

**EPOXY RESIN
SUPERWELD RESIN COMPONENT
MATERIAL SAFETY DATA SHEET**

02/05/00

MSDS PROVIDED BY:

STOODY INDUSTRIAL AND WELDING SUPPLY, INC.

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Phone: (619) 234-6750

MILITARY EMERGENCY RESPONSE NUMBER 1 (800) 851-8061

DEPARTMENT OF LABOR AND INDUSTRIES MATERIAL SAFETY
DATA SHEET
INDUSTRIAL HYGIENE SECTION
POB 207
OLYMPIA, WA 98504
(206) 753-6497

MATERIAL SAFETY DATA SHEET

REPARATION/REVISION DATE

August 1992

COMPLIES WITH WAC 296-62-05413

SECTION I

MANUFACTURER'S NAME Titan Corporation	EMERGENCY TELEPHONE NO. 1-800-424-9300
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ADDRESS (Number, Street, City, and ZIP Code)
5629 208th St SW Lynnwood, WA 98036

CHEMICAL NAME Epoxy Resin	COMMON NAME SuperWeld Resin Component
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CHEMICAL FAMILY Epoxy Resin	FORMULA N/A
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SECTION II HAZARDOUS INGREDIENTS

CHEMICAL AND COMMON NAME	%	APPLICABLE EXPOSURE LIMITS		
		PEL-WISHA/OSHA	TLV-ACGIH	OTHER
Epoxy Resin	50	None established	None established	
C.A.S. No. 26447-14-3				
Fire Code Definition – Class IIIB				
HMIS Rating				
Health 2				
Fire 1				
Reactivity 1				

CARCINOGENIC INGREDIENTS

CHEMICAL AND COMMON NAME	%	REFERENCE SOURCE		
		NTP	IARC	WISHA/OSHA
N/A				

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SECTION III HEALTH HAZARD DATA

ACUTE HEALTH EFFECTS

EYES: May cause eye irritation

SKIN: Prolonged or repeated exposure may cause skin irritation. May cause skin sensitization.

SKIN ABSORPTION: A Single prolonged skin exposure is not likely to result in absorption of harmful amounts. The dermal LD50 is unknown.

INGESTION: Single dose oral LD50 is unknown. Single dose oral toxicity is expected to be low.

INHALATION: No guide for control established. Single exposure to vapors is not likely to be hazardous.

ROUTES OF ENTRY

N/A

MEDICAL CONDITIONS AGGRAVATED BY EXPOSURE

N/A

EMERGENCY AND FIRST AID PROCEDURES

EYES: Irrigate immediately with water for at least 15 minutes.

SKIN: Wash off in flowing water or shower. Remove contaminated clothing and wash before re-use. Use extra care with shoes.

INGESTION: Induce vomiting if large amounts are ingested.

INHALATION: Remove to fresh air if effects occur.

NOTE TO PHYSICIAN: No specific antidote. Supportive care. Treatment based on judgement of the physician in response to reactions of the patient.

SECTION IV CHEMICAL DATA

BOILING POINT (°F)	N/A	SPECIFIC GRAVITY (H₂O=1)	1.4
VAPOR PRESSURE (mm Hg.)	N/A	PERCENT VOLATILE BY VOLUME (%)	0
VAPOR DENSITY (AIR=1)	non-volatile	EVAPORATION RATE (_____ =1)	non-volatile

SOLUBILITY (Specify Solvents) Keytones and aromatic solvents

APPEARANCE AND ODOR

Grey colored putty.

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SECTION V PHYSICAL HAZARD DATA

FLASH POINT (Method used)	FLAMMABLE LIMITS)	Lel	Uel
320° F PMCC		n/a	n/a

EXTINGUISHING MEDIA

Foam CO₂, dry chemicals

SPECIAL FIRE FIGHTING PROCEDURES

FIRE FIGHTING EQUIPMENT: Wear positive pressure self-contained breathing apparatus during fire fighting.

UNUSUAL FIRE AND EXPLOSION HAZARDS

N/A

INCOMPATIBILITY (Materials to avoid) Strong oxidizers, acids, bases and epoxy hardeners under uncontrolled conditions.

HAZARDOUS DECOMPOSITION PRODUCTS

Under conditions of imperfect combustion and/or pyrolysis various phenolic compounds CO and/or CO₂ may be evolved.

**HAZARDOUS
POLYMERIZATION**

MAY OCCUR

CONDITIONS TO AVOID

Will not occur by itself, but masses of more than 1 pound plus an aliphatic amine will cause irreversible polymerization with heat build up.

WILL NOT OCCUR

X

Excessive heating over long periods of time de-grades the resin.
Freezing may cause a temporary haziness.

STABILITY

UNSTABLE

STABLE

X

N/A Fire conditions increase viscosity.

SECTION VI SPILL OR LEAK PROCEDURES

STEPS TO BE TAKEN IN CASE METARIAL IS RELEASED OR SPILLED

Soak up in non-reactive absorbent material or scrape up. The residue can be removed with hot soapy water. Use of methylene chloride, acetone, or Aromatic solvents in clean up pose a distinct hazard and therefore should be avoided.

WASTE DISPOSAL METHOD

Material and containers should be disposed of in an approved facility in accordance with current Federal, State and Local regulations.

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SECTION VII EXPOSURE CONTROL INFORMATION

RESPIRATORY PROTECTION (Specify type)

See below under ventilation

VENTILATION	LOCAL EXHAUST Good room ventillation usually adequate for most operations.	SPECIAL
	MECHANICAL (General) N/A	OTHER N/A

PROTECTIVE GLOVES

See below

EYE PROTECTION

Safety Glasses

OTHER PROTECTIVE EQUIPMENT

Clean, body covering clothing. In addition, rubber gloves, boots, aprons, gauntlets, and full face shield depending upon extent and severity of likely exposure.

OTHER ENGINEERING CONTROLS

N/A

WORK PRACTICES

Practice caution and good personal cleanliness to avoid skin and eye contact. Avoid breathing vapors of heated material.

HYGIENIC PRACTICES

N/A

SECTION VIII SPECIAL PRECAUTIONS

PRECAUTIONS TO BE TAKEN IN HANDLING AND STORING

This material may cause sensitization. Do not get in eyes, on skin or on clothing.

Section IX – Supplemental Information: DOT Proper Shipping Name: Not Regulated by DOT, UN Number: None, DOT Hazard Class: None

DISCLAIMER: The information contained herein is based on data considered to be accurate. However, no warranty is expressed or implied regarding the accuracy of these data or the results to be obtained from the use thereof. Recipients are advised to confirm in advance of need that the information is current, applicable, and suitable regarding all current regulations.

OTHER PRECAUTIONS

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