

MATERIAL SAFETY DATA SHEET

Ace Extra Time Epoxy  
 50-08854-01

1. CHEMICAL PRODUCT AND COMPANY IDENTIFICATION

Product Name: Ace Extra Time Epoxy  
 Item No.: 50-08854-01  
 Part No.:  
 Product Type: Epoxy

2. COMPOSITION, INFORMATION ON INGREDIENTS

Ingredients	CAS No.	%
RESIN		
Epoxy resin	25068-38-6	60-100
HARDENER		
Polyamide resin	68410-23-1	60-100
N-(2-Aminoethyl)piperazine	140-31-8	10-30
Triethylenetetramine	112-24-3	5-10
Aminoethylethanolamine	111-41-1	1-5
Silica, amorphous, fumed, Crystalline-free	112945-52-5	1-5
DIETHYLENETRIAMINE	111-40-0	1-5
Hydroxyethylpiperazine	103-76-4	1-5

Ingredients which have exposure limits

Exposure Limits (TWA) Ingredients	ACGIH (TLV)	OSHA (PEL)	OTHER
RESIN			
None			
HARDENER			
Silica, amorphous, fumed, Crystalline-free	6mg/m <sup>3</sup> TWA	10mg/m <sup>3</sup> TWA	3mg/m <sup>3</sup> TWA Respirable Dust
DIETHYLENETRIAMINE	1 ppm TWA (skin)	None	None
Aminoethylethanolamine	none	none	1 ppm skin TWA, WEEL

3. HAZARDS IDENTIFICATION

Toxicity: Causes eye and skin burns.  
 May cause allergic skin and respiratory reaction.  
 May cause respiratory tract irritation.  
 May be harmful if absorbed through skin.

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MATERIAL SAFETY DATA SHEET

Product Name: Ace Extra Time Epoxy  
 Item No.: 50-08854-01

3. HAZARDS IDENTIFICATION (continued)

Primary Routes of Entry: Ingestion, skin, inhalation, eye contact  
 Signs and Symptoms of Exposure: Eye or skin irritation or injury. Allergic responses such as sensitization or dermatitis.  
 Existing Conditions Aggravated by Exposure: Skin disorders. Skin allergies. Respiratory disorders. Eye disorders. Asthma

Ingredients	Literature Referenced Target Organ and Other Health Effects	Carcinogen		
		NTP	IARC	OSHA
RESIN				
Epoxy resin	ALG IRR	NO	NO	NO
HARDENER				
Polyamide resin				
N-(2-Aminoethyl)piperazine	IRR COR ALG		NO	NO NO
Triethylenetetramine	ALG IRR MUT	NO	NO	NO
Aminoethylethanolamine	ALL IRR	NO	NO	NO
Silica	Nuisance dust	NO	NO	NO
DIETHYLENETRIAMINE	ALG EYE IRR	NO	NO	NO
Hydroxyethylpiperazine	ALL CNS IRR	NO	NO	NO

Abbreviations

ALG Allergen	BLO Blood
COR Corrosive	EYE Eyes
IRR Irritant	KID Kidney
NR No Records	SPL Spleen
MUT Mutagen	CNS Central Nervous System

4. FIRST AID MEASURES

Ingestion: Do not induce vomiting. Keep individual calm. Obtain medical attention.  
 Inhalation: RESIN: Not Applicable  
 HARDENER: Remove to fresh air. If symptoms persist, obtain medical attention.  
 Skin Contact: Wash immediately with soap and water. Do not use solvents for cleaning skin.  
 Eye Contact: Flush copiously with water for 15 minutes and get prompt Medical attention.

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## MATERIAL SAFETY DATA SHEET

Page 03 of 05

Ace Extra Time Epoxy  
50-08854-01

## 5. FIRE FIGHTING MEASURES

Flash Point: More than 224.6 °C (436°F) Method: Tag Closed Cup

## Recommended

Extinguishing Agents: Carbon dioxide, foam, dry chemical

## Special Firefighting

Procedures: Wear self-contained breathing apparatus and full protective clothing, such as turn-out gear.

## Hazardous Products formed

by Fire or Thermal Decomp: Before use, amine vapors may be evolved at high temperatures; oxides of carbon; unidentified organic compounds.

## Unusual Fire or

Explosion Hazards: None

## Explosive Limits:

(% by volume in air)Lower Not available

(% by volume in air)Upper Not available

## 6. ACCIDENTAL RELEASE MEASURES

## Steps to be taken in case

of spill or leak: Avoid skin contact. Scrape up as much as possible.  
Clean residues with solvent or soap and water.

## 7. HANDLING AND STORAGE

Handling: Keep away from heat, spark and flame. Do not breathe mist or vapors. Keep container closed. Avoid contact with eyes, skin and clothing. Wash thoroughly after handling.

Storage: Store at or below 100°F. Store in original container until ready to use. Keep in a cool, well-ventilated area away from heat, sparks and open flame. Keep container tightly closed until ready for use.

## 8. EXPOSURE CONTROLS, PERSONAL PROTECTION

Eyes: Safety glasses or goggles.

Skin: Rubber or plastic gloves.

Ventilation: Sufficient to maintain vapor concentration below TLV.

Respiratory Use a NIOSH approved air-purifying respirator if the potential to exceed established exposure limits exists.

See Section 2 for Exposure Limits.

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9. PHYSICAL AND CHEMICAL PROPERTIES

Appearance:	Hardener: Yellowish, viscous liquid	Resin: clear
Odor:	Mild	
Boiling Point:	More than 225°F	
pH:	Not Applicable	
Solubility in Water:	Slight	
Specific Gravity	Resin 1.17,	Hardener 0.98
Volatile Organic Compound	0.113% Resin and Hardener together	
Vapor Pressure:	Less than 5mm Hg at 20°C (68°F)	
Vapor Density:	Not available	
Evaporation Rate (Ether = 1)	Not Available	

10. STABILITY AND REACTIVITY

Stability:	Stable
Hazardous Polymerization:	Will not occur
Incompatibility:	Strong oxidizers, acids, Halogenated compounds.
Conditions to Avoid:	Excessive heat. Storage with incompatible materials.
Hazardous Decomposition Products (non-thermal):	None

11. TOXICOLOGICAL INFORMATION

See Section 3.

12. ECOLOGICAL INFORMATION

No data available

13. DISPOSAL CONSIDERATIONS

Recommended methods of disposal:	Incinerate following EPA and local regulations.
EPA Hazardous Waste Number	NH - Not a RCRA Hazardous Waste Material

14. TRANSPORTATION INFORMATION

All shipping descriptions result from components in hardener. Resin is not regulated.

DOT (49 CFR 172)

Domestic Ground Transport

Proper Shipping Name:	Consumer Commodity ORM-D (Not more than 1 liter); Corrosive liquids, basic, organic, n.o.s. (Contains triethylenetetramine/aminoethylpiperazine) Class 8, Packing Group II (More than four liters) UN 3267
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## MATERIAL SAFETY DATA SHEET

Page 05 of 05

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## IATA

Proper Shipping Name: Corrosive liquids, basic, organic, n.o.s.  
(Contains triethylenetetramine/aminoethylpiperazine)  
Class or Division: Class 8, Packing Group II  
UN or ID Number: UN 3267

## IMO/IMDG

Proper Shipping Name: Corrosive liquids, basic, organic, n.o.s.  
(Contains triethylenetetramine/aminoethylpiperazine)  
Class or Division: Class 8, Packing Group II  
UN or ID Number: UN 3267  
Marine Pollutant: None known

## 15. REGULATORY INFORMATION

CA Proposition 65: This product contains a chemical known to the state of California to cause cancer.

## 16. OTHER INFORMATION

TSCA 8(b) Inventory Status: All components are listed or are exempt from listing on the Toxic Substances Control Act Inventory.

TSCA 12 (b) Export Notification: None

CERCLA/SARA Section 302 EHS: None

CERCLA/SARA Section 311/312: Immediate health hazard

CERCLA/SARA Section 313: Resin: None. Hardener: This product contains the following toxic chemicals subject to the reporting requirements of section 313 of the Emergency Planning and Community Right-to-know Act of 1986 (40 CFR 372). Diethanolamine. (CAS#111-42-2)

## Estimated HMIS(R) Code:

Health Hazard: 3  
Flammability Hazard: 1  
Reactivity Hazards: 1  
Personal Protection: See Section 8.

HMIS is a registered trademark of the National Paint and Coatings Assn.

Prepared by:

Company: Henkel Consumer Adhesive  
Regulatory Affairs (440) 937-7000