

## **99 HARDENER**

### **MSDS Number**

BRBVZ

### **National Stock Number**

8040-00F028339

### **Product Name**

99 HARDENER

### **Manufacturer**

TECHNO ADHESIVES CO

### **Product Identification**

Product ID:99 HARDENER

MSDS Date:12/01/1986

FSC:8040

NIIN:00F028339

Kit Part:Y

MSDS Number: BRBVZ

### **Responsible Party**

TECHNO ADHESIVES CO

12113 MOSTELLER ROAD

CINCINNATI , OH 45241

US

Emergency Phone: 513-771-1584

Info Phone: 513-771-1584

Cage: GO228

### **Contractor**

TECHNO ADHESIVES CO

CINCINNATI, OH 45241

US

513-771-1584

Cage: GO228

### **Ingredients**

8.15

RTECS: 9999999WG

POLYETHYLENE POLYAMINE

POLYETHYLENE POLYAMINE ADDUCT

EPOXY

FATTY ACID

DIETHYLENETRIAMINE, ETHYLENEDIAMINE, N-(2-AMINOETHYL)

CAS: 111-40-0

RTECS: IE1225000

OSHA PEL1 PPM (SKIN)

ACGIH TLV: 1 PPM (SKIN)

TRIETHYLENETETRAMINE

CAS: 112-24-3

RTECS: YE6650000

Fraction By Weight:

TETRAETHYLENEPENTAMINE

CAS: 112-57-2

RTECS: KH8585000

## Hazards

Routes of Entry: Inhalation:YES Skin:YES Ingestion:YES

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

Health Hazards Acute and Chronic:INHALATION: RESPIRATORY IRRITATION.

SKIN: IRRITATION & SENSITIZATION. INGESTION: IRRITATION.

Explanation of Carcinogenicity:NONE

## First Aid

First Aid:EYES/SKIN: FLUSH W/PLENTY OF WATER ON CONTACT. OBTAIN MEDICAL ATTENTION IN ALL CASES.

## Fire Fighting

Flash Point:>200F

Lower Limits:1.4%

Extinguishing Media:WATER SPRAY,DRY CHEMICAL,FOAM OR CO2. TREAT AS CLASS E

Fire Fighting Procedures:WATER TO KEEP FIRE-EXPOSED CONTAINERS COOL. IF SPILLED,USE WATER SPRAY TO DISPERSE VAPORS. SUGGEST GOGGLES/BREATHING APPARATUS

## Accidental Release

Spill Release Procedures:ELIMINATE IGNITION SOURCES. DIKE SPILL TO MINIMIZE CONTAMINATION. COMPLETELY ABSORB W/INERT MATERIAL,SWEEP OR SCOOP UP & DISPOSE. FLUSH AREA IMMEDIATELY W/PLENTY OF WATER; REMOVE FROM WATER ENTRY.

## Handling

Handling and Storage Precautions:AVOID CONTACT W/SKIN.

Other Precautions:THIS PRODUCT CAN BE CLASSIFIED AS CLASS 5-EXTREMELY IRRITATING.

## Exposure Controls

Respiratory Protection:USE W/NEEDED VENTILATION. NIOSH APPROVED RESPIRATORS WHERE NEEDED.

Ventilation:LOCAL EXHAUST: RECOMMENDED WHEN NEEDED.

MECHANICAL(GENERAL):MAY NOT BE ADEQUATE AS SOLE MEANS

Protective Gloves:IMPERVIOUS

Eye Protection:CHEMICAL SPLASH GOGGLES

Other Protective Equipment:COVERALLS, APRON & RUBBER FOOT COVERING.

SAFETY SHOWER & EYEWASH

Supplemental Safety and Health

## Chemical Properties

Vapor Density:>1

Evaporation Rate & Reference:SLOWER THAN BU AC

Solubility in Water:SLIGHT  
Appearance and Odor:AMBER COLORED VISCOUS LIQUID W/AMINE ODOR

## Stability

Stability Indicator/Materials to Avoid:YES  
STRONG ACIDS, EPOXY RESINS  
Stability Condition to Avoid:EXCESSIVE HEAT, & OTHER IGNITION SOURCES.  
Hazardous Decomposition Products:CO, CO2, OXIDES OF NITROGEN

## Disposal

Waste Disposal Methods:INCINERATE IN FURNACE OR BURY IN LANDFILL IN  
ACCORDANCE W/FEDERAL, STATE & LOCAL REGULATIONS. U.S. EPA DOESN'T  
DEFINE PRODUCT AS HAZARDOUS WASTE BY RCRA.

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