

MATERIAL SAFETY DATA SHEET

Prepared: OCT 1999 M. Brian Zelek

24 HOUR EMERGENCY ASSISTANCE CHEMTREC: 800-424-9300	AMERICAN SYNTHETICS COMPANY 14255 N. 79th St. Scottsdale, AZ 85260 Ph 480.951-8400
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ACUTE HEALTH 1	FIRE 0	REACTIVITY 0	HAZARD RATING LEAST - 0 SLIGHT - 1 MODERATE - 2 HIGH - 3 EXTREME - 4
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SECTION I	EPOXY RESIN
PRODUCT NAME	REACTIVE COLOR PIGMENTS, COMPOUND Ingredient
CHEMICAL NAME	EPICHLOROHYDRIN BASED EPOXY RESINS
CHEMICAL FAMILY	EPOXY RESIN

SECTION II-A	PRODUCT / INGREDIENT
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Number	Composition	CAS Number	Percent
P	COMPOUND INGREDIENT, PAINT FILL	MIXTURE	
1	Polymer of EPICHLORHYDRIN & BISPHENOL A	025085-99-8	30-38%
2	PIGMENTS		46-58%
3	FILLERS		4-9%
4	ALKYL GLYCIDYL ETHER (C12-C14)	068609-97-2	8-15%
5	* TRADE SECRET		3-7%

* SPECIFIC CHEMICAL IDENTITY AND / OR PROPORTION OF THIS COMPONENT IS BEING HELD AS TRADE SECRET INFORMATION.

SECTION II-B	TOXICITY DATA
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Number	Acute Oral LD50	Acute Dermal LD50	Acute Inhalation
P	NO DATA AVAILABLE	NO DATA AVAILABLE	NO DATA AVAILABLE
1	.11.4 G/KG (RAT)	20 ML/KG (RABBIT)	n.a.
2			
3			
4	15000 mg / kg (rat)	n.a.	70810 mg / m3 (rat, 4 hr)

* THIS INHALATION TEST MAY NOT BE RELEVANT DUE TO LOW VOLATILITY OF THE RESIN.

SECTION III	HEALTH INFORMATION
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EYE CONTACT

BASED ON PRODUCT TESTING, PRODUCT IS MODERATELY IRRITATING TO THE EYES.

SKIN CONTACT

MODERATELY IRRITATING TO THE EYES.

INHALATION

RELATIVELY LOW VOLATILITY, THIS PRODUCT IS NOT LIKELY TO BE AN INHALATION HAZARD, HOWEVER IF BREATHING BECOMES DIFFICULT, REMOVE TO FRESH AIR

INGESTION

CONSIDERED TO HAVE A LOW ORDER OF ACUTE ORAL TOXICITY. NEVER GIVE ANYTHING BY MOUTH TO AN UNCONSCIOUS PERSON. DRINK SEVERAL GLASSES OF WATER. DO NOT INDUCE VOMITING.

SIGNS / SYMPTOMS

IRRITATION AS NOTED. SKIN SENSITIZATION (ALLERGY) MAY BE EVIDENCED BY RASHES, ESPECIALLY HIVES.

OTHER EFFECTS

SECTION IV OCCUPATIONAL EXPOSURE LIMITS

Number	OSHA PEL	ACGIH/TLV	VAPOR PRESSURE 25 C mm Hg	Temp	OTHER Wt Percent
P	NO OSHA NOR ACGIH LIMITS HAVE BEEN ESTABLISHED FOR THIS PRODUCT.			Believed to be relatively harmless	
1					
2					
3					
4	100 PPM	100 PPM	23	68 F	8-15%

* THE SKIN NOTATION INDICATES THE SUBSTANCE MAY BE ABSORBED THROUGH THE SKIN, MUCOUS MEMBRANES, OR EYES, BY DIRECT OR AIRBORNE EXPOSURE, AND SUGGESTS THAT APPROPRIATE MEASURES BE TAKEN TO PREVENT SUCH ABSORPTION.

SECTION V EMERGENCY AND FIRST AID PROCEDURES

EYE CONTACT

IMMEDIATELY FLUSH EYES WITH PLENTY OF WATER FOR AT LEAST 15 MINUTES WHILE HOLDING EYELIDS OPEN. RINSE CONTINUOUSLY WITH WATER WHILE ON WAY TO GET MEDICAL ATTENTION.

SKIN CONTACT

IMMEDIATELY REMOVE CONTAMINATED CLOTHING OR SHOES, WIPE EXCESS FROM SKIN. FLUSH SKIN WITH WATER. FOLLOW BY WASHING WITH SOAP AND WATER. DO NOT REUSE CLOTHING UNTIL THOROUGHLY DECONTAMINATED. LEATHER ARTICLES, INCLUDING SHOES, CANNOT BE DECONTAMINATED AND SHOULD BE DESTROYED.

INHALATION

REMOVE VICTIM TO FRESH AIR AND PROVIDE OXYGEN IF BREATHING IS DIFFICULT. GET MEDICAL ATTENTION IF NECESSARY

INGESTION

DO NOT INDUCE VOMITING. IN GENERAL, NO TREATMENT IS NECESSARY UNLESS LARGE QUANTITIES OF PRODUCT ARE INGESTED. HOWEVER, GET MEDICAL ADVICE.

SECTION VI SUPPLEMENTAL HEALTH INFORMATION

SECTION VII PHYSICAL DATA

BOILING POINT N.A.	SPECIFIC GRAVITY	9.44 lbs. / gal
MELTING POINT N.A.	SOLUBILITY (In Water)	NEGLIGIBLE
EVAPORATION RATE NOT AVAILABLE	VAPOR PRESSURE	.03 AT 77 DEG. C
APPEARANCE Mobile, viscous liquid	VAPOR DENSITY	NOT APPLICABLE

SECTION VIII FIRE AND EXPLOSION HAZARDS

FLASH POINT AND METHOD

T.C.C., F. NOT AVAIL

EXTINGUISHING MEDIA

USE WATER FOR, "ALCOHOL" FOAM, DRY CHEMICAL OR CO2.

FIRE FIGHTING PROCEDURES & PRECAUTIONS

DO NOT ENTER CONFINED FIRE SPACE WITHOUT FULL BUNKER GEAR, INCLUDING A POSITIVE PRESSURE NIOSH APPROVED SELF-CONTAINED BREATHING APPARATUS. COOL FIRE EXPOSED CONTAINERS WITH WATER.

UNUSUAL FIRE AND EXPLOSION HAZARDS

SEE SECTION XII

FLAMMABLE LIMITS

Lower: NA Upper: NA

SECTION IX REACTIVITY

STABILITY: STABLE

HAZARDOUS POLYMERIZATION: WILL NOT OCCUR

CONDITIONS AND MATERIALS TO AVOID

CAN REACT VIGOROUSLY WITH STRONG OXIDIZING AGENTS, STRONG LEWIS OR MINERAL ACIDS, AND STRONG MINERAL AND ORGANIC BASES / ESPECIALLY PRIMARY AND SECONDARY ALIPHATIC AMINES.

HAZARDOUS DECOMPOSITION PRODUCTS

CARBON MONOXIDE, ALDEHYDES, ACIDS AND OTHER ORGANIC SUBSTANCES MAY BE FORMED DURING COMBUSTION OR ELEVATED (500 DEG. F) TEMPERATURE DEGRADATION.

SECTION X EMPLOYEE PROTECTION

RESPIRATORY PROTECTION

NOT ORDINARILY REQUIRED. IF DIFFICULTY IN BREATHING OCCURS, REMOVE PERSON TO FRESH AIR

AVOID CONTACT WITH EYES. WEAR SAFETY GLASSES OR GOGGLES AS APPROPRIATE. AVOID PROLONGED OR REPEATED CONTACT WITH SKIN. WEAR CHEMICAL-RESISTANT GLOVES AND OTHER CLOTHING AND OTHER CLOTHING AS REQUIRED TO MINIMIZE CONTACT.

PROTECTIVE CLOTHING

ADDITIONAL PROTECTIVE MEASURES

SECTION XI ENVIRONMENTAL PROTECTION

SPILL OR LEAK PROCEDURES

WILL BURN ALTHOUGH NOT READILY IGNITABLE, BUT WILL NOT SUPPORT COMBUSTION. USE CAUTIOUS JUDGMENT WHEN CLEANING UP LARGE SPILLS.

SECTION XII SPECIAL PRECAUTIONS

STORE IN A COOL, DRY PLACE. KEEP AWAY FROM OPEN FLAMES AND HIGH TEMPERATURES.

CONTAINERS, EVEN THOSE THAT HAVE BEEN EMPTIED, CAN CONTAIN HAZARDOUS PRODUCT RESIDUES. WASH WITH SOAP AND WATER BEFORE EATING, DRINKING, SMOKING, APPLYING COSMETICS, OR USING TOILET FACILITIES.

SECTION XIII TRANSPORTATION REQUIREMENTS

DEPARTMENT OF TRANSPORTATION CLASSIFICATION:

NOT REGULATED

D.O.T. PROPER SHIPPING NAME

NOT DETERMINED - KEEP AWAY FROM FOOD