

DEXTER CORP -- HYSD EE4143 -- 8040-01-343-9629

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

Product ID:HYSD EE4143

MSDS Date:08/14/1991

FSC:8040

NIIN:01-343-9629

MSDS Number: BRNYC

=== Responsible Party ===

Company Name: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:57294

=

== 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

Company Name:DIVERSITY WATER TECHNOLOGIES INC

Address:LABORATORY PK 7145 PINE ST

Box:200

City:CHAGRIN FALLS

State:OH

ZIP:44022

Country:US

Phone:216-247-5000

CAGE:57294

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

Ingred Name:SILICA, CRYSTALLINE - QUARTZ

CAS:14808-60-7

RT

ECS #:VV7330000
Fraction by Wt: 48.070%
OSHA PEL:SEE TABLE Z3
ACGIH TLV:0.1 MG/M3 RDUST;9293

Ingred Name:EPOXY RESIN
CAS:25068-38-6
RTECS #:KC2100000
Fraction by Wt: 30-60%
OSHA PEL:N/K
ACGIH TLV:N/K

Ingred Name:N-BUTYL GLYCIDYL ETHER (BGE)
CAS:2426-08-6
RTECS #:TX4200000
Fraction by Wt: 4.920%
OSHA PEL:50 PPM
ACGIH TLV:25 PPM; 9293

Ingred Name:SUPP DATA: ACUTE ORAL TOXICITY. SIGNS & SYMPS: IRRIT AS
NOTED. SKIN SENSIT (ALLERGY). ING 3: RESP PASSAGES: (ING 5)
RTECS #:9999999ZZ

Ingred Name:ING 4: MILD IRRITATION. SKIN: MODERATELY IRRITATING, BUT A
POSITIVE SENSITIZER. ANIMAL MUTAGEN.
RTECS #:9999999ZZ

Ingred Name:FIRST AID PROC: DECONTAM & SHOULD BE DESTROYED TO PREVENT
REUSE. IF CNTCT W/HOT PROD OCCURS, IMMED FLUSH W/COOL(ING 7)
RTECS #:9999999ZZ

Ingred Name:ING 6: WATER FOR 15 MIN. CAREFULLY REMOVE CLTHG; IF CLTHG
IS STUCK TO A BURN AREA, DO NOT PULL IT OFF, BUT CUT (ING 8)
RTECS #:9999999ZZ

Ingred Name:ING 7:AROUND IT. COVER BURN AREA W/A CLEAN MATERIAL. GET
MED ATTN. INHAL: REMOVE VICTIM TO FRESH AIR & PROVIDE (ING 9)
RTECS #:9999999ZZ

Ingred Name:ING 8: OXYGEN IF BRTHG IS DIFFICULT. GET MED ATTN. INGEST:
DO NOT INDUCE VOMIT. IN GENERAL, NO TREATMENT IS NEC (ING 10)
RTECS #:9999999ZZ

Ingred Name:ING 9: UNLESS LARGE QTYS OF PROD ARE INGESTED. HOWEVER, GET
MED ADVICE. NOTE TO MD: IN GENERAL, EMESIS INDUCTION(ING 11)
RTECS #:9999999ZZ

Ingred Name:ING 10: IS UNNECESSARY IN HIGH VISCOSITY, LOW VOLATILITY
PRODUCTS, E.G., NEAT EPOXY RESI

NS.
RTECS #:9999999ZZ

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

LD50 LC50 Mixture:NONE SPECIFIED BY MANUFACTURER.
Routes of Entry: Inhalation:YES Skin:NO Ingestion:NO
Reports of Carcinogenicity:NTP:YES IARC:YES OSHA:NO
Health Hazards Acute and Chronic:ING 1: INHAL: PROLONGED OVEREXP TO
FREE SILICA DUST, (UNCOMBINED SILICON DIOXIDE) ABOVE THE TLV
SPECIFIED ABOVE MAY CAUSE SCARRING OF THE LUNGS W/COUGH AND
SHORTNESS OF BREATH. A DELAYED LUNG INJURY,
SILICOSIS, MAY RESULT
FROM BRTHG FREE SILICA. SILICOSIS IS A FORM OF DISABLING
PROGRESSIVE & SOMETIMES (EFTS OF OVEREXP)
Explanation of Carcinogenicity:CRYSTALLINE SILICA-QUARTZ: GROUP 2A
(IARC 7,341,87), ANTICIPATED TO BE A CARCINOGEN (NTP 6'TH ANN RPT
, '91).
Effects of Overexposure:HLTH HAZ: FATAL PULM FIBROSIS CHARACT BY THE
PRESENCE OF TYPICAL NODULATION IN LUNGS. ING 2: EYE: BASED ON
SIMILAR PRODUCT TESTING, PRODUCT MAY BE MODERATELY IRRITATING TO
THE EYES. CONT
ACT W/PRODUCT AT ELEVATED TEMPS CAN RSLT IN THERMAL
BURNS. SKIN: BASED ON SIMILAR PROD TESTING, PROD MAY BE MODERATELY
(SUPP DATA)
Medical Cond Aggravated by Exposure:PREEXISTING SKIN & EYE DISORDERS
MAY BE AGGRAVATED BY EXPOSURE TO THIS PROD. PREEXISTING SKIN/LUNG
ALLERGIES MAY INCREASE THE CHANCE OF DEVELOPING INCREASED ALLERGY
SYMPS FROM EXPOSURE TO THIS PROD.

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

First Aid:EYES: FLUSH W/WATER FOR @ LST 15
MIN WHILE HOLDING EYELIDS
OPEN. GET MED ATTN. IF CNTCT W/HOT PROD OCCURS, IMMED FLUSH W/COOL
WATER FOR @ LST 15 MIN. GET MED ATTN. SKIN: REMOVE CONTAM
CLTHG/SHOES & WI PE OFF EXCESS FROM SKIN. FLUSH W/WATER.FOLLOW BY
WASHING W/SOAP & WATER. IF IRRIT OCCURS, GET MED ATTN. DO NOT REUSE
CLTHG UNTIL CLEANED. CONTAM LEATHER ARTICLES, INCLUDING SHOES,
CANNOT BE (ING 6)

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

Flash Point Method:TOC
Flash Point:200

F,93C
Lower Limits:0.4%
Upper Limits:1.3
Extinguishing Media:USE CARBON DIOXIDE OR DRY CHEMICAL FOR SMALL FIRES.
USE ORDINARY FOAM FOR LARGE FIRES.
Fire Fighting Procedures:WEAR NIOSH/MSHA APPROVED SCBA AND FULL
PROTECTIVE EQUIPMENT .
Unusual Fire/Explosion Hazard:NONE.

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

Spill Release Procedures:CLEANUP AND DISPOSAL SHOULD BE IN ACCORDANCE
WITH FEDERAL, STATE AND LOCAL ENVIRONMENTAL CONTROL REGULATIONS.
Neutralizing
Agent:NONE SPECIFIED BY MANUFACTURER.

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

Handling and Storage Precautions:WARNING: MAY CAUSE SKIN SENSITIZATION
AND OTHER ALLERGIC RESPONSES.
Other Precautions:USE ONLY WITH ADEQUATE VENTILATION, PARTICULARLY IF
HEATED OR SPRAYED. AVOID CONTACT WITH SKIN OR EYES.

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

Respiratory Protection:NIOSH/MSHA APPROVED AIR-SUPPLIED MASK IN CONFINED
AREAS.
Ventilation:LOCAL EXHAUST-PREFERRED; MECHANICAL (GENERAL) - ACCEPTABLE.
Protective Gloves:PLASTIC OR RUBBER GLOVES.
Eye Protection:CHEMICAL WORKERS GOGGLES .
Other Protective Equipment:SAFETY SHOWER AND EYE BATH. USE COVERALLS OR
APRON TO PROTECT AGAINST SKIN AND CLOTHING CONTAMINATION.
Work Hygienic Practices:NONE SPECIFIED BY MANUFACTURER.
Supplemental Safety and Health
EFFECTS OF OVEREXP: IRRIT TO SKIN. BASED ON SIMILAR PROD TESTING, PROD MAY
CAUSE SKIN SENSIT. CONTACT W/PROD AT ELEVATED TEMPS
CAN RESULT IN
THERMAL BURNS. INHAL: BECAUSE OF ITS LOW VOLATILITY, THIS PROD IS
NOT LIKELY TO BE AN INHAL HAZ. INGEST: BASED ON SIMILAR PROD
TESTING PROD IS PRESUMED TO HAVE A LOW ORDER OF(ING 4)

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

Boiling Pt:B.P. Text:284F,140C
Vapor Pres:2
Vapor Density:3.8
Spec Gravity:1.56
Evaporation Rate & Reference:> 1 (BU AC=1)
Solubility in Water:< 1
Appearance and Odor:TAN LIQUID; SWEET, PLEASANT ODOR; MEDIUM VISCOSIT

Y.

Percent Volatiles by Volume:15

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

Stability Indicator/Materials to Avoid:YES

STRONG ACIDS, AMINES, MERCAPTANS, BASES.

Stability Condition to Avoid:NONE

Hazardous Decomposition Products:CARBON MONOXIDE, ALDEHYDES, OTHER ORGANICS.

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

Waste Disposal Methods:CLEANUP AND DISPOSAL SHOULD BE IN ACCORDANCE WITH FEDERAL, STATE AND LOCAL ENVIRONMENTAL CONTROL 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, expressly 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.