

# MATERIAL SAFETY DATA SHEET

Prepared: March 2014 M. Brian Zelek

<b>24 HOUR EMERGENCY ASSISTANCE</b> <b>CHEMTREC: 800-424-9300</b>			<b>AMERICAN SYNTHETICS COMPANY</b> 14255 N. 79th St. Scottsdale, AZ 85260 Ph 480.951-8400		
<b>ACUTE HEALTH</b> 1	<b>FIRE</b> 0	<b>REACTIVITY</b> 0	<b>HAZARD RATING</b> LEAST - 0    SLIGHT - 1    MODERATE - 2    HIGH - 3    EXTREME - 4		

<b>SECTION I</b>		<b>EPOXY RESIN</b>	
<b>PRODUCT NAME</b>	Epoxy <b>COLOR PIGMENTS</b> Blue, Green, Orange, Red, Teal, Turquoise, Purple, Yellow, White and Black		
<b>CHEMICAL NAME</b>	EPICHLOROHYDRIN BASED EPOXY RESINS		
<b>CHEMICAL FAMILY</b>	EPOXY RESIN		

<b>SECTION II-A</b>	<b>PRODUCT / INGREDIENT</b>
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Number	Composition	CAS Number	Percent
<b>P</b>	<b>COMPOUND INGREDIENT, PAINT FILL MIXTURE</b>		
1	Polymer of EPICHLORHYDRIN & BISPHENOL A	025085-99-8	30-38%
2	Assorted Color PIGMENTS		46-58%
3	Assorted Clay 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.

<b>SECTION II-B</b>	<b>TOXICITY DATA</b>
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Number	Acute Oral LD50	Acute Dermal LD50	Acute Inhalation
<b>P</b>	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.

<b>SECTION III</b>	<b>HEALTH INFORMATION</b>
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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 VOMITNG.

#### 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					
1	NO OSHA NOR ACGIH LIMITS HAVE BEEN ESTABLISHED FOR THIS PRODUCT.			Believed to be relatively harmless	
2	NO OSHA NOR ACGIH LIMITS HAVE BEEN ESTABLISHED FOR THIS PRODUCT.			Believed to be relatively harmless	
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**

<b>BOILING POINT</b> N.A.	<b>SPECIFIC GRAVITY</b>	9.6 -10.2 lbs. / gal
<b>MELTING POINT</b> N.A.	<b>SOLUBILITY (In Water)</b>	NEGLIGIBLE
<b>EVAPORATION RATE</b> NOT AVAILABLE	<b>VAPOR PRESSURE</b>	.03 AT 77 DEG. C
<b>APPEARANCE</b> Mobile, viscous liquid	<b>VAPOR DENSITY</b>	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

**FLAMMABLE LIMITS**

Lower: NA Upper: NA

**SECTION IX REACTIVITY**

**STABILITY:** STABLE

**HAZARDOUS POLYMERIZATION:** WILL NOT OCCUR

**CONDITIONS AND MATERIALS TO AVOID**

CAN REACT WITH STRONG OXIDIZING AGENTS, STRONG LEWIS OR MINERAL ACIDS, AND STRONG MINERAL AND ORGANIC BASES.

**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.

AVOID CONTACT WITH EYES. WEAR SAFETY GLASSES OR GOGGLES AS APPROPRIATE. AVOID PROLONGED OR REPEATED CONTACT WITH SKIN.

**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.

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**