



MSDS Name **ALUMINUM / WEAR COMPOUND**  
 Manufacturer Name ITW Devcon  
 Stock No.: DE087  
 Kit MSDS Revision Date 7/30/2012

Components	
	ALUMINUM WEAR COMPOUND RESIN
	PUTTY HARDENER 0200
ITW Devcon Product Code : DE087	

### SECTION 1 - PRODUCT AND COMPANY IDENTIFICATION

Product Name: **ALUMINUM WEAR COMPOUND RESIN**  
 Manufacturer Name: ITW Devcon  
 Address: 30 Endicott Street  
 Danvers, MA 01923  
 General Phone Number: (978) 777-1100  
 Emergency Phone Number: (800) 424-9300  
 CHEMTREC: For emergencies in the US, call CHEMTREC: 800-424-9300  
 MSDS Revision Date: 06/30/2012

HMIS	
Health Hazard	2*
Fire Hazard	1
Reactivity	1
Personal Protection	x

\* Chronic Health Effects

### SECTION 2 - COMPOSITION/INFORMATION ON INGREDIENTS

Chemical Name	CAS#	Ingredient Percent
Fillers	Not applicable	30 - 60 by weight
Bisphenol A diglycidyl ether resin	25068-38-6	30 - 60 by weight
Graphite	7782-42-5	1 - 5 by weight
Crystalline silica	14808-60-7	0.1 - 1 by weight

### SECTION 3 - HAZARDS IDENTIFICATION

**Emergency Overview:** WARNING! Potential Sensitizer. Irritant.  
**Route of Exposure:** Eyes. Skin. Inhalation. Ingestion.  
**Potential Health Effects:**  
**Eye:** Can cause moderate irritation, burning sensation, tearing, redness, and swelling. Overexposure may cause lacrimation, conjunctivitis, corneal damage and permanent injury..  
**Skin:** Can cause skin irritation; itching, redness, rashes, hives, burning, and swelling. Allergic reactions are possible. May cause skin sensitization, an allergic reaction, which becomes evident on reexposure to this material.  
**Inhalation:** Respiratory tract irritant. High concentration may cause dizziness, headache, and anesthetic effects. May cause respiratory sensitization with asthma-like symptoms in susceptible individuals.  
**Ingestion:** Causes irritation, a burning sensation of the mouth, throat and gastrointestinal tract and abdominal pain.  
**Chronic Health Effects:** Prolonged skin contact may lead to burning associated with severe reddening, swelling, and possible tissue destruction.  
**Signs/Symptoms:** Overexposure can cause headaches, dizziness, nausea, and vomiting.  
**Target Organs:** Eyes. Skin. Respiratory system. Digestive system.  
**Aggravation of Pre-Existing Conditions:** Individuals with pre-existing skin disorders, asthma, allergies or known sensitization may be more susceptible to the effects of this product.

### SECTION 4 - FIRST AID MEASURES

**Eye Contact:** Immediately flush eyes with plenty of water for at least 15 to 20 minutes. Ensure adequate flushing of the eyes by separating the eyelids with fingers. Get immediate medical attention.  
**Skin Contact:** Immediately wash skin with plenty of soap and water for 15 to 20 minutes, while removing contaminated clothing and shoes. Get medical attention if irritation develops or persists.  
**Inhalation:** If inhaled, remove to fresh air. If not breathing, give artificial respiration or give oxygen by trained personnel. Seek immediate medical attention.  
**Ingestion:** If swallowed, do NOT induce vomiting. Call a physician or poison control



Distributed By  
 Freeman Manufacturing & Supply Co.  
 www.freemansupply.com 800-321-8511

center immediately. Never give anything by mouth to an unconscious person.

## SECTION 5 - FIRE FIGHTING MEASURES

Flash Point:	>400°F (204.4°C)
Flash Point Method:	Pensky-Martens Closed Cup
Auto Ignition Temperature:	Not determined.
Lower Flammable/Explosive Limit:	Not determined.
Upper Flammable/Explosive Limit:	Not determined.
Fire Fighting Instructions:	Evacuate area of unprotected personnel. Use cold water spray to cool fire exposed containers to minimize risk of rupture. Do not enter confined fire space without full protective gear. If possible, contain fire run-off water.
Extinguishing Media:	Use carbon dioxide (CO <sub>2</sub> ) or dry chemical when fighting fires involving this material.
Unsuitable Media:	Water or foam may cause frothing.
Protective Equipment:	As in any fire, wear Self-Contained Breathing Apparatus (SCBA), MSHA/NIOSH (approved or equivalent) and full protective gear.
Unusual Fire Hazards:	Sealed containers at elevated temperatures may rupture explosively and spread fire due to polymerization.. Heating above 300 deg F in the presence of air may cause slow oxidative decomposition and above 500 deg F may cause polymerization.

## SECTION 6 - ACCIDENTAL RELEASE MEASURES

Spill Cleanup Measures:	Absorb spill with inert material (e.g., dry sand or earth), then place in a chemical waste container. Provide ventilation. Clean up spills immediately observing precautions in the protective equipment section. After removal, flush spill area with soap and water to remove trace residue. Avoid personal contact and breathing vapors or mists. Ventilate area. Use proper personal protective equipment as listed in section 8.
Personnel Precautions:	Evacuate area and keep unnecessary and unprotected personnel from entering the spill area.
Environmental Precautions:	Avoid runoff into storm sewers, ditches, and waterways.
Other Precautions:	Pump or shovel to storage/salvage vessels.

## SECTION 7 - HANDLING and STORAGE

Handling:	Use with adequate ventilation. Avoid breathing vapor, aerosol or mist.
Storage:	Store in a cool, dry, well ventilated area away from sources of heat and incompatible materials. Keep container tightly closed when not in use.
Special Handling Procedures:	Provide appropriate ventilation/respiratory protection against decomposition products (see Section 10) during welding/flame cutting operations and to protect against dust during sanding/grinding of cured product.
Hygiene Practices:	Wash thoroughly after handling.

## SECTION 8 - EXPOSURE CONTROLS, PERSONAL PROTECTION - EXPOSURE GUIDELINES

Engineering Controls:	Use appropriate engineering control such as process enclosures, local exhaust ventilation, or other engineering controls to control airborne levels below recommended exposure limits. Good general ventilation should be sufficient to control airborne levels. Where such systems are not effective wear suitable personal protective equipment, which performs satisfactorily and meets OSHA or other recognized standards. Consult with local procedures for selection, training, inspection and maintenance of the personal protective equipment.
Eye/Face Protection:	Wear appropriate protective glasses or splash goggles as described by 29 CFR 1910.133, OSHA eye and face protection regulation, or the European standard EN 166.
Skin Protection Description:	Wear appropriate protective gloves and other protective apparel to prevent skin contact. Consult manufacturer's data for permeability data.
Respiratory Protection:	A NIOSH approved air-purifying respirator with an organic vapor cartridge or canister may be permissible under certain circumstances where airborne concentrations are expected to exceed exposure limits. Protection provided by air purifying respirators is limited. Use a positive pressure air supplied respirator if there is any potential for an uncontrolled release, exposure levels are not known, or any other circumstances where air purifying respirators may not provide adequate protection.
Other Protective:	Facilities storing or utilizing this material should be equipped with an eyewash and a deluge shower safety station.

### EXPOSURE GUIDELINES

<b>Graphite:</b>	
Guideline ACGIH:	2 mg/m <sup>3</sup> TLV-TWA: 2 mg/m <sup>3</sup> Respirable fraction (R)
Guideline OSHA:	15 mppcf PEL-TWA: 15 mppcf
<b>Crystalline silica:</b>	
Guideline ACGIH:	0.025 mg/m <sup>3</sup>



Distributed By  
Freeman Manufacturing & Supply Co.  
www.freemansupply.com 800-321-8511

Guideline OSHA: TLV-TWA: 0.025 mg/m<sup>3</sup> Respirable fraction (R)  
[10 mg/m<sup>3</sup>/{% SiO<sub>2</sub>} + 2]  
Notes : Only established PEL and TLV values for the ingredients are listed.

## SECTION 9 - PHYSICAL and CHEMICAL PROPERTIES

Physical State Appearance: Paste..  
Color: dark grey.  
Odor: slight odor  
Boiling Point: >500°F (260°C)  
Melting Point: Not determined.  
Specific Gravity: 2.1  
Solubility: negligible  
Vapor Density: >1 (air = 1)  
Vapor Pressure: 0.03 mmHg @171°F  
Percent Volatile: 0  
Evaporation Rate: <<1 (butyl acetate = 1)  
pH: Neutral.  
Molecular Formula: Mixture  
Molecular Weight: Mixture  
Flash Point: >400°F (204.4°C)  
Flash Point Method: Pensky-Martens Closed Cup  
Auto Ignition Temperature: Not determined.  
VOC Content: 0 g/L  
Percent Solids by Weight 100

## SECTION 10 - STABILITY and REACTIVITY

Chemical Stability: Stable under normal temperatures and pressures.  
Hazardous Polymerization: Not reported.  
Conditions to Avoid: Extreme heat, sparks, and open flame. Incompatible materials, oxidizers and oxidizing conditions. Heating resin above 300 F in the presence of air may cause slow oxidative decomposition.  
Incompatible Materials: Strong Lewis or mineral acids, strong oxidizing agents, strong mineral and organic bases (especially primary and secondary aliphatic amines).

## SECTION 11 - TOXICOLOGICAL INFORMATION

### Bisphenol A diglycidyl ether resin:

RTECS Number: SL6480000  
Skin: Administration onto the skin - Rat LD : >2 gm/kg [Nutritional and Gross Metabolic - Other changes]  
RTECS Number: MD9659600

### Crystalline silica:

RTECS Number: VV7330000  
Carcinogenicity: IARC: Group 1: Carcinogenic to humans.  
NTP: Reasonably anticipated to be a human carcinogen.

## SECTION 12 - ECOLOGICAL INFORMATION

Ecotoxicity: No ecotoxicity data was found for the product.  
Environmental Fate: No environmental information found for this product.

## SECTION 13 - DISPOSAL CONSIDERATIONS

Waste Disposal: Consult with the US EPA Guidelines listed in 40 CFR Part 261.3 for the classifications of hazardous waste prior to disposal. Furthermore, consult with your state and local waste requirements or guidelines, if applicable, to ensure compliance. Arrange disposal in accordance to the EPA and/or state and local guidelines.  
RCRA Number: None.

## SECTION 14 - TRANSPORT INFORMATION

DOT Shipping Name: Non regulated.  
DOT UN Number: N/A  
DOT Hazard Class: Not applicable.  
DOT Packing Group: Not applicable.



Distributed By  
Freeman Manufacturing & Supply Co.  
www.freemansupply.com 800-321-8511

## SECTION 15 - REGULATORY INFORMATION

### Bisphenol A diglycidyl ether resin :

TSCA Inventory Status: Listed  
Canada DSL: Listed

### Graphite :

TSCA Inventory Status: Listed  
Massachusetts: Listed  
Pennsylvania: Listed  
Canada DSL: Listed

### Crystalline silica :

TSCA Inventory Status: Listed  
Massachusetts: Listed  
Pennsylvania: Listed  
Canada DSL: Listed  
Canadian Regulations: WHMIS Hazard Class(es): D2B; D2A  
All components of this product are on the Canadian Domestic Substances List.

## SECTION 16 - ADDITIONAL INFORMATION

HMIS Fire Hazard: 1  
HMIS Health Hazard: 2\*  
HMIS Reactivity: 1  
HMIS Personal Protection: x  
MSDS Revision Date: 06/30/2012  
MSDS Author: Actio Corporation  
Disclaimer: This Health and Safety Information is correct to the best of our knowledge and belief at the date of its publication but we cannot accept liability for any loss, injury or damage which may result from its use. The information given in the Data Sheet is designed only as a guidance for safe handling, storage and the use of the substance. It is not a specification nor does it guarantee any specific properties. All chemicals should be handled only by competent personnel, within a controlled environment.

Copyright© 1996-2011 Actio Software Corporation. All Rights Reserved.

## SECTION 1 - PRODUCT AND COMPANY IDENTIFICATION

Product Name: **PUTTY HARDENER 0200**  
Manufacturer Name: ITW Devcon  
Address: 30 Endicott Street  
Danvers, MA 01923  
General Phone Number: (978) 777-1100  
Emergency Phone Number: (800) 424-9300  
CHEMTREC: For emergencies in the US, call CHEMTREC: 800-424-9300  
MSDS Revision Date: 7/30/2012

HMIS	
Health Hazard	3*
Fire Hazard	1
Reactivity	1
Personal Protection	x

\* Chronic Health Effects

## SECTION 2 - COMPOSITION/INFORMATION ON INGREDIENTS

Chemical Name	CAS#	Ingredient Percent
Inert material	N/A	5 - 10 by weight
Nonylphenol	25154-52-3	5 - 10 by weight
Aminoethylpiperazine	140-31-8	5 - 10 by weight
Dimer/TOFA, reaction products with TETA	68082-29-1	30 - 60 by weight
Triethylenetetramine	112-24-3	30 - 60 by weight

## SECTION 3 - HAZARDS IDENTIFICATION

Emergency Overview: DANGER! Corrosive. Potential Sensitizer Irritant.  
Route of Exposure: Eyes. Skin. Inhalation. Ingestion.  
Potential Health Effects:  
Eye: Corrosive. Will cause eye burns, permanent tissue damage, and blindness.  
Skin: Contact causes severe skin irritation and possible burns. may cause permanent skin damage. Allergic reactions are possible. May cause skin sensitization, an allergic reaction, which becomes evident on reexposure to this material.  
Inhalation: May cause severe respiratory system irritation. May cause respiratory sensitization with asthma-like symptoms in susceptible individuals.



Distributed By  
Freeman Manufacturing & Supply Co.  
www.freemansupply.com 800-321-8511

<b>Ingestion:</b>	Harmful if swallowed. Corrosive to the gastrointestinal tract.
<b>Chronic Health Effects:</b>	Prolonged skin contact causes burns. Repeated or prolonged inhalation may cause toxic effects.
<b>Signs/Symptoms:</b>	Depending on solution concentration, material may be corrosive to skin, mucous membranes and eyes. Vapors may cause respiratory irritation.
<b>Target Organs:</b>	Eyes. Skin. Respiratory system. Digestive system. Central nervous system.
<b>Aggravation of Pre-Existing Conditions:</b>	Individuals with pre-existing skin disorders, asthma, allergies or known sensitization may be more susceptible to the effects of this product.

#### SECTION 4 - FIRST AID MEASURES

<b>Eye Contact:</b>	Immediately flush eyes with plenty of water for at least 15 to 20 minutes. Ensure adequate flushing of the eyes by separating the eyelids with fingers. Get immediate medical attention.
<b>Skin Contact:</b>	Immediately wash skin with plenty of soap and water for 15 to 20 minutes, while removing contaminated clothing and shoes. Get medical attention if irritation develops or persists.
<b>Inhalation:</b>	If inhaled, remove to fresh air. If not breathing, give artificial respiration or give oxygen by trained personnel. Seek immediate medical attention.
<b>Ingestion:</b>	If swallowed, do NOT induce vomiting. Call a physician or poison control center immediately. Never give anything by mouth to an unconscious person.
<b>Other First Aid:</b>	Due to possible aspiration into the lungs, DO NOT induce vomiting if ingested. Provide a glass of water to dilute the material in the stomach. If vomiting occurs naturally, have the person lean forward to reduce the risk of aspiration.

#### SECTION 5 - FIRE FIGHTING MEASURES

<b>Flammable Properties:</b>	Class III B.
<b>Flash Point:</b>	>200°F (93.3°C)
<b>Flash Point Method:</b>	Tag Closed Cup (TCC)
<b>Auto Ignition Temperature:</b>	Not determined.
<b>Lower Flammable/Explosive Limit:</b>	Not determined.
<b>Upper Flammable/Explosive Limit:</b>	Not determined.
<b>Fire Fighting Instructions:</b>	Evacuate area of unprotected personnel. Use cold water spray to cool fire exposed containers to minimize risk of rupture. Do not enter confined fire space without full protective gear. If possible, contain fire run-off water.
<b>Extinguishing Media:</b>	Use carbon dioxide (CO <sub>2</sub> ) or dry chemical when fighting fires involving this material.
<b>Unsuitable Media:</b>	Water or foam may cause frothing.
<b>Protective Equipment:</b>	As in any fire, wear Self-Contained Breathing Apparatus (SCBA), MSHA/NIOSH (approved or equivalent) and full protective gear.

#### SECTION 6 - ACCIDENTAL RELEASE MEASURES

<b>Spill Cleanup Measures:</b>	Absorb spill with inert material (e.g., dry sand or earth), then place in a chemical waste container. Provide ventilation. Clean up spills immediately observing precautions in the protective equipment section. After removal, flush spill area with soap and water to remove trace residue. Corrosive. Avoid personal contact and breathing vapors or mists. Ventilate area. Use proper personal protective equipment as listed in section 8.
<b>Personnel Precautions:</b>	Evacuate area and keep unnecessary and unprotected personnel from entering the spill area.
<b>Environmental Precautions:</b>	Avoid runoff into storm sewers, ditches, and waterways.
<b>Other Precautions:</b>	Pump or shovel to storage/salvage vessels.

#### SECTION 7 - HANDLING and STORAGE

<b>Handling:</b>	Use with adequate ventilation. Avoid breathing vapor, aerosol or mist. Avoid contact with eyes and skin. Do not reuse containers without proper cleaning or reconditioning.
<b>Storage:</b>	Store in a cool, dry, well ventilated area away from sources of heat and incompatible materials. Keep container tightly closed when not in use. Do not store in reactive metal containers. Keep away from acids, oxidizers.
<b>Special Handling Procedures:</b>	Provide appropriate ventilation/respiratory protection against decomposition products (see Section 10) during welding/flame cutting operations and to protect against dust during sanding/grinding of cured product.
<b>Hygiene Practices:</b>	Wash thoroughly after handling.

#### SECTION 8 - EXPOSURE CONTROLS, PERSONAL PROTECTION - EXPOSURE GUIDELINES

<b>Engineering Controls:</b>	Use appropriate engineering control such as process enclosures, local exhaust ventilation, or other engineering controls to control airborne levels below recommended exposure limits. Good general ventilation should be sufficient to control airborne levels. Where such systems are
------------------------------	---



Distributed By  
Freeman Manufacturing & Supply Co.  
www.freemansupply.com 800-321-8511

not effective wear suitable personal protective equipment, which performs satisfactorily and meets OSHA or other recognized standards. Consult with local procedures for selection, training, inspection and maintenance of the personal protective equipment.

<b>Eye/Face Protection:</b>	Wear appropriate protective glasses or splash goggles as described by 29 CFR 1910.133, OSHA eye and face protection regulation, or the European standard EN 166.
<b>Skin Protection Description:</b>	Chemical-resistant gloves and chemical goggles, face-shield and synthetic apron or coveralls should be used to prevent contact with eyes, skin or clothing.
<b>Respiratory Protection:</b>	A NIOSH approved air-purifying respirator with an organic vapor cartridge or canister may be permissible under certain circumstances where airborne concentrations are expected to exceed exposure limits. Protection provided by air purifying respirators is limited. Use a positive pressure air supplied respirator if there is any potential for an uncontrolled release, exposure levels are not known, or any other circumstances where air purifying respirators may not provide adequate protection.
<b>Other Protective:</b>	Facilities storing or utilizing this material should be equipped with an eyewash and a deluge shower safety station.

#### EXPOSURE GUIDELINES

Notes : Only established PEL and TLV values for the ingredients are listed.

#### SECTION 9 - PHYSICAL and CHEMICAL PROPERTIES

<b>Physical State Appearance:</b>	Paste..
<b>Color:</b>	White.
<b>Odor:</b>	Mild ammonia like
<b>Boiling Point:</b>	>450°F (232.2°C)
<b>Melting Point:</b>	Not determined.
<b>Specific Gravity:</b>	0.98
<b>Solubility:</b>	slightly soluble.
<b>Vapor Density:</b>	>1 (air = 1)
<b>Vapor Pressure:</b>	<10 mmHg @70°F
<b>Percent Volatile:</b>	0
<b>Evaporation Rate:</b>	<<1 (butyl acetate = 1)
<b>pH:</b>	10-11 @ 5 Percent Solution
<b>Molecular Formula:</b>	Mixture
<b>Molecular Weight:</b>	Mixture
<b>Flash Point:</b>	>200°F (93.3°C)
<b>Flash Point Method:</b>	Tag Closed Cup (TCC)
<b>Auto Ignition Temperature:</b>	Not determined.
<b>VOC Content:</b>	0 g/L
<b>Percent Solids by Weight</b>	100

#### SECTION 10 - STABILITY and REACTIVITY

<b>Chemical Stability:</b>	Stable under normal temperatures and pressures.
<b>Hazardous Polymerization:</b>	Not reported.
<b>Conditions to Avoid:</b>	Extreme heat, sparks, and open flame. Incompatible materials, oxidizers and oxidizing conditions. Product may slowly corrode copper, aluminum, zinc and galvanized surfaces.
<b>Incompatible Materials:</b>	Oxidizers, acids, and chlorinated organic compounds. Reactive metals (e.g. sodium, calcium, zinc). Sodium/calcium hypochlorite. Nitrous acid/oxide, nitrites. Peroxides. Materials reactive with hydroxyl compounds.

#### SECTION 11 - TOXICOLOGICAL INFORMATION

##### Nonylphenol:

<b>RTECS Number:</b>	SM5600000
<b>Skin:</b>	Administration onto the skin - Rabbit : 2140 uL/kg [Details of toxic effects not reported other than lethal dose value] Administration onto the skin - Rabbit : 2140 mg/kg [Details of toxic effects not reported other than lethal dose value] Administration onto the skin - Rabbit : 500 mg
<b>Ingestion:</b>	Oral - Rat LD50: 580 mg/kg [Details of toxic effects not reported other than lethal dose value] Oral - Mouse LD50: 1231 mg/kg [Details of toxic effects not reported other than lethal dose value] Oral - Mouse LD50: 75.63 mL/kg [Details of toxic effects not reported other than lethal dose value]

##### Aminoethylpiperazine:

<b>RTECS Number:</b>	TK8050000
<b>Eye:</b>	Eye - Rabbit Standard Draize test.: 20 mg/24H [Moderate]
<b>Skin:</b>	Administration onto the skin - Rabbit LD50 : 880 uL/kg [Details of toxic effects not reported other than lethal dose value] Administration onto the skin - Rabbit Open irritation test: 100 ug/24H Administration onto the skin - Rabbit Standard Draize test.: 5 mg/24H [severe]
<b>Ingestion:</b>	Oral - Rat LD50 : 2140 uL/kg [Details of toxic effects not reported other than lethal dose value]

##### Triethylenetetramine:

<b>RTECS Number:</b>	YE6650000
<b>Eye:</b>	Eye - Rabbit Standard Draize test.: 49 mg



Distributed By  
Freeman Manufacturing & Supply Co.  
www.freemansupply.com 800-321-8511

Eye - Rabbit Standard Draize test.: 20 mg/24H  
Skin: Administration onto the skin - Rabbit LD50: 805 mg/kg [Details of toxic effects not reported other than lethal dose value]  
Administration onto the skin - Rabbit Open irritation test: 490 mg  
Administration onto the skin - Rabbit Standard Draize test.: 5 mg/24H  
Administration onto the skin - Guinea pig TDLo: 3667 mg/kg  
[Reproductive - Effects on Embryo or Fetus - Fetal death]  
Ingestion: Oral - Rat LD50: 2500 mg/kg [Details of toxic effects not reported other than lethal dose value]  
Oral - Mouse LD50: 38.5 mg/kg [Details of toxic effects not reported other than lethal dose value]

## SECTION 12 - ECOLOGICAL INFORMATION

Ecotoxicity: No ecotoxicity data was found for the product.  
Environmental Fate: No environmental information found for this product.

## SECTION 13 - DISPOSAL CONSIDERATIONS

Waste Disposal: Consult with the US EPA Guidelines listed in 40 CFR Part 261.3 for the classifications of hazardous waste prior to disposal. Furthermore, consult with your state and local waste requirements or guidelines, if applicable, to ensure compliance. Arrange disposal in accordance to the EPA and/or state and local guidelines.  
RCRA Number: D002

## SECTION 14 - TRANSPORT INFORMATION

DOT Shipping Name: Refer to Bill of Lading  
DOT UN Number: Refer to Bill of Lading

## SECTION 15 - REGULATORY INFORMATION

### Nonylphenol :

TSCA Inventory Status: Listed  
Massachusetts: Listed: Massachusetts Oil and Hazardous List  
Pennsylvania: Listed  
Canada DSL: Listed

### Aminoethylpiperazine :

TSCA Inventory Status: Listed  
Massachusetts: Listed: Massachusetts Oil and Hazardous List  
Pennsylvania: Listed  
Canada DSL: Listed

### Dimer/TOFA, reaction products with TETA :

TSCA Inventory Status: Listed  
Canada DSL: Listed

### Triethylenetetramine :

TSCA Inventory Status: Listed  
Massachusetts: Listed  
Pennsylvania: Listed  
Canada DSL: Listed  
Canadian Regulations: WHMIS Hazard Class(es): D2B; E; D2A

## SECTION 16 - ADDITIONAL INFORMATION

HMIS Fire Hazard: 1  
HMIS Health Hazard: 3\*  
HMIS Reactivity: 1  
HMIS Personal Protection: x  
MSDS Revision Date: 7/30/2012  
MSDS Revision Notes: "PhysChem change - Corrosive"  
MSDS Author: Actio Corporation

Disclaimer: This Health and Safety Information is correct to the best of our knowledge and belief at the date of its publication but we cannot accept liability for any loss, injury or damage which may result from its use. The information given in the Data Sheet is designed only as a guidance for safe handling, storage and the use of the substance. It is not a specification nor does it guarantee any specific properties. All chemicals should be handled only by competent personnel, within a controlled environment.

Copyright© 1996-2011 Actio Software Corporation. All Rights Reserved.



Distributed By  
Freeman Manufacturing & Supply Co.  
www.freemansupply.com 800-321-8511