

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 RESPIRABLE FRACTION OF 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.

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

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

HMIS 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)

BOILING POINT: N/A	PERCENT VOLATILE:
VAPOR PRESSURE: N/A	PH:
EVAPORATION: Not Determined.	MOLECULAR WEIGHT:
POUNDS PER GALLON:	VAPOR DENSITY: Lighter Than Air
SPECIFIC GRAVITY: 1.7	OTHER PROPERTIES:
MELTING POINT:	
FREEZING POINT: 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 RESPIRABLE FRACTION OF DUST
SODIUM SILICATE	1344098		NONE	NONE
KAOLIN	1332587		PEL = (TOTAL DUST) 15 MG/M3; (RESPIRABLE FRACTION) 5mg/M3	TLV = 2mg/M3 RESPIRABLE FRACTION OF DUST
C.I. PIGMENT BLUE 28	1345160		NONE	NONE
RUTILE TITANIUM DIOXIDE	1317802		10MG./M3	10MG./M3
IRON OXIDE	1309371		PEL = (TOTAL PARTICULATE) 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 CHROMIUM
CARBON BLACK	1333864		PEL = 3.5mg/M3	TLV = 3.5mg/M3
HYDROTREATED HEAVY NAPHTHENIC PETROLEUM DISTILLATES	64742525		N/I	N/I
SILICA, CRYSTALLINE - QUARTZ	14808607		PEL = SEE TABLE Z-3	TLV = 0.1mg/M3 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

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

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.