MATERIAL SAFETY DATA SHEET

VersaChem Corporation 6643 42nd Terrace North West Palm Beach, FL 33407 (407) 845-2425

Page 1 of 3

SECTION I IDENTIFICATION OF PRODUCT				
TRADE NAME	PRODUCT CODF			
Steel Weld Epoxy Resin	45-20 #45209 BRANO			
	RESIN			
SYNONYM OR CROSS REFERENCE	PROPER SHIPPING NAME			
Epoxy Resin	Resin Solution			

HAZARDOUS INGREDIENTS SECTION II

MATERIAL

NATURE OF HAZARD

Bisphenol A - Epichlorohydrin

Resin

43%

Eye and skin irritant.

See Page 3 attached.

SECTION III	PHYSICAL DATA
BOILING POINT N/A	MELTING POINT N/A
VAPOR PRESSURE N/A	SPECIFIC GRAVITY (water=1) 1.17
VAPOR DENSITY (AIR = 1) > 1	PERCENT VOLATILE BY VOLUME (%) < 50%
WATER SOLUBILITY Not soluble	EVAPORATION RATE (<u>Ethyl Ether</u> = 1) (1
1005104105	

Dark, smooth paste

SECTION IV	FIRE AND EXPLOSION HAZARD	DATA	
FLASH POINT (method used)	FLAMMABLE LIMITS	Lower	Upper
COC > 200° F.	N/A		

FIRE EXTINGUISHING

Water, CO2, Dry Chemical

SPECIAL FIRE-FIGHTING PROCEDURES Water or foam may cause frothing which can be violent and possibly endanger the life of the firefighter, especially if sprayed into containers of hot, burning liquid. Self-contained breathing apparatus with a full UNUSUAL FIRE AND EXPLOSION HAZARD/facepiece operated in pressure demand or other positive

N/A

pressure mode.

SECTION V HEALTH HAZARD

THRESHOLD LIMIT VALUE

See Page 3 attached.

HEALTH HAZARDS Avoid contact with eyes, skin and clothing. Wash thoroughly after handling. Use with adequate ventilation.

FIRST AID PROCEDURES

Can cause irritation. Flush with excess water. Call a physician. EYES:

Prolonged or repeated contact can cause moderate irritation, defatting and SKIN: dermatitis. Wash with soap and water.

INHALATION: Excessive inhalation of vapors can cause masal and respiratory irritation.

Remove to fresh air.

Can cause gastrointestinal irritation, nausea, vomiting, diarrhea. SWALLOWED:

Call a physician.

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STABILITY	SECTION		EACTIVITY I		-	
	UNSTABLE		CONDITIONS TO	AVOID Open flame, sparks		
	STABLE		excessive h	eat (above 100° F.) and/o		
	31,000	X		n strong oxidizing agents		
INCOMPATABILITY (materials i		-				
Strong acids and/or s	strong oxid	izing age	ents (like per	oxides).		
HAZARDOUS DECOMPOSITIO	N PRODUCTS	Thermal	decomposition	will yield oxides of car	bon	
(carbon monoxide and	carbon dio	xide) and	d acrid fumes.			
HAZARDOUS POLYMERIZATION	MAY OCCUI	RX	CONDITIONS TO	AVOID Strong acids, stro		
TOETMENT DATION	WILL NOT OCC	2110	oxidants an	d epoxy resins (amines/amids		
	14122 1401 000	where direc		t contact is under uncontrol		
SECTION	VII SPI	LL AND	L Conditions	PROCEDURES		
SPILLS Pick up larg				ke vermiculite or sand,	and	
place in a proper cor	ntainer for	disposal	. Wash and c	ean up small spills with	and	
water and detergents.	,					
DISPOSAL					***************************************	
Disposal method must	comply with	n Local	State and Fod	oral Danulariana		
and the state of t	, are	i bocar,	State and rede	tal Regulations		
				•		
	ION VIII	PROTE	CTION INFO	RMATION		
RESPIRATORY PROTECTION	(specify type)				Webseld Street, and	
Ventilate with air fl	ow to keep.	vapor co	ncentration be	low TLV		
VENTILATION	LOCA			SPECIAL		
Use in well ventilate	The state of the s		xhaust	See Section I	<u>`</u>	
area	MECH	HANICAL (ger	'	OTHER		
		Accepta	EYE PROTECTIO		mineral manages	
PROTECTIVE GLOVES					٥	
	t recommend	led		00		
Neoprene or equivalen		led		nst accidental splashes	Marine State	
Neoprene or equivalen OTHER PROTECTIVE EQUIPM	ENT		protect agai	nst accidental splashes	Wallington and an	
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In einformation in this Material Safety Data Sheet has been compiled from our experience and data presented in various technical publications. It is the users responsibility to determine the suitability of this information for the adoption of safety precautions as may be necessary. We reserve the right to revise Material Safety Data Sheets from time to time as new technical information becomes available. The user has the responsibility to contact the company to make sure that the sheet is the latest one issued

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PRODUCT RATING

HMIS LABEL CODE:

HEALTH

FLAMMABILITY

 $\frac{3}{1}$

0 = least hazard to 4 = greatest hazard REACTIVITY

1

PRODUCT: Steel Weld Epoxy Resin

SECTION II - LIST OF INGREDIENTS

45-2C	Weight % Range:	CAS #	TLV/PEL
	% Range.		1
Epoxy Resins	Less than 43%	25068-38-6	N/E *
Pigments & extenders:			**
Aluminum Powder Iron Powder Calcium Carbonate	Less than 59%	\	TLV 10 mg/m ³ TLV 15 mg/m ³ TLV 10 mg/m ³ ACGIH 1977
Silica (SiO ₂)		7631-86-9	20 mppcf 8-hr. time weighted average
		•	
* Not Established ** Available data shows hazard as dust. In this product as sold and distributed, the material is wetted down limiting the exte	is		
and severity of the potential hazard.			
CARCINOGENICITY NTP IARC OSHA			
None			
⁷ –18–86			
-10-00			