

# POLYAMIDE – AMINE RESINE SUPERWELD HARDENER COMPONENT MATERIAL SAFETY DATA SHEET

02/05/00

MSDS PROVIDED BY:

STOODY INDUSTRIAL AND WELDING SUPPLY, INC.

3316 National Ave., San Diego, CA 92113

Phone: (619) 234-6750

MILITARY EMERGENCY RESPONSE NUMBER 1 (800) 851-8061

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

## MATERIAL SAFETY DATA SHEET

### SECTION III HEALTH HAZARD DATA

**ACUTE HEALTH EFFECTS**  
EYES: May cause burns and irritation, especially in high concentrations.  
SKIN: May cause burns and irritation, especially in high concentrations.  
INHALATION: Can cause severe irritation of the respiratory tract if high concentrations of the vapors are inhaled.  
INGESTION: Liquid causes severe damage to mucous membranes if swallowed.  
**CHRONIC HEALTH EFFECTS:** Prolonged or repeated exposure may cause asthma and skin sensitization or other allergic responses.

COMPLIES WITH WAC 296-62-05413

August 1992

### SECTION I

MANUFACTURER'S NAME: Titan Corporation  
ADDRESS: 5629 208<sup>th</sup> St. SW, Lynnwood, WA 98036  
PHONE: 1-800-424-9300  
PRODUCT NAME: Polyamide - Amine Resin  
SUPERWELD Hardener Component  
DATE OF REVISION: N/A

### SECTION II HAZARDOUS INGREDIENTS

CHEMICAL AND COMMON NAME	%	APPLICABLE EXPOSURE LIMITS			
		PEL-WISHA/OSHA	TLV-ACGIH	OTHER	
Diethylene Triamine (Deta)	20	None established	1PPM 4MG/M <sup>3</sup>		EYES: Immediately flush with large amounts of water for at least 15 minutes lifting upper and lower lids occasionally. GET IMMEDIATE MEDICAL ATTENTION
C.A.S. No. 111400					SKIN: Immediately flush skin with water for at least 15 minutes while removing contaminated clothing and shoes. Launder clothing before re-use and discard contaminated leather articles.
Fire Code Definition - Class III B					INHALATION: Remove to fresh air if effects occur and administer oxygen if necessary. GET MEDICAL ATTENTION IF EFFECTS PERSIST.
Triethylene Tetramine	2	None established	None established		INGESTION: DO NOT INDUCE VOMITING!!! This will cause further damage to the throat. Dilute by giving water or milk to drink if victim is conscious. GET MEDICAL ATTENTION IMMEDIATELY
C.A.S. No. 112-24-3					
Fire Code Definition - Class III B					
Polyamide Resin	20	None established	None established		
C.A.S. No. N/A					
Fire Code Definition - Class III B					
Polyaliphatic Amine	7	None established	None established		
C.A.S. No. N/A					
Fire Code Definition - Class III B					
HMS Rating					
Health - 3	Reactivity - 1				
Fire - 1	Special - H				

### SECTION IV CHEMICAL DATA

BOILING POINT (°F) >405 F  
VAPOR PRESSURE (mm Hg.) not determined  
VAPOR DENSITY (AIR=1) not determined  
SPECIFIC GRAVITY (H<sub>2</sub>O=1) 1.3  
PERCENT VOLATILE BY VOLUME (%) non-volatile  
EVAPORATION RATE (=1) not determined

### CARCINOGENIC INGREDIENTS

CHEMICAL AND COMMON NAME	%	REFERENCE SOURCE		
		NTP	IARC	WISHA/OSHA
N/A				
APPEARANCE AND ODOR: Grey putty. No distinguishing odor.				

### SOLUBILITY (Specify Solvents)

Not determined in water.

F413-007-000 FORMERLY L1-413-7, MATERIAL SAFETY DATA SHEET 4-85 -933-

F413-007-000 MATERIAL SAFETY DATA SHEET 4-85 -933-A-B-

### SECTION V PHYSICAL HAZARD DATA

FLASH POINT (Closed cup): 320° F	FLAMMABLE LIQUIDS: n/a	Lel: n/a	Uel: n/a	RESPIRATORY PROTECTION (NIOSH): Local ventilation to control any vapor or odor.
DOT HAZARD CLASSIFICATION: Foam, Dry Chemicals, Carbon Dioxide	SPECIAL FIRE FIGHTING PROCEDURES: N/A	VENTILATION: LOCAL EXHAUST To control vapor or odor. MECHANICAL EXHAUST N/A		OTHER: N/A
UNUSUAL FIRE AND EXPLOSION HAZARDS: N/A	HAZARDOUS POLYMERIZATION: MAY OCCUR	HAZARDOUS DECOMPOSITION PRODUCTS: Carbon monoxide, carbon dioxide, and oxides of nitrogen	HAZARDOUS REACTIONS: Avoid contact with strong oxidizing agents, mineral acids, and epoxy resins under uncontrolled conditions.	OTHER ENGINEERING CONTROLS: N/A
HAZARDOUS POLYMERIZATION: WILL NOT OCCUR	STABILITY: UNSTABLE	HAZARDOUS REACTIONS: Carbon monoxide, carbon dioxide, and oxides of nitrogen	HAZARDOUS REACTIONS: Work area clean, no skin contact as above.	OTHER PROTECTIVE EQUIPMENT: Aprons, etc., to prevent clothing or skin contact.
HAZARDOUS POLYMERIZATION: X	STABILITY: STABLE	HAZARDOUS REACTIONS: Carbon monoxide, carbon dioxide, and oxides of nitrogen	HAZARDOUS REACTIONS: Work area clean, no skin contact as above.	OTHER PROTECTIVE EQUIPMENT: Goggles with side shields

### SECTION VII EXPOSURE CONTROL INFORMATION

RESPIRATORY PROTECTION (NIOSH): Local ventilation to control any vapor or odor.  
VENTILATION: LOCAL EXHAUST To control vapor or odor. MECHANICAL EXHAUST N/A  
OTHER PROTECTIVE EQUIPMENT: Aprons, etc., to prevent clothing or skin contact.  
OTHER ENGINEERING CONTROLS: N/A  
HAZARDOUS POLYMERIZATION: MAY OCCUR  
HAZARDOUS DECOMPOSITION PRODUCTS: Carbon monoxide, carbon dioxide, and oxides of nitrogen  
HAZARDOUS REACTIONS: Avoid contact with strong oxidizing agents, mineral acids, and epoxy resins under uncontrolled conditions.  
HAZARDOUS REACTIONS: Work area clean, no skin contact as above.  
OTHER PROTECTIVE EQUIPMENT: Aprons, etc., to prevent clothing or skin contact.  
OTHER ENGINEERING CONTROLS: N/A

### SECTION VI SPILL OR LEAK PROCEDURES

STEPS TO BE TAKEN IN CASE MATERIAL IS RELEASED OR SPILLED: Mix with absorbent material and dispose of as described below  
PRECAUTIONS TO BE TAKEN IN MOVING AND STORAGE: N/A

### SECTION VIII SPECIAL PRECAUTIONS

Section IX - Supplemental Information: DOT Proper Shipping Name: Corrosive  
Liquid N.O.S., DOT Hazard Class: Corrosive Material, DOT LD Number: UN1760  
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.

F413-007-000 INDUSTRIAL HYGIENE SECTION, MATERIAL SAFETY DATA SHEET, Olympia, 4-85 -933-C-

F413-007-000 MATERIAL SAFETY DATA SHEET 4-85 -933-C-