

# Safety Data Sheet

Issue Date: 07-Nov-2023

Revision Date: 08-Nov-2023

Version 1

## 1. IDENTIFICATION

### Product identifier

Product Name SCI-100 MVB-A

### Other means of identification

SDS # SCIC-010

UN/ID No UN3082

### Recommended use of the chemical and restrictions on use

Recommended Use Moisture vapor barrier epoxy coating.

### Details of the supplier of the safety data sheet

#### Supplier Address

THIS SAFETY DATA SHEET  
IS NOT COMPLIANT UNLESS  
U.S. ADDRESS IS USED

### Emergency telephone number

Emergency Telephone INSERT PHONE NUMBER(S)

## 2. HAZARDS IDENTIFICATION

Appearance Clear liquid

Physical state Liquid

### Classification

Acute toxicity - Inhalation (Dusts/Mists)	Category 4
Skin corrosion/irritation	Category 2
Serious eye damage/eye irritation	Category 2
Skin sensitization	Category 1

### Signal Word

Warning

### Hazard statements

Harmful if inhaled.  
Causes skin irritation.  
Causes serious eye irritation.  
May cause an allergic skin reaction

**Precautionary Statements - Prevention**

Avoid breathing dust/fume/gas/mist/vapors/spray.  
Use only outdoors or in a well-ventilated area.  
Wash face, hands, and any exposed skin thoroughly after handling.  
Wear protective gloves/protective clothing/eye protection/face protection.  
Contaminated work clothing must not be allowed out of the workplace

**Precautionary Statements - Response**

IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.

If eye irritation persists: Get medical advice/attention

IF ON SKIN: Wash with plenty of water and soap

Take off contaminated clothing and wash before reuse.

If skin irritation or rash occurs: Get medical advice/attention

IF INHALED: Remove victim to fresh air and keep at rest in a position comfortable for breathing.

Call a poison center or doctor/physician if you feel unwell

**Precautionary Statements - Disposal**

Dispose of contents/container to an approved waste disposal plant

**Other hazards**

Toxic to aquatic life with long lasting effects

**3. COMPOSITION/INFORMATION ON INGREDIENTS**

Chemical name	CAS No	Weight-%
Polymer of epichlorohydrin and bisphenol A	25085-99-8	60-70
Neopentyl Glycol diglycidyl ether	17557-23-2	5-10
Benzyl alcohol	100-51-6	1-10
Alkyl (C12-14) glycidyl ether	68609-97-2	1-10

\*\*If Chemical Name/CAS No is "proprietary" and/or Weight-% is listed as a range, the specific chemical identity and/or percentage of composition has been withheld as a trade secret. \*\*

**4. FIRST AID MEASURES****Description of first aid measures**

<b>Eye Contact</b>	Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. If eye irritation persists: Get medical advice/attention.
<b>Skin Contact</b>	Wash with plenty of soap and water. Take off contaminated clothing and wash it before reuse. If skin irritation or rash occurs: Get medical advice/attention.
<b>Inhalation</b>	Remove victim to fresh air and keep at rest in a position comfortable for breathing. Call a poison center or doctor/physician if you feel unwell.
<b>Ingestion</b>	Clean mouth with water and drink afterwards plenty of water.

**Most important symptoms and effects, both acute and delayed.**

<b>Symptoms</b>	May be harmful if swallowed. May be harmful in contact with skin. Harmful if inhaled. Causes skin irritation. Causes serious eye irritation. May cause an allergic skin reaction.
-----------------	--

**Indication of any immediate medical attention and special treatment needed.**

**Notes to Physician**

Treat symptomatically.

**5. FIRE-FIGHTING MEASURES****Suitable Extinguishing Media**In case of fire: water fog, foam, dry chemical powder, carbon dioxide (CO<sub>2</sub>).**Unsuitable Extinguishing Media**

Water jet.

**Specific Hazards Arising from the Chemical**

During fire, smoke may contain the original material in addition to combustion products of varying composition which may be toxic and/or irritating.

**Protective equipment and precautions for firefighters**

As in any fire, wear self-contained breathing apparatus pressure-demand, MSHA/NIOSH (approved or equivalent) and full protective gear.

**6. ACCIDENTAL RELEASE MEASURES****Personal precautions, protective equipment, and emergency procedures****Personal Precautions**

Clear area. Ensure adequate ventilation. Wear suitable personal protective clothing and equipment.

**Environmental precautions****Environmental precautions**

See Section 12 for additional Ecological Information.

**Methods and material for containment and cleaning up****Methods for Containment**

Prevent further leakage or spillage if safe to do so.

**Methods for Clean-Up**

For containment, ensure adequate ventilation and absorb any spill with inert liquid binding material and dispose of waste safely.

**7. HANDLING AND STORAGE****Precautions for safe handling****Advice on Safe Handling**

Avoid breathing dust/fume/gas/mist/vapors/spray. Use only outdoors or in a well-ventilated area. Wash face, hands and any exposed skin thoroughly after handling. Wear protective gloves/protective clothing and eye/face protection. Contaminated work clothing must not be allowed out of the workplace.

**Conditions for safe storage, including any incompatibilities.****Storage Conditions**

Store in a cool dry and well-ventilated place. Keep stored in accordance with local, regional, national, and international regulations. Store away from incompatible materials.

**Incompatible Materials**

Strong oxidizers, strong alkalis, strong mineral acids, amines.

**8. EXPOSURE CONTROLS/PERSONAL PROTECTION****Exposure Guidelines**

This product, as supplied, does not contain any hazardous materials with occupational exposure limits established by the region-specific regulatory bodies.

**Appropriate engineering controls****Engineering Controls**

Local exhaust ventilation required. Make up air should be supplied to balance air that is removed by local or general exhaust ventilation. Provide sufficient ventilation to keep vapors below permissible exposure limit. Emergency eye wash fountains and safety showers should be available in the immediate vicinity of any potential exposure. Ensure all national/local regulations are observed.

**Individual protection measures, such as personal protective equipment****Eye/Face Protection**

Use tightly sealed goggles or safety glasses with side shields which are resistant to Chemicals. Refer to 29 CFR 1910.133 for eye and face protection regulations.

**Skin and Body Protection**

Wear chemical resistant protection gloves. Wear impervious clothing as necessary to protect against coming in contact with product. Refer to 29 CFR 1910.138 for appropriate skin and body protection.

**Respiratory Protection**

If insufficient ventilation, wear respiratory protection. Refer to 29 CFR 1910.134 for respiratory protection requirements.

**General Hygiene Considerations**

Do not eat, drink or smoke during work. Avoid all contact with skin or eye. If clothing comes into contact with material, do not allow it out of the workplace. Clean hands and any exposed skin thoroughly after work and before breaks.

**9. PHYSICAL AND CHEMICAL PROPERTIES****Information on basic physical and chemical properties**

<b>Physical state</b>	Liquid		
<b>Appearance</b>	Clear liquid	<b>Odor</b>	Not determined
<b>Color</b>	Colorless	<b>Odor Threshold</b>	Not determined

---

<u>Property</u>	<u>Values</u>	<u>Remarks • Method</u>
pH	No data available	
Melting point / freezing point	No data available	
Initial boiling point and boiling range	No data available	
Flash point	>93 °C / >199.4 °F	
Evaporation Rate	Not determined	
Flammability (Solid, Gas)	Not determined	
Flammability Limit in Air		
Upper flammability or explosive limits	No data available	
Lower flammability or explosive limits	No data available	
Vapor Pressure	Not determined	
Vapor Density	No data available	
Relative Density	1.14	

---

---

<b>Water Solubility</b>	Partially soluble
<b>Solubility in other solvents</b>	Not determined
<b>Partition Coefficient</b>	Not determined
<b>Autoignition temperature</b>	No data available
<b>Hyphen</b>	Not determined
<b>Kinematic viscosity</b>	Not determined
<b>Dynamic Viscosity</b>	Not determined
<b>Explosive Properties</b>	Not determined
<b>Oxidizing Properties</b>	Not determined

## 10. STABILITY AND REACTIVITY

### Reactivity

Not reactive under normal conditions.

### Chemical stability

Stable under recommended storage conditions.

### Possibility of hazardous reactions

This product will polymerize if mixed with an amine. Considerable heat can evolve.

### Conditions to Avoid

Avoid temperatures exceeding the flash point. Avoid unintended contact with amines.

### Incompatible materials

Strong oxidizers, strong alkalis, strong mineral acids, amines.

### Hazardous decomposition products

None known based on information supplied.

---

## 11. TOXICOLOGICAL INFORMATION

### Information on likely routes of exposure

#### Product Information

<b>Eye Contact</b>	Avoid contact with eyes.
<b>Skin Contact</b>	May be harmful in contact with skin.
<b>Inhalation</b>	Harmful if inhaled.
<b>Ingestion</b>	May be harmful if swallowed.

### Component Information

Chemical name	Oral LD50	Dermal LD50	Inhalation LC50
Polymer of epichlorohydrin and bisphenol A 25085-99-8	>2000 mg/kg (rat)	>2000 mg/kg (rabbit)	-
Alkyl (C12-14) glycidyl ether 68609-97-2	= 17100 mg/kg (Rat)	> 3987 mg/kg (Rabbit)	-
Benzyl alcohol 100-51-6	= 1230 mg/kg (Rat)	= 2 g/kg (Rabbit)	> 4178 mg/m <sup>3</sup> (Rat) 4 h

### Symptoms related to the physical, chemical and toxicological characteristics

<b>Symptoms</b>	Please see section 4 of this SDS for symptoms.
-----------------	--

### Delayed and immediate effects as well as chronic effects from short and long-term exposure

<b>Skin corrosion/irritation</b>	Causes skin irritation.
<b>Serious eye damage/eye irritation</b>	Causes serious eye irritation.
<b>Sensitization</b>	May cause an allergic skin reaction.
<b>Carcinogenicity</b>	Based on the information provided, this product does not contain any carcinogens or potential carcinogens as listed by OSHA, IARC or NTP.

### Numerical measures of toxicity

The following values are calculated based on chapter 3.1 of the GHS document

<b>Oral LD50</b>	2,294.90 mg/kg
<b>Dermal LD50</b>	2,663.80 mg/kg
<b>Gas</b>	2,501.00 ppm
<b>ATE mix (inhalation-dust/mist)</b>	4.178 mg/l

## 12. ECOLOGICAL INFORMATION



**Ecotoxicity**

Toxic to aquatic life with long lasting effects.

**Component Information**

Chemical name	Algae/aquatic plants	Fish	Crustacea
Benzyl alcohol 100-51-6		LC50: =460mg/L (96h, Pimephales promelas) LC50: =10mg/L (96h, Lepomis macrochirus)	EC50: =23mg/L (48h, water flea)

**Persistence/Degradability**

Not determined.

**Bioaccumulation**

There is no data for this product.

**Mobility**

Chemical name	Partition coefficient
Benzyl alcohol 100-51-6	1.05
Alkyl (C12-14) glycidyl ether 68609-97-2	3.77

**Other adverse effects**

Not determined

**13. DISPOSAL CONSIDERATIONS****Waste Treatment Methods****Disposal of Wastes**

Disposal should be in accordance with applicable regional, national and local laws and regulations.

**Contaminated Packaging**

Disposal should be in accordance with applicable regional, national and local laws and regulations.

**14. TRANSPORT INFORMATION****Note**

Please see current shipping paper for most up to date shipping information, including exemptions and special circumstances.

**DOT**

UN/ID No

UN3082

Proper Shipping Name

Environmentally hazardous substance, liquid, n.o.s. (bisphenol-A- (epichlorohydrin) epoxy resin)

Transport hazard class(es)

9

Packing Group

III

**IATA**

**UN number or ID number** UN3082  
**Proper Shipping Name** Environmentally hazardous substance, liquid, n.o.s. (bisphenol-A- (epichlorohydrin) epoxy resin)  
**Transport hazard class(es)** 9  
**Packing group** III

**IMDG**

**UN number or ID number** UN3082  
**Proper Shipping Name** Environmentally hazardous substance, liquid, n.o.s. (bisphenol-A- (epichlorohydrin) epoxy resin)  
**Transport hazard class(es)** 9  
**Packing Group** III

<b>15. REGULATORY INFORMATION</b>
-----------------------------------

**International Inventories**

Chemical name	TS CA	TSCA Inventory Status	DSL/NDL L	EINECS/ ELINCS	ENCS	IECSC	KECL	PICCS	AICS
Polymer of epichlorohydrin and bisphenol A	X	ACTIVE	X			X	X	X	X
Poly[(phenyl glycidyl ether)-co-formaldehyde]	X	ACTIVE	X		X	X	X	X	X
Alkyl (C12-14) glycidyl ether	X	ACTIVE	X	X	X	X	X	X	X
Benzyl alcohol	X	ACTIVE	X	X	X	X	X	X	X
Neopentyl Glycol diglycidyl ether	X	ACTIVE	X	X	X	X	X	X	X

**Legend:***TSCA - United States Toxic Substances Control Act Section 8(b) Inventory**DSL/NDL - Canadian Domestic Substances List/Non-Domestic Substances List**EINECS/ELINCS - European Inventory of Existing Chemical Substances/European List of Notified Chemical Substances**ENCS - Japan Existing and New Chemical Substances**IECSC - China Inventory of Existing Chemical Substances**KECL - Korean Existing and Evaluated Chemical Substances**PICCS - Philippines Inventory of Chemicals and Chemical Substances**AICS - Australian Inventory of Chemical Substances***US Federal Regulations****CERCLA**

This material, as supplied, does not contain any substances regulated as hazardous substances under the Comprehensive Environmental Response Compensation and Liability Act (CERCLA) (40 CFR 302) or the Superfund Amendments and Reauthorization Act (SARA) (40 CFR 355).

**SARA 313**

Section 313 of Title III of the Superfund Amendments and Reauthorization Act of 1986 (SARA). This product does not contain any chemicals which are subject to the reporting requirements of the Act and Title 40 of the Code of Federal Regulations, Part 372

**CWA (Clean Water Act)**

This product does not contain any substances regulated as pollutants pursuant to the Clean Water Act (40 CFR 122.21 and 40 CFR 122.42)

**US State Regulations****California Proposition 65**

This product does not contain any Proposition 65 chemicals.

**U.S. State Right-to-Know Regulations**

Chemical name	New Jersey	Massachusetts	Pennsylvania
Benzyl alcohol 100-51-6		X	X

**16. OTHER INFORMATION****NFPA****Health hazards**

-

**Flammability**

-

**Instability**

-

**Special hazards**

-

**HMIS****Health hazards**

-

**Flammability**

-

**Physical hazards**

-

**Personal Protection**

Not determined

Issue Date: 07-Nov-2023

Revision Date: 08-Nov-2023

Revision Note: New format

**Disclaimer**

The information provided in this Safety Data Sheet is correct to the best of our knowledge, information and belief at the date of its publication. The information given is designed only as a guidance for safe handling, use, processing, storage, transportation, disposal and release and is not to be considered a warranty or quality specification. The information relates only to the specific material designated and may not be valid for such material used in combination with any other materials or in any process, unless specified in the text.

**End of Safety Data Sheet**