

TITAN CORP -- SUPERWELD HARDENER COMPONENT. -- 8040-00N055157

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Product Identification  
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Product ID: SUPERWELD HARDENER COMPONENT.

MSDS Date: 08/01/1992

FSC: 8040

NIIN: 00N055157

Kit Part: Y

MSDS Number: BVZCR

=== Responsible Party ===

Company Name: TITAN CORP

Address: 5629 208TH ST SW

City: LYNNWOOD

State: WA

ZIP: 98036

Country: US

Info Phone Num: 206-775-2582

Emergency Phone Num: 206-775-2582

CAGE: 4F637

=== Contractor Identification ===

Company Name: TITAN CORP

Address: 5629 208TH ST SW

Box: City: LYNNWOOD

State: WA

ZIP: 98036

Country: US

Phone: 206-775-2582

CAGE: 4F637

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Composition/Information on Ingredients  
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Ingred Name: DIETHYLENE TRIAMINE

CAS: 111-40-0

RTECS #: IE1225000

Fraction by Wt: 20%

OSHA PEL: 1 PPM

ACGIH TLV: 1 PPM, S

Ingred Name: TRIETHYLENE TETRAMINE

CAS: 112-24-3

RTECS #: YE6650000

Fraction by Wt: 2%

OSHA PEL: N/K

ACGIH TLV: N/K

Ingred Name: POLYAMIDE RESIN

CAS: 37219-83-3

Fraction by Wt: 20%

OSHA PEL: N/K

ACGIH TLV: N/K

Ingred Name: POLYALIPHATIC AMINE

Fraction by Wt: 7%

OSHA PEL: N/K

ACGIH TLV: N/K

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Hazards Identification  
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LD50 LC50 Mixture: NONE SPECIFIED BY MANUFACTURER.

Routes of Entry: Inhalation: NO Skin: YES Ingestion: YES

Reports of Carcinogenicity: NTP: NO IARC: NO OSHA: NO

Health Hazards Acute and Chronic: ACUTE: EYES: MAY CAUSE BURNS & IRRIT, ESPECIALLY IN HIGH CONCS. SKIN: MAY CAUSE BURNS & IRRIT, ESPECIALLY IN HIGH CONCS. INHAL: CAN CAUSE SEV IRRIT OF THE RESP TRACT IF HIGH CONCS OF VAPORS ARE INHAL. INGEST: LIQUID CAUSES SEVERE DMG TO MUCOUS MEMBRANES IF INGESTED. CHRONIC: PLNGD/RPTD EXPOS MAY(EFTS OF OVEREXP)

Explanation of Carcinogenicity: NOT RELEVANT.

Effects of Overexposure: HLTH HAZ: CAUSE ASTHMA & SKIN SENSITIZATION OR OTHER ALLERGIC RESPONSES.

Medical Cond Aggravated by Exposure: NONE KNOWN.

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First Aid Measures  
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First Aid: EYE: IMMEDIATELY FLUSH W/LGE AMTS OF WATER FOR AT LEAST 15 MINS LIFTING UPPER & LOWER LIDS OCCAS. GET IMMEDIATE MED ATTN. SKIN: IMMEDIATELY FLUSH SKIN W/WATER FOR AT LEAST 15 MINS WHILE REMOVING CONTAMD CLTHG & SHOES. LAUNDRY CLTHG BEFORE RE-USE & DISCARD CONTAMD CLTHG.

INHAL: REMOVE TO FRESH AIR IF EFTS OCCUR & ADMIN O2 IF NEC. GET MED  
ATTN IF EFFECTS PERSIST. INGEST: DO NOT INDUCE VOMITING!!! THIS  
WILL(SUPDAT)

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Fire Fighting Measures  
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Flash Point Method:CC  
Flash Point:320F,160C  
Extinguishing Media:FOAM, DRY CHEMICALS, CARBON DIOXIDE.  
Fire Fighting Procedures:WEAR NIOSH/MSHA APPROVED SCBA & FULL  
PROTECTIVE EQUIPMENT.  
Unusual Fire/Explosion Hazard:NONE SPECIFIED BY MANUFACTURER.

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Accidental Release Measures  
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Spill Release Procedures:MIX WITH ABSORBENT MATERIAL & DISPOSE OF AS  
DESCRIBED.  
Neutralizing Agent:NONE SPECIFIED BY MANUFACTURER.

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Handling and Storage  
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Handling and Storage Precautions:NONE SPECIFIED BY MANUFACTURER.  
Other Precautions:NONE SPECIFIED BY MANUFACTURER.

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Exposure Controls/Personal Protection  
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Respiratory Protection:LOCAL VENTILATION TO CONTROL ANY VAPOR OR ODOR.  
USE NIOSH/MSHA APPROVED RESPIRATOR APPROPRIATE FOR EXPOSURE OF  
CONCERN.  
Ventilation:LOC EXHST: TO CONTROL VAPOR OR ODOR.  
Protective Gloves:RUBBER NEOPRENE OR RUBBER GLOVES.  
Eye Protection:ANSI APPRVD GOG WITH SIDE SHIELDS.  
Other Protective Equipment:APRONS, ETC, TO PREVENT CLOTHING OR SKIN  
CONTACT. ANSI APPROVED EMERGENCY EYE BATH & DELUGE SHOWER  
Work Hygienic Practices:WORK AREA CLEAN, NO SKIN CONTACT AS ABOVE.  
Supplemental Safety and Health  
KEY1;J6.FIRST AID PROC: CAUSE FURTHER DAMAGE TO THE THROAT. DILUTE BY  
GIVING WATER OR MILK TO DRINK IF VICTIM IS CONSCIOUS. GET MED ATTN  
IMMEDIATELY.

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Physical/Chemical Properties  
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Boiling Pt:B.P. Text:>405F,>207C  
Spec Gravity:1.3 (H2O=1)  
Appearance and Odor:GREY PUTTY W/NO DISTINGUISHING ODOR.  
Percent Volatiles by Volume:NONVOL

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Stability and Reactivity Data  
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Stability Indicator/Materials to Avoid:YES  
AVOID CONTACT W/STRONG OXIDIZING AGENTS, MINERAL ACIDS AND EPOXY RESINS  
UNDER UNCONTROLLED CONDITIONS.  
Stability Condition to Avoid:NONE SPECIFIED BY MANUFACTURER.  
Hazardous Decomposition Products:CARBON MONOXIDE, CARBON DIOXIDE &  
OXIDES OF NITROGEN.

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Disposal Considerations  
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Waste Disposal Methods:INCINERATE OR LANDFILL ACCORDING TO LOCAL, STATE  
& FEDERAL REGULATIONS.

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