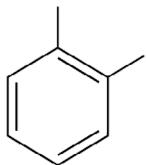




Safety data sheet

July 02, 2024
Revision #1

**SCI****SCI-300-8084 SC-B****SECTION 1.****IDENTIFICATION**

Product identifier	SCI-300-8084-SC-B
Other Means of Identification	N. A
Recommended Use	Polyaspartic 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 and Dermal Category 4
Skin Irritation Category 2
Serious eye damage/ eye irritation Category 1
Skin sensitization Category 1
Specific Target Organ Toxicity - Repeated Exposure Category 1
Pyrophoric Liquids Category 1

Label Elements**Signal Word**

Warning

Hazard Statements

H302 + H312: Harmful if swallowed or in contact with skin.
H315: Causes skin irritation.
H317: May cause an allergic skin reaction.
H318: Causes serious eye damage.
H319: Causes serious eye irritation.
H361: Suspected of damaging fertility or the unborn child.

Precautionary statements**Prevention:**

P201: Obtain special instructions before use. P202: Do not handle until all safety precautions have been read and understood. P261: Avoid breathing vapors, mist, or spray. P264: Wash hands, forearms, and other exposed areas thoroughly after handling. P270: Do not eat drink or smoke when using this product. P272: Contaminated work clothing must not be allowed out of the workplace. P280: Wear protective gloves, protective clothing, and eye protection. P402+P405+P235: Store locked in a cool and dry location. P411: Store in temperatures not exceeding freezing point. P391: Collect Spillage. P501: Dispose of contents/container in accordance with local, regional, national, territorial, provincial, and international regulations. Response: Handle in accordance with good industrial hygiene and safety practice. P308 + P313: if exposed or concerned: Get medical advice / attention. P310: Immediately call a poison center or doctor. P330: Rinse mouth. P302 + P352: if on skin: Wash with plenty of water P305 + P351 + P338: IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. P313 + P333 + P337: Get medical advice/attention: If skin irritation or rash occurs or if eye irritation persists

Other Hazards:

Keep away from children and animals

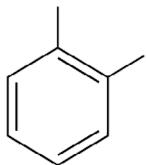
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**SCI****SCI-300-8084 SC-B****SECTION 3.****COMPOSITION**

	Chemical Name	CAS No.	% by weight	Other Identifiers
	Homopolymer of HDI	28182-81-2	45 - 80	LD 50 (ORAL-RAT) (mg/kg) >5000
	Hexamethylene diisocyanate	822-06-0	0.1 – 0.15	746

Notes:
Not applicable

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

Remove patient to fresh air. Give mouth to mouth if patient is not breathing. Seek medical attention immediately.

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:

Do not induce vomiting unless directed to do so by medical personnel. Give two glasses of water for dilution. Never give anything by mouth to an unconscious person. Immediately consult a physician

Most Important Symptoms and Effects, Acute and Delayed**If inhaled:**

May cause allergy or asthma symptoms or breathing difficulties if inhaled.

If on skin:

Harmful if in contact with the skin. Causes skin irritation. Exposure may produce an allergic reaction

If in eyes:

Causes serious eye damage.

If ingested:

Ingestion is likely to be harmful or have adverse effects

Immediate Medical Attention and Special Treatment:**Special Instructions:**

If a physician or medical attention is required, have product container or label at hand.

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

Carbon dioxide, appropriate foam, water spray, dry chemical powder.

Unsuitable Extinguishing Media

Not available

Specific Hazards Arising from the Product

Ammonia gas may be liberated at high temperatures. In case of incomplete combustion an increased formation of oxides of nitrogen (NO_x) is to be expected. Incomplete combustion may form carbon monoxide. May generate ammonia gas. May generate toxic nitrogen oxide gases. Burning produces noxious and toxic fumes. Downwind personnel must be evacuated. Refer to section 9 for flammability properties.

Special Protective Equipment and Precautions for Fire-fighters

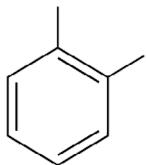
Use self-contained breathing apparatus and protective clothing.

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**SCI****SCI-300-8084 SC-B****SECTION 6.****ACCIDENTAL RELEASE MEASURES****Personal Precautions, Protective Equipment, and Emergency Procedures**

As a general precaution, take personal precaution not to breath gas, vapors, or dusts. Do not get in eyes, on skin or clothing.

Use appropriate personal protection equipment. In the event of an emergency, evacuate any unnecessary personnel.

As an environmental precaution, prevent spillage to sewers, public waters, and do not penetrate ground/soil.

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**

Handle in accordance to good industrial hygiene and safety procedures. Wear respiratory protection when handling. Avoid body contact of containers or contents unless wearing appropriate personal protective equipment. Wear respiratory protection when handling. Avoid release into the environment.

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 incapable 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
			8-hr TWA

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

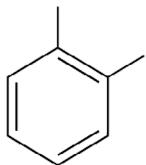
Use tightly sealed goggles or safety glasses with side shields which are resistant to Chemicals.

**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

<u>Appearance</u>	Clear Liquid
<u>Odor</u>	Not available
<u>Odor threshold</u>	Not available
<u>pH</u>	Not available
<u>Melting Point</u>	Not available
<u>Initial Boiling Point / Range</u>	Approximately 104°C
<u>Flash point</u>	>194°C
<u>Evaporation rate</u>	Not available
<u>Flammability (solid; gas)</u>	Not available
<u>Lower flammable/explosive limit</u>	Not available
<u>Upper flammable/explosive limit</u>	Not available
<u>Vapor pressure</u>	Butyle acétate: 15 @ 20°C Isocyanate: 5.2 x 10-9 @ 20°C
<u>Vapor density</u>	Not available
<u>Specific gravity</u>	1.13-1.14
<u>Solubility</u>	Insoluble. Reacts slowly with water to liberate CO ₂ gas.
<u>Partition coefficient-n-Octanol/water</u>	Not available
<u>Auto-ignition temperature</u>	Not available
<u>Decomposition temperature</u>	Not available

SECTION 10.
STABILITY AND REACTIVITY

<u>Reactivity</u>	None known
<u>Chemical stability</u>	Stable under recommended handling and storage conditions
<u>Possibility of hazardous reactions</u>	In presence of moisture and when in contact with other materials that react with isocyanates, or temperatures above 177 °C may cause polymerization. Avoid heat, sparks, and flame.
<u>Conditions to avoid</u>	Direct sunlight. Extremely high and low temperatures.
<u>Incompatible materials</u>	Water, amines, strong acids and bases, alcohols, and copper alloys.
<u>Hazardous decomposition products</u>	Nitrogen oxides, carbon oxides.

SECTION 11.
TOXICOLOGY INFORMATION

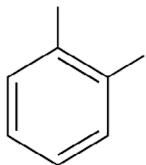
<u>Likely Routes of Administration</u>	Inhalation, skin contact, eye contact, ingestion.
<u>Acute Toxicity</u>	Oral: Harmful if swallowed. Dermal: Harmful in contact with skin.
<u>LD50 and LC50 Data</u>	Not available
<u>Skin Corrosion/Irritation</u>	Causes skin irritation.
<u>Serious Eye Damage/ Irritation</u>	Causes serious eye damage
<u>STOT (Specific Target Organ Toxicity)</u>	May cause allergy or asthma symptoms or breathing difficulties if inhaled.
<u>Single Exposure Inhalation</u>	
<u>Aspiration Hazard</u>	Not classified based on available data.
<u>STOT(Specific Target Organ Toxicity)</u>	Skin, eyes, central nervous system, respiratory system
<u>Repeated Exposure</u>	
<u>Respiratory and/or Skin Sensitization</u>	May irritate mucous membranes, eyes, nose, and respiratory passages. May cause asthma attack to persons with pre-existing bronchial hyper reactivity. Exposure to high concentrations may lead to bronchitis, bronchial spasm and pulmonary oedema. Effects are usually reversible. May cause C.N.S. depression with symptoms of nausea, light-headedness, drowsiness, dizziness, loss of coordination.
<u>Carcinogenicity</u>	Unknown
<u>Chemical Name</u>	IARC ACGIH® NTP OSHA
<u>Reproductive Toxicity</u>	Suspected of damaging fertility or the unborn child.
<u>Germ Cell Mutagenicity</u>	Not classified
<u>Interactive Effects</u>	Not classified

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**SCI****SCI-300-8084 SC-B****SECTION 12.****ECOLOGICAL INFORMATION**

This is not required by WHMIS.
This is not required by OSHA HCS 2012.

SECTION 13.**DISPOSAL CONSIDERATIONS****Disposal Methods**

Dispose of waste material in accordance with all local, regional, national, provincial, territorial and international regulations.

SECTION 14.**TRANSPORT INFORMATION**

UN Number: Proper shipping name: Class(es): Packing group (PG) of the TDG Regulations:
NOT REGULATED MATERIAL

SECTION 15.**REGULATORY INFORMATION**

Regulation (EC) No 1907/2006 of the European Parliament and of the Council of 18 December 2006 concerning the Registration, Evaluation, Authorization and Restriction of Chemicals (REACH) (as amended).
Regulation (EC) No 1272/2008 of the European Parliament and of the Council of 16 December 2008 on classification, labeling and packaging of substances and mixtures (as amended).
Commission Regulation (EU) No 2015/830 of 28 May 2015.

SECTION 16.**OTHER INFORMATION**

Date of Preparation	November 18, 2016
Date of Last Revision	August 31, 2023
Revision Indicators	The entire MDSD 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.
References	1. CHOHS Fact Sheets September 2016 ©CCOHS 2016 2. Supplier's Material Safety Data Sheet(s)

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.

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