

# MATERIAL SAFETY DATA SHEET

S-400, 500 , 5000 QS, LT, & EZ EPOXY PART A RESIN

## 1. CHEMICAL PRODUCT AND COMPANY IDENTIFICATION

**MANUFACTURER:** SUMMITVILLE LABORATORIES, INC.  
PO BOX 90 Not Regulated

81 ARBOR ROAD  
MINERVA, OH 44657

**INFORMATION PHONE:** 330-868-6463

**EMERGENCY PHONE:** 330-223-1511

**PRODUCT NAME:** S-400, 500 , 5000 QS, LT, & EZ EPOXY PART A RESIN

**PRODUCT NUMBER:** 52-00-9045A

**UPC NUMBER:**

**PREPARED BY:** Safety Manager

**DATE PREPARED:** 3/13/00

**LAST REVISION:** 2/15/94

**SYNONYMS:** DIGLYCIDYL ETHER OF BISPHENOL A

**PROPER SHIPPING NAME:**

**UN NUMBER:**

**HAZARD CLASS:**

**PACKING:**

**HMIS INFORMATION:**

**HEALTH:** 2

**FLAMMABILITY:** 1

**REACTIVITY:** 0

**PROTECTIVE:** C

## 2. COMPOSITION/INFORMATION ON INGREDIENTS

| Chemical Name                      | CAS #    | OSHA PEL | ACGIH TLV  |
|------------------------------------|----------|----------|--|
| bisphenol A Diglycidyl Ether Resin | 25068386 |          |  |
| STYRENE POLYMER                    | 9003536  | N/A      | N/A  |
| ALIPHATIC EPOXIDE                  | 68609961 |          |  |
| SILICA, AMORPHOUS, FUMED           | 7631869  | N/A      | TLV = 2mg/M3 FOR<br>RESPIRABLE FRACTION OF<br>DUST |

## 3. HAZARDOUS IDENTIFICATION

**EMERGENCY OVERVIEW:** N/A

### POTENTIAL HEALTH EFFECTS

**EYE CONTACT:** Can cause severe eye irritation. Prolonged exposure may cause permanent damage.

**INHALATION:** Inhalation by sensitized individual(s) may cause asthmatic symptoms to occur.

**INGESTION:** May cause severe and permanent damage to mouth, throat, stomach, and digestive tract.

**SKIN CONTACT:** Prolonged exposure may cause severe irritation including redness and burns.

### SIGNS AND SYMPTOMS OF EXPOSURE:

Irritation and/or difficulty breathing, irritation of eyes, skin, mouth and/or nasal passages, possible headache.

## 4. FIRST AID MEASURES

**EYE CONTACT:** Immediately flush eyes with plenty of water. Get medical attention, if irritation persists.

**INHALATION:** Remove to fresh air. If not breathing, give artificial respiration. If breathing is difficult, give oxygen. Get medical attention immediately.

**INGESTION:** If swallowed, drink large amounts of water and induce vomiting. Never give anything by mouth to an unconscious person. Seek medical attention immediately.

**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:**

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:** 300 F

**FLASH POINT METHOD USED:** Tag Closed Cup

**AUTOIGNITION:** NOT  
DETERMI

**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:**

None known.

**COMBUSTION PRODUCTS:**

Mixtures of carbon monoxide, carbon monoxide, and other hydrocarbons may be emitted after all water has been driven off, and only dry materials remain, exposed to flame.

**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. HANLDING AND STORAGE**

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

Keep away from food and drinking water. Keep container closed when not in use.

**OTHER PRECAUTIONS:**

N/A

**8. EXPOSURE CONTROL/PERSONAL PROTECTION**

**RESPIRATORY PROTECTION:**

Wear appropriate respirator complying with NIOSH and other appropriate regulations.

**VENTILATION:**

Controlling airborne concentration below the ACGIH TLV exposure guideline is recommended. Use only with adequate ventilation. Local

**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:**

N/A

**9. PHYSICAL AND CHEMICAL PROPERTIES**

**SOLUABILITY IN WATER:** Dispersible

**APPEARANCE AND ODOR:** Off white, milky liquid, slight odor.

|                           |         |                          |     |
|---------------------------|---------|--------------------------|-----|
| <b>BOILING POINT:</b>     | N/A     | <b>PERCENT VOLATILE:</b> |     |
| <b>VAPOR PRESSURE:</b>    | N/A     | <b>PH:</b>               |     |
| <b>EVAPORATION:</b>       | N/A     | <b>MOLECULAR WEIGHT:</b> |     |
| <b>POUNDS PER GALLON:</b> |         | <b>VAPOR DENSITY:</b>    | N/A |
| <b>SPECIFIC GRAVITY:</b>  | 1.0-1.2 | <b>OTHER PROPERTIES:</b> |     |
| <b>MELTING POINT:</b>     |         |                          |     |
| <b>FREEZING POINT:</b>    |         |                          |     |

**10. STABILITY AND REACTIVITY**

**STABLE:**

Stable

**INCOMPATIBILITY:**

Avoid uncontrolled contamination with Amines, Bases, Mercaptans, and Strong acids.

**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 container closed when not in use. This material may have a desirable odor and taste to animals and may cause severe injury and/or death to such animals when ingested in this concentrated form.

**13. DISPOSAL CONSIDERATIONS**

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

**14. TRANSPORTATION INFORMATION**

**DOT CLASS:** Not Regulated

**HAZARD CLASS:**

**UN NUMBER:**

**PACKING:**

**GUIDE NUMBER:**

**PROPER SHIPPING NAME:** Not Regulated

**15. REGULATORY INFORMATION**

No information available.

**16. OTHER INFORMATION**

**HMS INFORMATION: HEALTH: 2 FLAMMABILITY: 1 REACTIVITY: 0 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-400, 500, 5000 QS, & LT PART B CATALYST

### 1. CHEMICAL PRODUCT AND COMPANY IDENTIFICATION

**MANUFACTURER:** SUMMITVILLE LABORATORIES, INC.  
PO BOX 90  
81 ARBOR ROAD  
MINERVA, OH 44657

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

**INFORMATION PHONE:** 330-868-6463  
**EMERGENCY PHONE:** 330-223-1511  
**PRODUCT NAME:** S-400, 500, 5000 QS, & LT PART B CATALYST  
**PRODUCT NUMBER:** 52-00-9045B  
**UPC NUMBER:**

**UN NUMBER:**  
**UN NUMBER:** UN 1760  
**HAZARD CLASS:** 8  
**PACKING:** II

**HMIS INFORMATION:**  
**HEALTH:** 2

**PREPARED BY:** Safety Manager

**FLAMMABILITY:** 1

**DATE PREPARED:** 3/13/00

**REACTIVITY:** 0

**LAST REVISION:** 2/15/94

**PROTECTIVE:** G

**SYNONYMS:** REACTION PRODUCT OF TEPA AND TALL OIL

### 2. COMPOSITION/INFORMATION ON INGREDIENTS

| Chemical Name                | CAS #    | OSHA PEL            | ACGIH TLV                      |
|------------------------------|----------|---------------------|--------------------------------|
| ALIPHATIC AMINE ADDUCT       | 68400668 | N/E                 | N/E                            |
| 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. Prolonged exposure may cause permanent damage.

**INHALATION:** Irritating to the nose, throat, and respiratory tract. Choking, coughing, and headache may occur.

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

**SKIN CONTACT:** Prolonged exposure may cause severe irritation including redness and burns.

#### SIGNS AND SYMPTOMS OF EXPOSURE:

Irritation and/or difficulty breathing, irritation of eyes, skin, mouth and/or nasal passages, possible headache.

### 4. FIRST AID MEASURES

**EYE CONTACT:** Immediately flush eyes with plenty of water. Get medical attention, if irritation persists.

**INHALATION:** Remove to fresh air. If not breathing, give artificial respiration. If breathing is difficult, give oxygen. Get medical attention immediately.

**INGESTION:** If swallowed, drink large amounts of water and induce vomiting. Never give anything by mouth to an unconscious person. Seek medical attention immediately.

**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:** 400 F

**FLASH POINT METHOD USED:** Not Available

**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:**

None known.

**COMBUSTION PRODUCTS:**

none known

**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 away from food and drinking water. Keep container closed when not in use.

**OTHER PRECAUTIONS:**

N/A

**8. EXPOSURE CONTROL/PERSONAL PROTECTION**

**RESPIRATORY PROTECTION:**

Wear appropriate respirator complying with NIOSH and other appropriate regulations.

**VENTILATION:**

Controlling airborne concentration below the ACGIH TLV exposure guideline is recommended. Use only with adequate ventilation. Local exhaust ventilation may be necessary for some operations.

**PROTECTIVE GLOVES:**

Impervious gloves and splash aprons recommended.

**EYE PROTECTION:**

Safety glasses with side shields (or goggles) as appropriate.

**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:** SLIGHT

**APPEARANCE AND ODOR:** Heavy granular paste with ammonia odor. (Color Varies)

|                                     |  |
|-------------------------------------|--|
| <b>BOILING POINT:</b> N/A           | <b>PERCENT VOLATILE:</b>               |
| <b>VAPOR PRESSURE:</b> N/A          | <b>PH:</b>                             |
| <b>EVAPORATION:</b> Not Determined. | <b>MOLECULAR WEIGHT:</b>               |
| <b>POUNDS PER GALLON:</b>           | <b>VAPOR DENSITY:</b> Lighter Than Air |
| <b>SPECIFIC GRAVITY:</b> 1.7        | <b>OTHER PROPERTIES:</b>               |
| <b>MELTING POINT:</b>               |  |
| <b>FREEZING POINT:</b> 30 F         |  |

**10. STABILITY AND REACTIVITY**

**STABLE:**

Stable

**INCOMPATIBILITY:**

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

**HAZARDOUS DECOMPOSITION OR BY PRODUCTS:**

None reported.

**HAZARDOUS POLYMERIZATION:**

May Occur

## 11. TOXICOLOGY INFORMATION

Not Available

## 12. ECOLOGICAL INFORMATION

Keep container closed when not in use. This material may have a desirable odor and taste to animals and may cause severe injury and/or death to such animals when ingested in this concentrated form.

## 13. DISPOSAL CONSIDERATIONS

The preferred options for disposal are to send to licensed reclaimers, or to permitted incinerators. Any disposal practice must be in compliance with federal, state, and local regulations. Do not dump into sewers, ground, or any body of water. Use absorbent to remove small spill amounts.

## 14. TRANSPORTATION INFORMATION

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

**HAZARD CLASS:** 8

**UN NUMBER:** UN 1760

**PACKING:** II

**GUIDE NUMBER:** 60

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

## 15. REGULATORY INFORMATION

No information available.

## 16. OTHER INFORMATION

**HMIS INFORMATION:** HEALTH: 2 FLAMMABILITY: 1 REACTIVITY: 0 PROTECTIVE: G

### Disclaimer

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# MATERIAL SAFETY DATA SHEET

S-28, S-29, 500, 5000 PART C

## 1. CHEMICAL PRODUCT AND COMPANY IDENTIFICATION

**MANUFACTURER:** SUMMITVILLE LABORATORIES, INC.  
PO BOX 90  
81 ARBOR ROAD  
MINERVA, OH 44657

**INFORMATION PHONE:** 330-868-6463  
**EMERGENCY PHONE:** 330-223-1511  
**PRODUCT NAME:** S-28, S-29, 500, 5000 PART C  
**PRODUCT NUMBER:** 52-00-9070C  
**UPC NUMBER:**

**PREPARED BY:** Safety Manager

**DATE PREPARED:** 9/20/01

**LAST REVISION:** 4/5/00  
**SYNONYMS:** COLORED QUARTZ AGGREGATE

**PROPER SHIPPING NAME:**  
Not Regulated

**UN NUMBER:**  
**UN NUMBER:** Not Reg  
**HAZARD CLASS:** Not Reg  
**PACKING:** Not Reg

**HMIS INFORMATION:**  
**HEALTH:** 2

**FLAMMABILITY:** 1

**REACTIVITY:** 1

**PROTECTIVE:** C

## 2. COMPOSITION/INFORMATION ON INGREDIENTS

| Chemical Name  | CAS #    | % | OSHA PEL   | ACGIH TLV  |
|--|----------|---|--|--|
| SILICA, AMORPHOUS, FUMED                               | 7631869  |   | N/A  | TLV = 2mg/M3 FOR<br>RESPIRABLE<br>FRACTION OF DUST |
| SODIUM SILICATE  | 1344098  |   | NONE   | NONE   |
| KAOLIN   | 1332587  |   | PEL = (TOTAL<br>DUST) 15 MG/M3;<br>(RESPIRABLE<br>FRACTION) 5mg/M3 | TLV = 2mg/M3<br>RESPIRABLE<br>FRACTION OF DUST     |
| C.I. PIGMENT BLUE 28                                   | 1345160  |   | NONE   | NONE   |
| RUTILE TITANIUM DIOXIDE                                | 1317802  |   | 10MG./M3   | 10MG./M3   |
| IRON OXIDE   | 1309371  |   | PEL = (TOTAL<br>PARTICULATE)<br>10mg/M3                            | TLV = 5mg/M3 FUME                                  |
| IRON ZINC OXIDE (FE2ZNO4)                              | 12063193 |   | N/A  | N/A  |
| CHROMIUM (III) OXIDE                                   | 1308389  |   | PEL = 0.5mg/M3   | TLV = 0.5mg/M3 as<br>CHROMIUM                      |
| CARBON BLACK   | 1333864  |   | PEL = 3.5mg/M3   | TLV = 3.5mg/M3                                     |
| HYDROTREATED HEAVY NAPHTHENIC PETROLEUM<br>DISTILLATES | 64742525 |   | N/I  | N/I  |
| SILICA, CRYSTALLINE - QUARTZ                           | 14808607 |   | PEL = SEE TABLE<br>Z-3   | TLV = 0.1mg/M3<br>respirable dust                  |

## 3. HAZARDOUS IDENTIFICATION

**EMERGENCY OVERVIEW:** This material is not flammable or reactive; but should be stored in a dry area to preserve material.

### POTENTIAL HEALTH EFFECTS

**EYE CONTACT:** No hazard in normal industrial use.

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

**INGESTION:** No hazard in normal industrial use.

**SKIN CONTACT:** No hazard in normal industrial use.

**SIGNS AND SYMPTOMS OF EXPOSURE:**

N/A

**4. FIRST AID MEASURES**

**EYE CONTACT:** N/A

**INHALATION:** No specific treatment is necessary since this material is not likely to be hazardous by inhalation. If exposed to excessive levels of dusts or fumes, remove to fresh air and get medical attention if cough or other symptoms develop.

**INGESTION:** N/A

**SKIN CONTACT:** Wash with soap and water. Get medical attention if irritation develops or persists.

**AGGRAVATED MEDICAL CONDITIONS:**

Frequent and prolonged contact with eyes and skin can cause irritation. Prolonged exposure above guidelines may cause silicosis.

**SUPPLEMENTAL HEALTH INFORMATION:**

N/A

**5. FIRE FIGHTING MEASURES**

**FLAMMABLE PROPERTIES**

**FLASH POINT:**

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

**AUTO IGNITION:**

**LEL:**

**UEL:**

**EXTINGUISHING MEDIA:**

Generally non-flammable. Use appropriate media for surrounding materials.

**SPECIAL FIRE FIGHTING PROCEDURES:**

N/A. Will not burn.

**UNUSUAL FIRE AND EXPLOSION HAZARDS:**

None known.

**COMBUSTION PRODUCTS:**

none known

**6. ACCIDENTAL RELEASE MEASURES**

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

Keep dust to a minimum. Material may be swept by personnel wearing appropriate protective equipment.

**7. HANDLING AND STORAGE**

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

Keep container closed when not in use.

**OTHER PRECAUTIONS:**

N/A

**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:**

Wear gloves as appropriate for sensitive skin.

**EYE PROTECTION:**

Safety glasses with side shields (or goggles) as appropriate.

**OTHER PROTECTIVE CLOTHING OR EQUIPMENT:**

N/A

**WORK / HYGIENIC PRACTICES:**

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

**ENGINEERING CONTROLS:**

Good ventilation should be sufficient to control airborne levels.

**EXPOSURE GUIDELINES:**

N/A

**9. PHYSICAL AND CHEMICAL PROPERTIES**

**SOLUBILITY IN WATER:** N/A

**APPEARANCE AND ODOR:** Granules

|                              |                           |
|------------------------------|---------------------------|
| <b>BOILING POINT:</b> N/A    | <b>PERCENT VOLATILE:</b>  |
| <b>VAPOR PRESSURE:</b>       | <b>PH:</b>                |
| <b>EVAPORATION:</b> N/A      | <b>MOLECULAR WEIGHT:</b>  |
| <b>POUNDS PER GALLON:</b>    | <b>VAPOR DENSITY:</b> N/A |
| <b>SPECIFIC GRAVITY:</b> 2.6 | <b>OTHER PROPERTIES:</b>  |
| <b>MELTING POINT:</b>        |                           |
| <b>FREEZING POINT:</b>       |                           |

**10. STABILITY AND REACTIVITY**

**STABLE:**

Stable

**INCOMPATIBILITY:**

None Known.

**HAZARDOUS DECOMPOSITION OR BY PRODUCTS:**

None

**HAZARDOUS POLYMERIZATION:**

Will Not Occur

**11. TOXICOLOGY INFORMATION**

N/A

**12. ECOLOGICAL INFORMATION**

N/A

**13. DISPOSAL CONSIDERATIONS**

May be disposed of in a sanitary landfill. Always follow appropriate Federal, District, State, Regional, and Local disposal regulations.

**14. TRANSPORTATION INFORMATION**

**DOT CLASS:** Not Regulated

**HAZARD CLASS:** Not Reg

**UN NUMBER:** Not Reg

**PACKING:** Not Reg

**GUIDE NUMBER:** N/R

**PROPER SHIPPING NAME:** Not Regulated

**15. REGULATORY INFORMATION**

No information available.

**16. OTHER INFORMATION**

**HMIS INFORMATION:** HEALTH: 2 FLAMMABILITY: 1 REACTIVITY: 1 PROTECTIVE: C

**Disclaimer**

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**Active MSDS statement**

This MSDS was reviewed on 2/01/2012 & reapproved and is the current MSDS.