

Material Safety Data Sheet

Devcon

H HEALTH	1
F FLAMMABILITY	1
R REACTIVITY	0

The information and recommendations contained herein are based upon data believed to be correct. However, no guarantee or warranty of any kind expressed or implied is made to the information contained herein.

HAZARDOUS MATERIAL IDENTIFICATION SYSTEM

SECTION 1 - IDENTITY AND EMERGENCY INFORMATION

TRADE NAME	292-PSB1 PLASTIC STEEL LIQUID (B) - RESIN 292-PSB4	EMERGENCY TELEPHONE NO. (617) 777-1100
CHEMICAL FAMILY	Filled Epoxy Resin	OTHER INFORMATION CALLS DEVCON SAFETY DEPT (617) 777-1100

OTHER PRODUCT INFORMATION: The following health hazard data pertain to the resin only. When mixed with the hardener, uncured material should be handled in accordance with the precautions recommended on the hardener Material Safety Data Sheet.

SECTION 2 - HAZARDOUS INGREDIENTS

INGREDIENTS	CAS NUMBER	%	NATURE OF HAZARD
Bisphenol A Diglycidyl Ether Resin	25068-38-6	30-60	Moderate skin sensitizer

SECTION 3 - PHYSICAL DATA

BOILING POINT (F)	n.a.	VAPOR DENSITY (AIR = 1)	>1	EVAPORATION RATE (BuAc = 1)	n.a.
MELTING POINT (F)	n.a.	SPECIFIC GRAVITY	2.8	SOLUBILITY IN WATER	Nil
VAPOR PRESSURE (mm Hg) @ 78°F	Nil	PERCENT VOLATILE BY VOLUME (%)	0	pH (5 wt % in H2O)	7.0
APPEARANCE AND ODOR Dark gray paste, low odor.					

SECTION 4 - FIRE AND EXPLOSION HAZARD DATA

FLASH POINT (F) (Method Used)	>400°F (PMCC)	FLAMMABLE LIMITS IN AIR	LEL n.a.	UEL n.a.
EXTINGUISHING MEDIA CO ₂ or dry chemicals. Polymer foams for large fires.				
SPECIAL FIRE FIGHTING PROCEDURES Firefighters should wear self-contained breathing apparatus and protective clothing.				
UNUSUAL FIRE AND EXPLOSION HAZARDS None				

SECTION 5 - HEALTH HAZARD DATA

EMERGENCY AND FIRST AID PROCEDURES	
EYES	Flush with water for 15 minutes. Get medical attention.
SKIN	Wash with soap and warm water. Get medical attention if irritation develops.
INGESTION	Do not induce vomiting. Administer two glasses of water. Get medical advice.
INHALATION	Remove to fresh air. Administer oxygen if breathing is difficult. Get medical attention.

SECTION 5 - HEALTH HAZARD DATA (Continued)

THRESHOLD LIMIT VALUE Not established	ORAL LD ₅₀ (RAT): Epoxy Resin 11.4g/kg	DERMAL LD ₅₀ (RABBIT): Epoxy Resin >20g/kg	INHALATION LC ₅₀ (RAT) Epoxy Resin No deaths in sat'd air for 8 hrs
ROUTE OF EXPOSURE		EFFECTS OF OVEREXPOSURE	
ACUTE:			
EYES:	Mild irritation		
SKIN:	Mild irritation		
INHALATION:	No data		
CHRONIC: Moderate skin sensitizer			
CARCINOGENICITY:	NTP? No	ACGIH? No	OSHA REGULATED? No
MEDICAL CONDITIONS GENERALLY AGGRAVATED BY EXPOSURE Allergy, eczema, skin condition			

SECTION 6 - REACTIVITY DATA

STABILITY	UNSTABLE		CONDITIONS TO AVOID
	STABLE	X	Open flame and excessive heat.
INCOMPATIBILITY (Materials to Avoid) Strong oxidizing agents and strong acids			
HAZARDOUS DECOMPOSITION PRODUCTS Oxides of carbon, aldehydes and acids from incomplete combustion.			
HAZARDOUS POLYMERIZATION	MAY OCCUR		CONDITIONS TO AVOID
	WILL NOT OCCUR	X	Heat is generated when mixed with epoxy hardener. Use caution when mixing large quantities.

SECTION 7 - SPILL OR LEAK PROCEDURES

STEPS TO BE TAKEN IN CASE MATERIAL IS RELEASED OR SPILLED	Prevent skin and eye contact. Scrape up and discard in suitable containers. Use absorbent material if necessary. Wash spill area with an industrial cleaning agent. If a solvent is used for cleaning, take <u>precautions against fire and personal overexposure.</u>
WASTE DISPOSAL METHOD	Remove to a waste disposal facility operating in compliance with state and local regulations.

SECTION 8 - SPECIAL PROTECTION INFORMATION

EYES:	Safety glasses with side shields.
SKIN:	Chemical resistant rubber gloves and other protective clothing as required to prevent skin contact.
INHALATION:	None required at normal handling temperatures.
VENTILATION:	Local exhaust is recommended for confined areas. General ventilation is adequate for normal use.

SECTION 9 - SPECIAL PRECAUTIONS

PRECAUTIONS TO BE TAKEN IN HANDLING, STORING, ETC.
Store in a cool, dry place. Handle in accordance with the potential hazard of the curing agent used. Remove contaminated clothing and protective gear. Launder or clean before re-use. Destroy leather articles, including shoes that cannot be decontaminated. Wash thoroughly after using, particularly before eating or smoking. If cured material is sanded or machined, use proper precautions. Wear adequate protective equipment to prevent overexposure to nuisance particulates.

D.O.T. PROPER SHIPPING NAME Non-regulated
D.O.T. HAZARD CLASS (IF APPLICABLE) _____

REVISED
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