



SCI

Safety data sheet

April 09, 2024
Revision #1



SCI-100 AC-B

SECTION 1. IDENTIFICATION

| | |
|--------------------------------------|---|
| Product identifier | SCI-100-AC-B |
| Other Means of Identification | N. A |
| Recommended Use | Anti-Crystallization Epoxy Coating |
| Restrictions on Use | Unknown |
| Supplier Identifier | SCI COATINGS INC. 2821 Boulevard Le Corbusier Laval, Québec Canada H7L 4J5 www.scicoatings.com |
| Emergency Phone No. | 24-Hour Emergency Telephone Number Canada (CANUTEC): (613) 996-6666 |

SECTION 2. HAZARD IDENTIFICATION

Classification

Acute Toxicity, Oral (Category 4)
Acute Toxicity, Dermal (Category 5)
Skin Sensitization (Category 1A)
Skin Corrosion/Irritation (Category 1B)
Serious eye damage/irritation (Category 1)
Reproductive toxicity (Category 2)
Hazardous to the aquatic environment - acute (Category 1)
Hazardous to the aquatic environment - chronic (Category 1)

Label Elements

Signal Word

Danger

Hazard Statements

H302 Harmful if swallowed
H312 Harmful in contact with skin
H317 May cause an allergic skin reaction
H314 Causes severe skin burns and eye damage
H334 May cause allergy or asthma symptoms or breathing difficulties if inhaled
H335 May cause respiratory irritation
H360 May cause harm to breast-fed children
H361 May damage the unborn child. Suspected of damaging fertility
H400 Very toxic to aquatic life
H410 Very toxic to aquatic life with long lasting effects

Precautionary statements

Prevention:

P201 Obtain special instructions before use. P202 Do not handle until all safety precautions have been read and understood. P260 Do not breathe dust or mist. P263 Avoid contact during pregnancy/ while nursing. P264 Wash with plenty of water and soap thoroughly after handling. P270 Do not eat, drink or smoke when using this product. P271 Use only outdoors or in a well-ventilated area. P272 Contaminated work clothing should not be allowed out of the workplace. P273 Avoid release to the environment. P280 Wear protective gloves/protective clothing/eye protection/face protection. P284 Wear respiratory protection. P305 + P351 + P338 IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do so. Continue rinsing. P310 Immediately call a POISON CENTER or doctor/physician. P303 + P361 + P353 IF ON SKIN (or hair): Take off immediately all contaminated clothing. Rinse skin with water/shower. P304 + P341 + P311 IF INHALED: If breathing is difficult, remove to fresh air and keep at rest in a position comfortable for breathing. Call a POISON CENTER or doctor/physician. P301 + P330 + P331 IF SWALLOWED: Rinse mouth. Do NOT induce vomiting. P362 + P364 Take off contaminated clothing and wash before reuse. P370 + P378 In case of fire: Use water spray, dry powder, or foam for extinction. P233 Keep container tightly closed. P405 Store locked up. P501 Dispose of contents/container into safe container in accordance with local, regional or national regulations.





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Other Hazards:

Unknown

GHS Special Labeling:

EUH205 - "Contains epoxy constituents. May produce a skin allergy."

SECTION 3. COMPOSITION

| Chemical Name | CAS No. | % concentration |
|-------------------------|-------------|-----------------|
| Isophorone diamine | 2855-13-2 | 20 - 25 % |
| Benzyl alcohol | 100-51-6 | 5 - 10 % |
| 4-nonylphenol, branched | 84852-15-3 | 25 - 30 % |
| Proprietary component 1 | Proprietary | 15 - 25% |

SECTION 4. FIRST-AID MEASURES**First-aid Measures****Inhalation:**

IF INHALED: Remove person to fresh air and keep comfortable for breathing.

Skin Contact:

Flush with soap and water for a minimum of 15 minutes. Consult a physician if irritation persists or you feel unwell.

Eye Contact:

Rinse immediately with plenty of water for at least 15 minutes. Consult a physician.

Ingestion:

Rinse mouth and then drink plenty of water. Do not induce vomiting. Never induce vomiting or give anything by mouth if the victim is unconscious or having convulsions. Immediate medical attention required.

Most Important Symptoms and Effects, Acute and Delayed

Burning pain and severe corrosive skin damage. Can burn mouth, throat, and stomach. Can cause severe irritation and burns to the respiratory tract. May cause an allergic respiratory reaction. Causes serious eye damage. Symptoms may include stinging, tearing, redness, swelling, and blurred vision. Permanent eye damage including blindness could result.

Immediate Medical Attention and Special Treatment:

Provide general supportive measures and treat symptomatically. Chemical burns: Flush with water immediately. While flushing, remove clothes which do not adhere to affected area. Call an ambulance. Continue flushing during transport to hospital. Keep victim warm. Keep victim under observation. Symptoms may be delayed.

SECTION 5. FIRE-FIGHTING MEASURES**Extinguishing Media****Suitable Extinguishing Media**

In case of fire: water fog, foam, dry chemical powder, carbon dioxide (CO₂)

Unsuitable Extinguishing Media

Water jet

Specific Hazards Arising from the Product

During fire, nitrous gases, fumes/smoke, isocyanates and vapour may be formed.

Special Protective Equipment and Precautions for Fire-fighters

Self-contained breathing apparatus and turn-out gear must be worn in case of fire.



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SECTION 6. ACCIDENTAL RELEASE MEASURES

Personal Precautions, Protective Equipment, and Emergency Procedures

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

Methods and Materials for Containment and Clean up

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

SECTION 7. HANDLING AND STORAGE

Precautions for Safe Handling

Obtain special instructions before use. Do not handle until all safety precautions have been read and understood. Do not breathe dust or mist. Do not get in eyes, on skin, or on clothing. Do not get this material in contact with eyes. Do not taste or swallow. When using, do not eat, drink or smoke. Provide adequate ventilation. Should be handled in closed systems, if possible. Pregnant or breastfeeding women must not handle this product. Wear appropriate personal protective equipment. Wash hands thoroughly after handling. Avoid release to the environment. Observe good industrial hygiene practices. Keep away from sources of ignition -No smoking. Take precautionary measures against static discharge.

Conditions for Safe Storage

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

SECTION 8. EXPOSURE CONTROLS / PERSONAL PROTECTION

Control Parameters

All protective clothing should be appropriately clean and available to dress into before work. The engineering measures or controls and PPE recommendations are only guidelines and may not apply to every situation. Data not available. For additional information, please consult the corresponding requirements under <http://www.ccohs.ca/topics/hazards/chemical/chemicals/>

| Chemical Name | ACGIH® TLV® | | OSHA PEL | | AIHA® WEEL® | |
|---------------|-------------|-------|----------|---------|-------------|------------|
| | TWA | STEL® | TWA | Ceiling | 8-hr TWA | Short-term |
| | | | | | | |

Appropriate 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

General Measures

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 out of the workplace. Clean hands and any exposed skin thoroughly after work and before breaks.

Eye / Face Protection

Use tightly sealed goggles or safety glasses with side shields which are resistant to Chemicals.

Skin Protection

Wear chemical resistant protection gloves. Wear impervious clothing as necessary to protect against coming in contact with product.

Respiratory Protection

If insufficient ventilation, wear respiratory protection.





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SECTION 9. PHYSICAL AND CHEMICAL PROPERTIES

| | |
|---------------------------------------|---------------|
| Appearance | Amber Liquid |
| Odor | Not available |
| Odor threshold | Not available |
| pH | Not available |
| Melting Point | Not available |
| Initial Boiling Point / Range | Not Available |
| Flash point | >93°C |
| Evaporation rate | Not available |
| Flammability (solid; gas) | Not available |
| Lower flammable/explosive limit | Not available |
| Upper flammable/explosive limit | Not available |
| Vapor pressure | Not available |
| Vapor density | Not available |
| Specific gravity | 0.9-1.0 |
| Solubility | Partial |
| Partition coefficient-n-Octanol/water | Not available |
| Auto-ignition temperature | Not available |
| Decomposition temperature | Not available |

SECTION 10. STABILITY AND REACTIVITY

| | |
|------------------------------------|---|
| Reactivity | Non-reactive |
| Chemical stability | Stable under recommended handling and storage conditions |
| Possibility of hazardous reactions | This product will polymerize if mixed with an epoxy resin. Considerable heat can evolve. |
| Conditions to avoid | Avoid temperatures exceeding the flash point. Epoxy resins under uncontrolled conditions. |
| Incompatible materials | Strong oxidizing agents and acids. |
| Hazardous decomposition products | Unknown |

SECTION 11. TOXICOLOGY INFORMATION

| | |
|---------------------------------------|--|
| Likely Routes of Administration | Inhalation, skin contact, eye contact, ingestion. |
| Acute Toxicity | Oral: Phenol LD50: 317 mg/kg (rat) Dermal: Harmful in contact with skin LD50: 850 mg/kg |
| LD50 and LC50 Data | Not available |
| Skin Corrosion/Irritation | Causes skin irritation. |
| Serious Eye Damage/ Irritation | Causes serious eye damage |
| STOT (Specific Target Organ Toxicity) | May cause allergy or asthma symptoms or breathing difficulties if inhaled. |
| Single Exposure Inhalation | Not classified based on available data. |
| Aspiration Hazard | Not classified based on available data. |
| STOT(Specific Target Organ Toxicity) | Skin, eyes, central nervous system, respiratory system |
| Repeated Exposure | |
| Respiratory and/or Skin Sensitization | No data |
| Carcinogenicity | Unknown |
| Chemical Name | IARC ACGIH® NTP OSHA |
| Reproductive Toxicity | Not available |
| Germ Cell Mutagenicity | Not available |
| Interactive Effects | Not available |

SECTION 12. ECOLOGICAL INFORMATION

Toxic to aquatic life with lasting effects.
This is not required by WHMIS.
This is not required by OSHA HCS 2012.



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SECTION 13. DISPOSAL CONSIDERATIONS

Disposal Methods

Dispose of contents/container into safe container in accordance with local, regional or national regulations.

SECTION 14. TRANSPORT INFORMATION

UN Number; Proper shipping name; Class(es); Packing group (PG) of the TDG Regulations:
UN3267; CORROSIVE LIQUID, BASIC, ORGANIC, N.O.S. Isophorone diamine, 4-nonylphenol, branched); CLASS 8; PG III

UN Number; Proper shipping name; Class(es); Packing group (PG) of the IMDG (maritime):
UN3267; CORROSIVE LIQUID, BASIC, ORGANIC, N.O.S. (. Isophorone diamine, 4-nonylphenol, branched); CLASS 8; PG III; MARINE POLLUTANT

UN Number; Proper shipping name; Class(es); Packing group (PG) of the IATA (air):
UN3267; CORROSIVE LIQUID, BASIC, ORGANIC, N.O.S. Isophorone diamine, 4-nonylphenol, branched); CLASS 8; PG III; MARINE POLLUTANT

SECTION 15. REGULATORY INFORMATION

Complies with regulation (EC) n° 1907/2006

Safety/health Canadian regulations specifics: Refer to section 2 for the appropriate classification. This product has been classified in accordance with the hazard criteria of the Hazardous Products Regulations (HPR).

SECTION 16. OTHER INFORMATION

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|------------------------------|---|
| Date of Preparation | August 2022 |
| Date of Last Revision | August 31, 2023 |
| Revision Indicators | The entire MSDS was changed in August 2020 to be in accordance with the WHMIS 2015 which incorporates the Globally Harmonized System of Classification and Labeling of Chemicals for Canadian Workplaces. (REACH), Annex 11, amended by Regulation (EU) No 2020/878-France. |
| References | 1. CHOHS Fact Sheets September 2016 ©CCOHS 2016 2. Supplier's Material Safety Data Sheet(s) |
| ACGIH | American Conference of Governmental Industrial Hygienists |
| ATE | Acute toxicity estimate |
| CAS | Chemical Abstract Service |
| DSL | Domestic Substance List |
| IARC | International Agency for Research on Cancer |
| IATA | International Air Transport Association |
| IMDG | International Maritime Dangerous Goods Code |
| LC | Lethal concentration |
| LD | Lethal Dosage |
| NIOSH | National Institute for Occupational Safety and Health |
| NTP | National Toxicology Program (U.S.A.) |
| OSHA | Occupational Safety and Health Administration (U.S.A.) |
| PEL | Permissible Exposure Limit |
| STEL | Short-term Exposure Limit |
| TDG | Transport of dangerous goods in Canada |
| TLV | Threshold Limit Value |
| TSCA | Toxic Substances Control Act |
| TWA | Time Weighted Average |
| WHMIS | Workplace Hazardous Materials Information System |

NOTICE: The facts stated and the recommendations made with respect to the use of this product are based on liable information. No guarantee of accuracy is made. Before using, determine the suitability of the product's intended use. The purchaser assumes all risks and liability for losses, damage, or expenses, directly or indirectly, arising from the handling or use of the product or from any other cause. All recommendations are made on condition that SCI Coatings Inc will not be liable for any damages resulting from its use since SCI Coatings Inc cannot control the conditions under which the product will be transported, stored, handled or used by the purchaser.