

DEXTER AEROSPACE MATERIAL DIVISION -- HYSOL EA 934NA QT SYSTEM, AS9174016 --  
8040-01-347-7599

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

Product ID:HYSOL EA 934NA QT SYSTEM, AS9174016

MSDS Date:05/01/1993

FSC:8040

NIIN:01-347-7599

Kit Part:Y

MSDS Number: BZSZJ

=== Responsible Party ===

Company Name:DEXTER AEROSPACE MATERIAL DIVISION

Address:2850 WILLOW PASS ROAD

Box:312

City:PITTSBURG

State:CA

ZIP:94565-

0031

Country:US

Info Phone Num:510-458-8000

Emergency Phone Num:800-424-9300(CHEMTREC)

Preparer's Name:MSDS DEPT

CAGE:33564

=== Contractor Identification ===

Company Name:DEXTER CORPORATION ADHESIVE & COATING SYSTEMS

Address:2850 WILLOW PASS ROAD

Box:312

City:BAY POINT

State:CA

ZIP:94565-3299

Country:US

Phone:202-483-7616

CAGE:33564

Company Name:WATKINS AND ASSOCIATES INC

Address:5395 WEBB PKY

Box:City:LILBURN

State:GA

ZIP:30047

Country:US

Phone:770-279-9200

CAGE:3D523

===== Compositio

n/Information on Ingredients =====

Ingred Name:POLYMER OF EPICHLOROHYDRIN, PHENOL-FORMALDEHYDE NOVOLAC  
RESIN (ORAL RAT LD50=>4000 MG/KG)

CAS:28064-14-4

Fraction by Wt: 20-60%

Other REC Limits:NONE RECOMMENDED

Ingred Name:4-GLYCIDYLOXY-N,N-DIGLYCIDYLANILINE (ORAL RAT LD50 = 1000  
MG/KG)(DERMAL RABBIT LD50 = >4000 MG/KG)

CAS:5026-74-4

Fraction by Wt: 15-40%

Other REC Limits:NONE RECOMMENDED

Ingred Name:VOC = 4000 MG/KG)

CAS:7429-90-5

RTECS #:BD0330000

Fraction by Wt: 10-30%

Othe

r REC Limits:NONE RECOMMENDED

OSHA PEL:15 MG/M3

ACGIH TLV:10 MG/M3

Ingred Name:SILICA (DERMAL RABBIT LD50 = >4000 MG/KG)

CAS:112926-00-8

Fraction by Wt: 1-5%

Other REC Limits:NONE RECOMMENDED

OSHA PEL:6 MG/M3

ACGIH TLV:10 MG/M3

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

LD50 LC50 Mixture:MIXTURE HAS NOT BEEN TESTED AS A WHOLE.

Routes of Entry: Inhalation:YES Skin:YES Ingestion:NO

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

Health Hazards Acute and Chronic:

BRIEF CONTACT MAY IRRIT SKIN OR CAUSE

A RASH. REPEATED OR PROLONGED SKIN CONTACT MAY RESULT IN ALLERGIC  
SENSITIZATION. CARCINOGENICITY NOTE: BISPHENOL A/EPICHLOROHYDRIN  
EPOXY RESIN HAS EXHIBITED MUTAGENICITY IN BACTERIA.

Explanation of Carcinogenicity:NEITHER THIS MATERIAL NOR ANY OF IT'S  
COMPONENTS IS CONSIDERED A CARCINOGEN.

Effects of Overexposure:SKIN RASH, IRRITATION.

Medical Cond Aggravated by Exposure:SKIN SENSITIZATION.

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

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First Aid:EYE:FLUSH W/WATER FOR 15MINS. IF IRRIT PERSISTS GET MED ATTN.  
SKIN:WASH THOROUGHLY W/SOAP & WATER. IF IRRIT PERSISTS GET MED  
ATTN. INHAL:REMOVE VICTIM TO FRESH AIR. IF SYMPTOMS PERSIST GET MED  
ATTN. I NGEST:DRINK PLENTY OF WATER. GET MED ATTN IMMED.

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

Flash Point:NOT TESTED  
Lower Limits:NOT TESTED  
Upper Limits:NOT TESTED  
Extinguishing Media:DRY CHEMICAL, OR HALON FIRE EXTINGUISHER, OR W  
ATER  
SPRAY, FOAM OR FOG.  
Fire Fighting Procedures:WEAR SCBA & FULL PROTECTIVE CLOTHING, SUCH AS  
TURN-OUT GEAR. CARTRIDGE RESP DO NOT PROVIDE ADEQUATE PROTECTION  
FOR FIREFIGHTERS OR EXOTHERM MITIGATION.  
Unusual Fire/Explosion Hazard:MAY LIBERATE LARGE QUANTITIES OF DENSE  
FOUL-SMELLING SMOKE WHICH MAY CONTAIN UNIDENTIFIED TOXIC GASES.

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

Spill Release Procedures:WEAR PROTECTIVE CLOTHING, GLOVES & SAFETY  
GLASSES.  
SCRAPE UP OR SHOVEL INTO DOT APPROVED WASTE CONTAINERS.  
Neutralizing Agent:NOT APPLICABLE.

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

Handling and Storage Precautions:REFRIGERATED STORAGE IS RECOMMENDED TO  
MAINTAIN PRODUCT QUALITY. THIS PRODUCT MAY BE STORED @ 40F FOR UP  
TO 12 MONTHS.  
Other Precautions:FOLLOW CURING SCHEDULE AS RECOMMENDED IN PRODUCT  
LITERATURE.DON'T CUT/GRIND/WELD/DRILL ON/NEAR CONTAINER.AVOID  
MIXING PARTS A&B IN BATCHES >1LB UNLESS P  
LAN TO USE IMMED.DON'T  
HEAT MIXED ADHESIVE >75F UNLESS CURING SURFACES TO BE BONDED.

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

Respiratory Protection:UNNECESSARY WITH ADEQUATE EXHAUST VENTILATION.  
Ventilation:LOCAL EXHAUST VENTILATION AT THE POINT OF USE.  
Protective Gloves:BUTYL RUBBER, PVC, NITRILE RUBBER GLOVES  
Eye Protection:SAFETY GLASSES W/SIDE SHIELD;CHEM GOGGLE  
Other Protective Equipment:AN EYEWASH AND SAFETY SHOWER SHOULD BE  
NEARBY AND READY FOR USE.

Work Hygienic Practices:WASH HANDS THOROUGHLY AFTER HANDLING MATERIALS.  
Supplemental Safety and Health  
FAILURE TO OBSERVE PRECAUTIONS IN MIXING/HEATING MAY RESULT IN  
EXCESSIVE HEAT BUILD-UP CAUSING AN EXOTHERM. THE EXOTHERM HAS  
POTENTIAL FOR RELEASE OF TOXIC GASES.

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

Boiling Pt:B.P. Text:UNDEFINED  
Decomp Temp:Decomp Text:UNTESTED  
Vapor Pres:NIL  
Vapor Density:>1.0  
Spec Gravity:1.59  
Viscosity:\*  
Solubility in Water:NEGLIGI  
BLE.  
Appearance and Odor:VISCOUS GRAY PASTE, SLIGHT ODOR  
Corrosion Rate:NA

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

Stability Indicator/Materials to Avoid:YES  
STRONG OXIDIZING AGENTS, STRONG LEWIS OR MINERAL ACIDS.  
Stability Condition to Avoid:AVOID MIXING RESIN & CURING AGENT IN  
BATCHES >1 LB. UNLESS YOU PLAN TO USE IMMEDIATELY, DON'T HEAT MIXED  
ADHESIVE >120F.  
Hazardous Decomposition Products:CO, NOX, ALDEHYDES, ACIDS &  
UNDETERMINED ORGANICS.  
Conditions  
to Avoid Polymerization:POLYMERIZATION NOT LIKELY

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

Waste Disposal Methods:NOT RCRA HAZ WASTE.HOWEVER, INCINERATION IN EPA  
APPROVED WASTE INCINERATOR IS PREFERRED.CHEM ADDITIONS/  
PROCESSING/OTHERWISE ALTERING MATL MAY MAKE WASTE MANAGEMENT INFOR  
HEREIN INCOMPLETE/INACCURATE/ INAPPROPRIATE.CONSULT STATE/LOC  
REGULATIONS.

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