

# MATERIAL SAFETY DATA SHEET

## S-48 Expansion Joint Part A Resin

### 1. CHEMICAL PRODUCT AND COMPANY IDENTIFICATION

**MANUFACTURER:** BLOME CEMENTS COMPANY  
285 INDACOM DRIVE  
  
ST. PETERS, MO 63376

**INFORMATION PHONE** 636-379-9119  
**EMERGENCY PHONE** 330-223-1511  
**24 HOUR SPILL AND EMERGENCY PHONE:** 800-424-9300chemtrec

**PRODUCT NAME:** S-48 Expansion Joint Part A Resin

**PRODUCT NUMBER:**

**UPC NUMBER:**

**PREPARED BY:** Safety Manager

**DATE PREPARED:** 1/25/00

**LAST REVISION:** 7/1/94

**SYNONYMS:** # 55 Resin

**UN NUMBER:** 1866

**N. AMER. EMER GUIDE #:** 26

**HAZARD CLASS:** 3

**PACKING GROUP:** III

**PROPER SHIPPING NAME:**

Resin Solution

### 2. COMPOSITION/INFORMATION ON INGREDIENTS

Chemical Name	CAS #	OSHA PEL	ACGIH TLV
Polymer of Epichlorohydrin & Bisphenol A	025085998	No Data Available	No Data Available
ALKYL GLYCIDYL ETHER	68609972	Not Availalbe	Not Available
SILICA, CRYSTALLINE - QUARTZ	14808607	PEL = SEE TABLE Z-3	TLV = 0.1mg/M3 respirable dust

### 3. HAZARDOUS IDENTIFICATION

**EMERGENCY OVERVIEW:** N/A

#### POTENTIAL HEALTH EFFECTS

**EYE CONTACT:** Can cause severe eye irritation

**INHALATION:** Irritating to the nose, throat, and respiratory tract.

**INGESTION:** No hazard in normal industrial use. Swallowing large amounts may cause damage.

**SKIN CONTACT:** Prolonged exposure may cause skin irritation.

#### SIGNS AND SYMPTOMS OF EXPOSURE:

Shortness of breathing, confused behavior, redness of skin, swelling of tissues, watery eyes, nausea.

#### 4. FIRST AID MEASURES

- EYE CONTACT:** Immediately flush with plenty of water. After initial flushing, remove any contact lenses and continue flushing for at least 15 minutes. Have eyes examined and tested by medical personnel.
- INHALATION:** Remove to fresh air. If not breathing, give artificial respiration. If breathing is difficult, give oxygen. Get medical attention immediately.
- INGESTION:** Seek medical attention if material is deliberately ingested.
- SKIN CONTACT:** Wash affected area with soap and water. If irritation persists, get medical attention.

#### AGGRAVATED MEDICAL CONDITIONS:

Dermatitis and sensitization can occur from repeated and prolonged contact.

#### SUPPLEMENTAL HEALTH INFORMATION:

This material may cause sensitization from repeated handling without the use of proper protective equipment. Sensitized individuals will have varied allergic reactions to this material or vapors from this material as a life-long, temporary allergic reaction once sensitized.

#### 5. FIRE FIGHTING MEASURES

##### FLAMMABLE PROPERTIES

**FLASH POINT:** +350F

**FLASH POINT METHOD USED:** N/A

**AUTOIGNITION:**

**LEL:**

**UEL:**

**EXTINGUISHING MEDIA:**

Dry chemical, foam, Co2.

#### SPECIAL FIRE FIGHTING PROCEDURES:

The use of a positive pressure, SCBA is recommended for firefighters.

#### UNUSUAL FIRE AND EXPLOSION HAZARDS:

N/A

#### COMBUSTION PRODUCTS:

Mixtures of carbon monoxide, carbon dioxide, and other hydrocarbons.

#### 6. ACCIDENTAL RELEASE MEASURES

##### STEPS TO BE TAKEN IN CASE MATERIAL IS SPILLED OR RELEASED:

Wipe up small spills. Contain and absorb large spills. Dispose of in accordance with Federal, State, and Local regulations, in solids landfill where applicable.

#### 7. HANDLING AND STORAGE

##### PRECAUTIONS TO BE TAKEN IN HANDLING AND STORAGE:

Keep container closed when not in use. Protect from freezing. Under ideal conditions this product has a one year shelf life.

##### OTHER PRECAUTIONS:

Empty containers retain product residue and can be dangerous. Do not pressurize, cut weld, braze, solder, drill, grind, or expose such containers to heat, flame, sparks static electricity, or other sources of ignition.

## 8. EXPOSURE CONTROL/PERSONAL PROTECTION

### RESPIRATORY PROTECTION:

Wear appropriate respirator complying with NIOSH and other appropriate regulations.

### VENTILATION:

Follow OSHA or other applicable exposure guidelines. Use respirator protection based upon anticipated or actual exposure monitoring results. Local exhaust may or may not be sufficient.

### PROTECTIVE GLOVES:

Impervious gloves and splash aprons recommended.

### EYE PROTECTION:

Use chemical safety goggles and/or full face shield where splashing is possible. Contact lenses should not be worn when working with this material. Maintain eye wash fountain and quick-drench facilities in work areas.

### OTHER PROTECTIVE CLOTHING OR EQUIPMENT:

Where splashing is possible, wear protective apron

### WORK / HYGENIC PRACTICES:

Use good personal hygiene when handling this product. Wash hands after use, before smoking, or using the toilet.

### ENGINEERING CONTROLS:

Facilities storing or utilizing this material should be equipped with an eyewash facility and a safety shower.

### EXPOSURE GUIDELINES:

Not Available

## 9. PHYSICAL AND CHEMICAL PROPERTIES

**SOLUABILITY IN WATER:** N/A

**APPEARANCE AND ODOR:** Gray, with faint epoxy odor.

**BOILING POINT:** +300F

**VAPOR PRESSURE:** 0.06 mm@ 70F

**EVAPORATION:** N/A

**POUNDS PER GALLON:**

**SPECIFIC GRAVITY:** 1.11-1.14

**MELTING POINT:** N/A

**FREEZING POINT:** N/A

**PERCENT VOLATILE:**

**PH:**

**MOLECULAR WEIGHT:**

**VAPOR DENSITY:** N/A

**OTHER PROPERTIES:**

## 10. STABILITY AND REACTIVITY

**STABLE:** Stable

### COMPATIBILITY:

Amines, Bases, oxidizing agents, and Strong acids.

**HAZARDOUS DECOMPOSITION OR BY PRODUCTS:**

Carbon dioxides, carbon monoxieds, and other hydrocarbons may be released.

**HAZARDOUS POLYMERIZATION:** Will Not Occur

**11. TOXICOLOGY INFORMATION**

Not Available

**12. ECOLOGICAL INFORMATION**

Not Available

**13. DISPOSAL CONSIDERATIONS**

Dispose of in accordance with all Federal, State, and Local regulations.

**14. TRANSPORTATION INFORMATION**

**DOT CLASSIFICATION:** Resin Solution

**N NUMBER:** 1866

**PACKING:** III

**PROPER SHIPPING NAME:** Resin Solution

**HAZARD CLASS:** 3

**GUIDE NUMBER:** 26

**15. REGULATORY INFORMATION**

**16. OTHER INFORMATON**

**HMIS INFORMATION:** HEALTH: 1 FLAMMABILITY: 1 REACTIVITY: 1 PROTECTIVE: C

**Disclaimer**

The information contained herein is based on the data available to us and is believed to be accurate. However, no warranty is expressed or implied regarding the accuracy of this data or the results to be obtained from the use thereof. We assume no responsibility for injuries from the use of the product described herein.

# MATERIAL SAFETY DATA SHEET

## S-48 Expansion Join Part B

### 1. CHEMICAL PRODUCT AND COMPANY IDENTIFICATION

**MANUFACTURER:** BLOME CEMENTS COMPANY  
285 INDACOM DRIVE  
  
ST. PETERS, MO 63376

**INFORMATION PHONE** 636-379-9119  
**EMERGENCY PHONE** 330-223-1511  
**24 HOUR SPILL AND EMERGENCY PHONE:** 800-424-9300chemtrec

**PRODUCT NAME:** S-48 Expansion Join Part B  
**PRODUCT NUMBER:**  
**UPC NUMBER:**  
**PREPARED BY:** Safety Manager  
**DATE PREPARED:** 1/25/00  
**LAST REVISION:** 7/1/95  
**SYNONYMS:** # 55 Hardener

**UN NUMBER:** UN 1760  
**N. AMER. EMER GUIDE #:** 60  
**HAZARD CLASS:** 8  
**PACKING GROUP:** II  
**PROPER SHIPPING NAME:**  
Corrosive Liquid, N.O.S. (Aliphatic Polyamine)

### 2. COMPOSITION/INFORMATION ON INGREDIENTS

Chemical Name	CAS #	OSHA PEL	ACGIH TLV
Modified Polyamines	Not Available	Not Available	Not Available

### 3. HAZARDOUS IDENTIFICATION

**EMERGENCY OVERVIEW:** Not Available.

#### POTENTIAL HEALTH EFFECTS

**EYE CONTACT:** Corrosive to the eyes and may cause severe damage including blindness.

**INHALATION:** Irritating to the nose, throat, and respiratory tract.

**INGESTION:** Corrosive and may cause severe and permanent damage to mouth, throat, and stomach.

**SKIN CONTACT:** Severely irritating; may cause permanent skin damage. Prolonged skin contact may also cause harmful amounts of material to be absorbed into the skin.

#### SIGNS AND SYMPTOMS OF EXPOSURE:

Shortness of breathing, confused behavior, redness of skin, swelling of tissues, watery eyes, nausea, headache.

#### 4. FIRST AID MEASURES

- EYE CONTACT:** Immediately flush with plenty of water. After initial flushing, remove any contact lenses and continue flushing for at least 15 minutes. Have eyes examined and tested by medical personnel.
- INHALATION:** Remove to fresh air. If not breathing, give artificial respiration. If breathing is difficult, give oxygen. Get medical attention immediately.
- INGESTION:** If swallowed, do NOT induce vomiting. Give victim large volumes of water to drink. Call a physician or poison control center immediately. Never give anything by mouth to an unconscious person.
- SKIN CONTACT:** Wash affected area with soap and water. If irritation persists, get medical attention.

#### AGGRAVATED MEDICAL CONDITIONS:

Persons with a history of chronic respiratory or skin conditions may be at increased risk of inflammation of their condition from exposure to this product.

#### SUPPLEMENTAL HEALTH INFORMATION:

Ammonia sensitized individuals may experience dermatitis, difficulty breathing, or other symptoms from short contact periods.

#### 5. FIRE FIGHTING MEASURES

##### FLAMMABLE PROPERTIES

**FLASH POINT:** 200 F

**FLASH POINT METHOD USED:** Not Available

**AUTOIGNITION:**

**LEL:**

**UEL:**

**EXTINGUISHING MEDIA:**

Dry chemical, foam, Co2.

#### SPECIAL FIRE FIGHTING PROCEDURES:

The use of SCBA is recommended for firefighters. Water spray may be used to cool containers exposed to heat or flame.

#### UNUSUAL FIRE AND EXPLOSION HAZARDS:

None reported

#### COMBUSTION PRODUCTS:

Toxic fumes will be emitted from combustion of this product. Wear SCBA.

#### 6. ACCIDENTAL RELEASE MEASURES

##### STEPS TO BE TAKEN IN CASE MATERIAL IS SPILLED OR RELEASED:

Small spills: Mop up, wipe up or soak up immediately. Remove to out of doors. Large spills: Evacuate area. Contain liquid; transfer to closed metal containers. Keep out of water supply.

#### 7. HANDLING AND STORAGE

##### PRECAUTIONS TO BE TAKEN IN HANDLING AND STORAGE:

Keep container closed when not in use. Protect from freezing. Under ideal conditions this product has a one year shelf life.

##### OTHER PRECAUTIONS:

Empty containers retain product residue and can be dangerous. Do not pressurize, cut weld, braze, solder, drill, grind, or expose such containers to heat, flame, sparks static electricity, or other sources of ignition.

## 8. EXPOSURE CONTROL/PERSONAL PROTECTION

### RESPIRATORY PROTECTION:

Wear appropriate respirator complying with NIOSH and other appropriate regulations.

### VENTILATION:

Follow OSHA or other applicable exposure guidelines. Use respirator protection based upon anticipated or actual exposure monitoring results. Local exhaust may or may not be sufficient.

### PROTECTIVE GLOVES:

Impervious gloves and splash aprons recommended.

### EYE PROTECTION:

Use chemical safety goggles and/or full face shield where splashing is possible. Contact lenses should not be worn when working with this material. Maintain eye wash fountain and quick-drench facilities in work areas.

### OTHER PROTECTIVE CLOTHING OR EQUIPMENT:

Where splashing is possible, wear protective apron

### WORK / HYGENIC PRACTICES:

Use good personal hygiene when handling this product. Wash hands after use, before smoking, or using the toilet.

### ENGINEERING CONTROLS:

Facilities storing or utilizing this material should be equipped with an eyewash facility and a safety shower.

### EXPOSURE GUIDELINES:

Not Available

## 9. PHYSICAL AND CHEMICAL PROPERTIES

**SOLUBILITY IN WATER:** Not Determined.

**APPEARANCE AND ODOR:** Low viscosity, light colored liquid.

**BOILING POINT:**

**VAPOR PRESSURE:**

**EVAPORATION:** Not Determined.

**POUNDS PER GALLON:**

**SPECIFIC GRAVITY:** 1.03

**MELTING POINT:**

**FREEZING POINT:**

**PERCENT VOLATILE:**

**PH:**

**MOLECULAR WEIGHT:**

**VAPOR DENSITY:** Not Determined.

**OTHER PROPERTIES:**

## 10. STABILITY AND REACTIVITY

**STABLE:** Stable

### INCOMPATIBILITY:

Avoid uncontrolled contact with strong oxidizing agents, mineral acids, and epoxy resins.

**HAZARDOUS DECOMPOSITION OR BY PRODUCTS:**

Carbon dioxides, carbon monoxides, and other hydrocarbons may be released.

**HAZARDOUS POLYMERIZATION:** Will Not Occur

**11. TOXICOLOGY INFORMATION**

Not Available

**12. ECOLOGICAL INFORMATION**

Keep out of waterways

**13. DISPOSAL CONSIDERATIONS**

Dispose of in accordance with all Federal, State, and Local regulations.

**14. TRANSPORTATION INFORMATION**

**DOT CLASSIFICATION:** Corrosive Liquid, N.O.S. (Aliphatic Polyamine)

**UN NUMBER:** UN 1760

**HAZARD CLASS:** 8

**PACKING:** II

**GUIDE NUMBER:** 60

**PROPER SHIPPING NAME:** Corrosive Liquid, N.O.S. (Aliphatic Polyamine)

**15. REGULATORY INFORMATION**

No information available.

**16. OTHER INFORMATION**

**HMS INFORMATION:** HEALTH: 2 FLAMMABILITY: 2 REACTIVITY: 1 PROTECTIVE: G

**Disclaimer**

The information contained herein is based on the data available to us and is believed to be accurate. However, no warranty is expressed or implied regarding the accuracy of this data or the results to be obtained from the use thereof. We assume no responsibility for injuries from the use of the product described herein.