDENER --
8040-00-987-3137

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

Product ID:HYSOL HD-3452 HARDENER

MSDS Date:09/27/1989

FSC:8040

NIIN:00-987-3137

MSDS Number: BHCKL

=== Responsible Party ===

Company Name:DEXTER ELECTRONIC MTLs DIV.,THE DEXTER CORP.

Address:211 FRANKLIN ST.

City:OLEAN

State:NY

ZIP:14760-1297

Country:US

Info Phone Num:716-372-6300

Emergency Phone Num:716-372-6309

Preparer's Name:JAMES

P. HORNBURG

CAGE:04347

=== Contractor Identification ===

Company Name:DEXTER CORP THE DEXTER ELECTRONIC MATERIAL DIV

Address:211 FRANKLIN ST.

Box:City:OLEAN

State:NY

ZIP:14760-1297

Country:US

Phone:716-372-6300/6309

CAGE:04347

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

Ingred Name:PROPYLENE GLYCOL METHYL ETHER

CAS:28677-93-2

Fraction by Wt: 10-30%

Ingred Name:DIACETONE ALCOHOL (4-HYDROXY-4-METHYL-2-PENTANONE)

CAS:123-42-2

RTECS #:SA9100000

Fraction by Wt: 10-30%

OSHA

PEL:50 PPM
ACGIH TLV:50 PPM; 9192

Ingred Name:MELAMINE-FORMALDEHYDE RESIN
Fraction by Wt: 10-30%

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

Routes of Entry: Inhalation:YES Skin:NO Ingestion:YES
Reports of Carcinogenicity:NTP:NO IARC:NO OSHA:NO
Health Hazards Acute and Chronic:PRODUCT CAUSES EYE, SKIN & RESPIRATORY TRACT IRRITATION. IT MAY BY ABSORBED THROUGH THE SKIN, BUT TOXICITY OF THE INGREDIENT ABSORBED IS LOW, 13-14 GM/KG.
Explanation of Carcinogenicity:NONE OF THE COMPOUNDS IN THIS PRODUCT IS LISTED BY IARC, NTP, OR OSHA AS A CARCINOGEN.
Effects of Overexposure:MAY CAUSE DIZZINESS, NAUSEA, ANESTHESIA, HEADACHE, AND CENTRAL NERVOUS SYSTEM DEPRESSION. MAY CAUSE EYE, SKIN & RESPIRATORY TRACT IRRITATION.
Medical Cond Aggravated by Exposure:PERSONS WITH A HISTORY OF DERMAL OR RESPIRATORY DISORDERS MAYBE AT INCREASED RISK FROM EXPOSURE.

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

First Aid:INHALATION
: REMOVE TO FRESH AIR. CALL A PHYSICIAN IF DISCOMFORT PERSISTS. EYE: IMMEDIATELY FLUSH EYES WITH PLENTY OF WATER FOR 15 MINUTES. CALL A PHYSICIAN. SKIN: WASH WITH PLENTY OF SOAP & WATER. REM OVE CONTAMINATED CLOTHING/SHOES AND LAUNDER BEFORE REUSE. INGESTION: IF CONSCIOUS, GIVE 2 GLASSES OF WATER TO DRINK AND INDUCE VOMITING. NOTHING BY MOUTH IF UNCONSCIOUS. GET IMMEDIATE MEDICAL CARE.

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

Flash Point Meth
od:TCC
Flash Point:94.0F,34.4C
Extinguishing Media:USE CARBON DIOXIDE, FOAM, DRY CHEMICAL, OR WATER FOG.
Fire Fighting Procedures:FIRE FIGHTERS SHOULD USE NIOSH APPROVED SCBA & FULL PROTECTIVE EQUIPMENT WHEN FIGHTING CHEMICAL FIRE. USE WATER SPRAY TO COOL NEARBY CONTAINERS EXPOSED TO FIRE.
Unusual Fire/Explosion Hazard:CONTAINERS MAY BURST WHEN EXPOSED TO HEAT OF FIRE.

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

Spill Release Procedures:SMALL SPILL: WIPE

/SOAK UP WITH PAPER TOWEL OR
INERT ABSORBANT. PUT IN DISPOSAL CONTAINER. FLUSH RESIDUE WITH
WATER.

Neutralizing Agent:NONE SPECIFIED BY MANUFACTURER.

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

Handling and Storage Precautions:STORE IN A COOL, DRY, WELL VENTILATED
AREA. KEEP CONTAINERS TIGHTLY CLOSED WHEN NOT IN USE. PROTECT
CONTAINERS FROM PHYSICAL DAMAGE.

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

Respiratory Protection:IF VE
NTILATION DOES NOT MAINTAIN INHALATION
EXPOSURES BELOW PEL(TLV), USE NIOSH/MSHA APPROVED ORGANIC VAPOR
CARTRIDGE AND DUST/MIST PRE-FILTER RESPIRATORS AS PER CURRENT 29
CFR 1910.134, INSTRUCTIONS/ WARNINGS AND NIOSH-RESPIRATOR
SELECTION.

Ventilation:MECHANICAL (GENERAL) ROOM VENTILATION IS ADEQUATE IF USE IS
ENCLOSED. LOCAL EXHAUST IS NEEDED IF VENTED INTO WORK AREA.

Protective Gloves:NEOPRENE, NITRILE, PVC OR NATURAL RUBBER

Eye Protection:SAFETY GOGGLES WITH OPTIONAL FACE SHI
ELD

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. AVOID PROLONGED/REPEATED CONTACT.

Supplemental Safety and Health

THIS MSDS COVERS ONE OF THE HYSOL HARDENERS.

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

HCC:F4

Boiling Pt:B.P. Text:248F,120C

Vapor Pres:12 MM

Vapor Density:4

Spec Gravity:1.05

Evaporatio

n Rate & Reference:22 (ETHYL ETHER)

Solubility in Water:30%

Appearance and Odor:LOW VISCOSITY AMBER LIQUID, SOLVENT ODOR

Percent Volatiles by Volume:40

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

Stability Indicator/Materials to Avoid:YES

STRONG ACIDS,CAUSTICS,AMINES,AMMONIA,ISOCYANATES

Stability Condition to Avoid:HIGH TEMPERATURES, SPARKS, AND OPEN FLAMES

Hazardous Decomposition Products:CARBON MONOXIDE, CARBON DIOXIDE AND
OXIDES OF NITROGEN.

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

Waste Disposal Methods:DISPOSE I/A/W FERERAL,STATE,LOCAL REGULATIONS.
HMIS SUGGESTS INCINERATION.

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