Safety Data Sheet (SDS)

Industrial Polyaspartic - Comp. B
PE700235

SECTION 1. IDENTIFICATION

Product identifier	Industrial Polyaspartic PE700235 - Comp. B
Other Means of Identification	N.A.
Recommended Use	Polyurea Coating
Recommended 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+405+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.

SECTION 3. COMPOSITION

Chemical Name	CAS No.	% by weight	LD 50 (ORAL-RAT) (mg/kg)
Homopolymer of HDI	28182-81-2	45-80%	>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 (NOx) 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.

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/

	ACGIH | TLV		OSHA | PEL		AIHA | WEEL	
Cheminal Name	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.

SECTION 9. PHYSICAL AND CHEMICAL PROPERTIES

Appearence	Clear Liquid
Odor	Not available
Odor threshold	Not available
pH	Not available
Melting Point	Not available
Initial Boiling Point / Range	Approximately 104°C
Flash point	>194°C
Evaporation rate	Not available
Flammability (solid; gas)	Not available
Lower flammable/explosive limit	Not available
Upper flammable/explosive limit	Not available
Vapor pressure	Butyle acétate: 15 @ 20°C Isocyanate: 5.2 x 10-9 @ 20°C
Vapor density	Not available
Specific gravity	1.13-1.14
Solubility	Insoluble. Reacts slowly with water to liberate CO2 gas.
Partition coefficient-n-Octanol/water	Not available
Auto-ignition temperature	Not available
Decomposition temperature	Not available

SECTION 10.	**STABILITY AND REACTIVITY**	
	Reactivity	None known
	Chemical stability	Stable under recommended handling and storage conditions.
	Possibility of hazardous reactions	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.
	Conditions to avoid	Direct sunlight. Extremely high and low temperatures.
	Incompatible materials	Water, amines, strong acids and bases, alcohols and copper alloys.
	Hazardous decomposition products	Nitrogen oxides, carbon oxides.
SECTION 11.	**TOXICOLOGY INFORMATION**	
	Likely Routes of Administration	Inhalation, skin contact, eye contact, ingestion.
	Acute Toxicity	Oral: Harmful if swallowed. Dermal: Harmful in contact with skin.
	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) Single Exposure Inhalation	May cause allergy or asthma symptoms or breathing difficulties if inhaled.
	Aspiration Hazard	Not classified based on available data.
	STOT(Specific Target Organ Toxicity) Repeated Exposure	Skin, eyes, central nervous system, respiratory system.
	Respiratory and/or Skin Sensitization	May irritate mucous membranes, eyes, nose, and respiratory passages. May cause asthma attack to persons with preexisting 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, lightheadedness, drowsiness, dizziness, loss of coordination.
	Carcinogenicity	Unknowm
	Chemical name	IARC ACGIH® NTP OSHA
	Reproductive Toxicity	Suspected of damaging fertility or the unborn child.
	Germ Cell Mutagenicity	Not classified
	Interactive Effects	Not classified
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)