

DEXTER CORP -- XX0349, HYSOL 50-100 R -- 7510-01-200-8669

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

Product ID:XX0349, HYSOL 50-100 R

MSDS Date:05/03/1990

FSC:7510

NIIN:01-200-8669

MSDS Number: BPFKV

=== Responsible Party ===

Company Name:DEXTER CORP

Address:15051 DON JULIAN RD

Box:1282

City:INDUSTRY

State:CA

ZIP:91749-1282

Country:US

Info Phone Num:818-968-6511

Emergency Phone Num:818-916-9107

Preparer'

s Name:RICHARD L. HALL

CAGE:57294

=== Contractor Identification ===

Company Name:DEXTER CORP DEXTER ELECTRONIC MATERIALS

Address:15051 E DON JULIAN RD

Box:City:INDUSTRY

State:CA

ZIP:91746-1282

Country:US

Phone:626-968-6511

CAGE:79436

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:ETHANOL, 2-(2-E

THOXYETHOXY)-, ACETATE; (DIETHYLENE GLYCOL
MONOETHYL ETHER ACETATE)

CAS:112-15-2

RTECS #:KK8925000

Fraction by Wt: 1-15%

Ingred Name:PHENOL, 4,4'-ISOPROPYLIDENEDI-; (BISPHENOL A RESIN) (SARA
III)

CAS:80-05-7

RTECS #:SL6300000

Fraction by Wt: 1-15%

Ingred Name:EPICHLOROHYDRIN BIS-PHENOL A; (BISPHENOL A EPICHLOROHYDRIN
POLYMER)

CAS:25068-38-6

RTECS #:SL6475000

Fraction by Wt: 15-35%

Ingred Name:DIPROPYLENE GLYCOL, MONOMETHYL ETHER. LD50:(ORAL,RAT)5.4
ML/KG.

CAS:34590-94-8

RTECS

#:JM1575000

Fraction by Wt: 1-15%

OSHA PEL:100PPM;150PPM STEL,S

ACGIH TLV:100PPM;150PPM STEL,S

Ingred Name:ACETIC ACID, 2-METHOXY-1-METHYLETHYL ESTER; (PROPYLENE
GLYCOL MONOMETHYL ETHER ACETATE). LD50:(ORAL,RAT)8532 MG/KG.

CAS:108-65-6

RTECS #:AI8295000

Fraction by Wt: 1-15%

OSHA PEL:100 PPM

ACGIH TLV:100 PPM

Ingred Name:SUPP DATA:CAUSE DROWS. ING 5:ESSENTIALLY NONIRRIT. PRLNGD
CNTCT W/VERY LG AMTS COULD CAUSE DROWSINESS. (ING 7)

RTECS #:9999999ZZ

Ingred Name:INHAL:ING 1:WHILE MATL H

AS LOW DEGREE OF TOX, BRTHG HIGH
CONCS OF VAPS/MISTS MAY CAUSE IRRIT OF NOSE & THROAT. (ING 8)
RTECS #:9999999ZZ

Inged Name:ING 7:KIDNEY DMG. RESP SYMPS ASSOC W/PRE-EXISTING LUNG
DISORDERS MAY BE AGGRAVATED BY EXPOS. ING 2:MAY CAUSE (ING 9)
RTECS #:9999999ZZ

Inged Name:ING 8:IRRIT OF RESP TRACT, RESULTING IN SORENESS OF THROAT,
COUGHING & SNEEZING. ING 3:BECAUSE OF LOW VOLATILITY(ING 10)
RTECS #:9999999ZZ

Inged Name:ING 9:PROD NOT LIKELY TO BE INHAL HAZ. ING 4:SIGNS & SYMPS
OF EXCESSIVE EXPOS MAY BE ANESTHETIC/NARCOTIC EFTS. (ING 11)
RTECS #:9999999ZZ

Inged Name:ING 10:ING 5:SINGLE EXPOS TO VAPS NOT LIKELY TO BE HAZ.
INGEST:ING 1:WHILE MATL HAS LOW DEGREE OF TOX, INGEST (ING 12)
RTECS #:9999999ZZ

Inged Name:ING 11:OF EXCESSIVE QTYS MAY CAUSE SIGNS OF NERVOUS SYS
DEPRESS (DROWS, DIZZ, LOSS OF COORD & FATIGUE). (ING 13)
RTECS #:9999999ZZ

Inged Name:ING 12:ING 2:PROD IS MOD TOX & HAS BEEN FOUND TO PRDCE
IRRIT OF STOM W/CRAMPS & DIARRHEA. ING 3:PROD
CONSIDERED (ING 14)
RTECS #:9999999ZZ

Inged Name:ING 13:TO HAVE LOW ORDER OF ACUTE ORAL TOX. ING 4/5:SINGLE
DOSE ORAL TOX-LOW. AMTS INGESTED INCIDENTAL TO INDUS (ING 15)
RTECS #:9999999ZZ

Inged Name:ING 14:HNDLG NOT LIKELY TO CAUSE INJURY; INGEST OF LGR AMTS
MAY CAUSE INJURY. ING 3:IRRIT. SKIN SENSIT (ALLERGY)(ING 16)
RTECS #:9999999ZZ

Inged Name:ING 15:MAY BE EVID BY RASHES, ESPECIALLY HIVES. ING 4:RPTD
EXCESSIVE EXPOS MAY CAUSE LIVER/POSS KIDNEY EFTS. (ING 17)
RTECS #:9999999

ZZ

Inged Name:ING 16:SIGNS & SYMPS OF EXCESSIVE EXPOS MAY BE
ANESTHETIC/NARCOTIC EFTS. ING 5:RPTD EXCESSIVE EXPOS MAY CAUSE (ING
18)
RTECS #:9999999ZZ

Inged Name:ING 17:IRRIT TO UPPER RESP TRACT & LIVER/KIDNEY EFTS. BIRTH
DEFECTS UNLIKELY. EXPOS HAVING NO ADVERSE EFTS ON (ING 19)
RTECS #:9999999ZZ

Inged Name:ING 18:MOTHER SHOULD HAVE NO EFT ON FETUS. ING 1:REPORTS
HAVE ASSOC RPTD, PRLNGD OCCUP OVEREXPOS TO SOLVS W/PERM(ING 20)
RTECS #:9999999ZZ

Inged Name:ING 19:BRAIN & N
ERVOUS SYS DMG. INTENTIONAL MISUSE BY
DELIBERATELY CONC & INHALING PROD MAY BE HARMFUL OR FATAL.
RTECS #:9999999ZZ

Inged Name:FIRST AID PROC:ON JUDGEMENT OF MD IN RESPONSE TO REACTION
OF PATIENT.
RTECS #:9999999ZZ

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

LD50 LC50 Mixture:NONE SPECIFIED BY MANUFACTURER.

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

Reports of Carcinogenicity:NTP:NO IARC:NO OSHA:NO

Health Hazards Acute and Chronic:EYE:ING 1:MA

Y CAUSE IRRIT. DIRECT

CNTCT W/LIQ/ EXPOS TO VAPS/MISTS MAY CAUSE BURNING, TEARING &
REDNESS. ING 2:WILL CAUSE MOD IRRIT ON SHORT/SINGLE EXPOS & SEVERE
IRRIT ON PRLNGD CNTCT. ING 3:BASED ON PROD TESTING, MOD IRRIT.
CNTCT AT ELEVATED TEMPS CAN RESULT IN THERMAL BURNS. ING 4:MAY
CAUSE SLIGHT (EFTS OF OVEREXP)

Explanation of Carcinogenicity:NOT RELEVANT

Effects of Overexposure:HLTH HAZ:TRANSIENT IRRIT. CORNEAL INJURY

UNLIKELY. ING 5:MAY CAUSE SLIGHT IRRIT & SLIGHT CORNEAL IN
JURY.

SKIN:ING 1:MAY CAUSE IRRIT. PRLNGD/RPTD CNTCT MAY CAUSE REDNESS,
BURNING, DRYING & CRACKING. CN TCT MAY RESULT IN SKIN ABSORP BUT
SYMPSOF TOX NOT ANTICIPATED BY RTE ALONE UNDER NORM CONDS OF USE.
(SUPP DATA)

Medical Cond Aggravated by Exposure:PRE-EXISTING SKIN, EYE & KIDNEY
DISORDERS MAY BE AGGRAVATED BY EXPOS TO PROD. PRE-EXISTING SKIN/
LUNG ALLERGIES MAY INCREASE CHANCE OF DEVELOPING INCREASED ALLERGY
SYMPTOMS FROM EXPOSURE TO PRODUCT.

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= First Aid Measures =====

First Aid:EYE:IRRIGATE W/FLOWING WATER IMMED & CONTINUOUSLY FOR AT
LEAST 15 MIN. CALL MD. SKIN:FLUSH W/FRESH WATER & WASH THORO W/SOAP
& WATER. IF IRRIT NOTED,GET MD. WASH CONTAMD CLTHG BEFORE REUSE.
INGEST:GET MD IMMED . INHAL:REMOVE TO FRESH AIR. IF NOT BRTHG GIVE
MOUTH-TO-MOUTH RESUSCITATION. IF BRTHG DFCLT,GIVE O*2. CALL MD.
NOTE TO MD:NO SPECIFIC ANTIDOTE. SUPPORTIVE CARE. TREATMENT
BASED(ING 21)

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Fire Fighting Measures =====

Flash Point Method:SCC

Flash Point:145F,63C

Extinguishing Media:CARBON DIOXIDE, FOAM OR DRY CHEMICALS.

Fire Fighting Procedures:WEAR NIOSH/MSHA APPROVED SCBA AND FULL
PROTECTIVE EQUIPMENT .

Unusual Fire/Explosion Hazard:DO NOT STORE OR MIX W/STRONG OXIDANTS.

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

Spill Release Procedures:REMOVE IGNITION SOURCES. PROVIDE ADEQUATE
VENTILATION. COVER SPILL W/ABSORBENT MATERIAL AND
REMOVE TO WASTE
CONTAINER.

Neutralizing Agent:NONE SPECIFIED BY MANUFACTURER.

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

Handling and Storage Precautions:STORE IN CLOSED CONTAINERS IN COOL,
DRY AREA AWAY FROM HEAT, SPARKS AND OPEN FLAMES. USE ONLY
W/ADEQUATE VENTILATION.

Other Precautions:AVOID PROLONGED OR REPEATED BREATHING OF VAPORS OR
CONTACT W/SKIN.

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

Respiratory Protection:WEAR P

ROPERLY FITTED NIOSH/MSHA APPROVED SCBA OR
INDUSTRIAL TYPE CANISTER MASK IN ENCLOSED AREAS W/POOR OR NO
VENTILATION SYSTEM. IF AIR CONTAM SUSPECTED, CONTAM SHOULD BE
VERIFIED BY AIR MONITORING B EFORE SELECTION OF RESP PROT EQUIP
MADE.

Ventilation:LOCAL EXHAUST PREFERRED. MECHANICAL ACCEPTABLE.

Protective Gloves:HYDROCARBON INSOLUBLE RUBBER OR PLASTIC.

Eye Protection:CHEM WORK GOG & FULL LENGTH FSHLD.

Other Protective Equipment:HYDROCARBON INSOLUBLE APRONS, EYE WASH AND
SAFET

Y SHOWER.

Work Hygienic Practices:NONE SPECIFIED BY MANUFACTURER.

Supplemental Safety and Health

EFTS OF OVEREXP:ING 2:CAN PRDCE MOD IRRIT ON PRLNGD CNTCT. MAY BE MILD SENSITIZER ON RPTD/PRLNGD EXPOS. ING 3:BASED ON PROD TESTING, MOD IRRIT & MAY CAUSE SENSIT. CNTCT W/PROD AT ELEVATED TEMPS CAN RESULT IN THERMAL BURNS. ING 4:PRLNGD EXPOS NOT LIKELY TO CAUSE SIGNIFICANT IRRIT. PRLNGD CNTCT W/VERY LG AMTS MAY (ING 6)

===== Physical/Chemical Properties =====
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Boiling Pt:B.P. Text:320F,160C
Vapor Pres: