

SECTION 1. IDENTIFICATION

Product identifier	Industrial Water Borne Polyurethane - Comp. A PE700225 - PE700226 - PE700227
Other Means of Identification	N.A.
Recommended Use	Water Borne Polyurethane 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	Chronic aquatic toxicity: Category 2 Skin sensitization: Category 1
Label Elements	Signal Word Warning
Hazard Statements	H315: Causes skin irritation. H317: May cause an allergic skin reaction. H319: Causes serious eye irritation. H411: Toxic to aquatic life with long-lasting effects
Precautionary statements	Prevention: P261: Avoid breathing vapors, mist, or spray. P264: Wash hands, forearms, and other exposed areas thoroughly after handling. P273: Avoid release to the environment. P280: Wear protective gloves, protective clothing, and eye protection. P233: Keep container lid tightly closed after partial use or when storing. P402 + P235: Store 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. 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:	Not Available

SECTION 3. COMPOSITION

Chemical Name	CAS No.	% concentration	LD 50 (ORAL-RAT) (mg/kg)
Notes: NO HAZARDOUS INGREDIENTS APPLY			

SECTION 4. FIRST-AID MEASURES

First-aid Measures
Inhalation:
 Remove patient to fresh air. Give mouth to mouth if patient is not breathing. Call a physician.
Skin Contact:
 Flush with soap and water for a minimum of 15 minutes. Consult a physician if irritation persists.
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:
 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
 None known.

Specific Hazards Arising from the Product
 Incomplete combustion can form Carbon Oxides and low molecular weight hydrocarbons, phenol and water. Refer to section 9 for flammability properties.

Special Protective Equipment and Precautions for Fire-fighters
 Flammable. Evacuate area. If a leak or spill has not ignited, use water spray to disperse the vapors and to protect personnel attempting to stop a leak. Prevent runoff from fire control or dilution from entering streams, sewers, or drinking water supply. Use water spray to cool fire exposed surfaces and to protect personnel. Self-contained breathing apparatus and turn-out gear must be worn in case of fire.

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®
Chemical 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

Appearance	Milk Liquid
Odor	Not available
Odor threshold	Not available
pH	Not available
Melting Point	Not available
Initial Boiling Point / Range	100°C
Flash point	>90°C
Evaporation rate	N.A. (Butyl acetate = 1) N.A. (Ethyl acetate = 1)
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	1.04
Solubility	Not available
Partition coefficient-n-Octanol/water	Not available
Auto-ignition temperature	Not available
Decomposition temperature	Not available
Viscosité	Not available

SECTION 10. STABILITY AND REACTIVITY

Reactivity	None known
Chemical stability	Stable under recommended handling and storage conditions.
Possibility of hazardous reactions	Hazardous polymerization can occur.
Conditions to avoid	Direct sunlight. Extremely high and low temperatures.
Incompatible materials	Strong mineral acids, strong bases, strong oxidizers, amines.
Hazardous decomposition products	Will react with aliphatic amines. Carbon oxides. Uncontrolled exothermic reactions of epoxy resins release phenolics carbon monoxide and water.


SECTION 11. TOXICOLOGY INFORMATION

Likely Routes of Administration	Inhalation, skin contact, eye contact, ingestion.
Acute Toxicity	Not classified
LD50 and LC50 Data	Not available
Skin Corrosion/Irritation	Causes skin irritation. May cause an allergic skin reaction. Repeated skin contact may cause dermatitis, skin rash or itchiness.
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	Not classified based on available data.
Respiratory and/or Skin Sensitization	May cause an allergic skin reaction.
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	
	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	
	Not regulated under Canadian TDG regulations. Not regulated under US DOT Regulations.	
SECTION 15.	REGULATORY INFORMATION	
	Not required under Canadian Regulations.	
SECTION 16.	OTHER INFORMATION	
	Date of Preparation	November 19, 2016
	Date of Last Revision	July 17, 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 Passeport Élite will not be liable for any damages resulting from its use since Passeport Élite cannot control the conditions under which the product will be transported, stored, handled or used by the purchaser.

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Other Means of Identification	N.A.
Recommended Use	Water Borne Polyurethane 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	
	<p>Classification</p> <p>Acute toxicity Oral and Dermal Category 4 Skin Irritation Category 2 Serious eye damage / eye irritation Category 1 Skin sensitization Category 1 Skin corrosion / irritation –Skin Corrosion Category 1 Specific Target Organ Toxicity - Repeated Exposure Category 1 Flammable Liquids Category 1</p> <p>Label Elements</p> <p>Signal Word Warning</p> <p>Hazard Statements</p> <p>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. H226: Flammable liquid and vapor.</p>

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)
Hexamethylene diiso cyanate holigosmer, isocyanurate	28182-81-2	70-80%	Not available
Ethyldiisopropylamine	7087-68-5	1-3%	Not available
Polyoxyethylene tridecyl ether phosphate	9046-01-9	5-10%	Not available
Phosphoric acid butyl ester	12788-93-1	1-3%	Not available
Hexamethylene diisocyanate	822-06-0	0-0,03%	Not available

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:

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

Flammable liquid, insoluble in water. SMALL FIRE: Use DRY chemical powder.
LARGE FIRE: Use water spray or fog. Cool containing vessels with water jet in order to prevent pressure build-up, auto ignition or explosion.

Unsuitable Extinguishing Media

None known.

Specific Hazards Arising from the Product

Explosive in the form of vapor when exposed to heat or flame. Vapor may travel considerable distance to source of ignition and flash back. When heated to decomposition it emits acrid smoke and irritating fumes.

Special Protective Equipment and Precautions for Fire-fighters

Flammable. Evacuate area. If a leak or spill has not ignited, use water spray to disperse the vapors and to protect personnel attempting to stop a leak. Prevent runoff from fire control or dilution from entering streams, sewers, or drinking water supply. Use water spray to cool fire exposed surfaces and to protect personnel. Self-contained breathing apparatus and turn-out gear must be worn in case of fire.

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 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/>

	ACGIH® TLV®	OSHA PEL	AIHA®	WEEL®
Chemical 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

Appearance	Clear Liquid
Odor	Not available
Odor threshold	Not available
pH	Not available
Melting Point	Not available
Initial Boiling Point / Range	>100°C
Flash point	40-60°C
Evaporation rate	Not available
Flammability (solid; gas)	Not available
Lower flammable/explosive limit	Not available
Upper flammable/explosive limit	Not available
Vapor pressure	0.7°C at 25°C
Vapor density	Not available
Specific gravity	1.15
Solubility	>5% at 25°C in water
Partition coefficient-n-Octanol/water	Not available
Auto-ignition temperature	Not available
Decomposition temperature	Not available
Viscosity	Not available

SECTION 10. STABILITY AND REACTIVITY	
Reactivity	Non-reactive
Chemical stability	Stable under recommended handling and storage conditions.
Possibility of hazardous reactions	Hazardous polymerization will not occur.
Conditions to avoid	Direct sunlight. Extremely high and low temperatures.
Incompatible materials	Strong oxidizing agents.
Hazardous decomposition products	Carbon oxides when burned.
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	Unknown
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	
Not regulated under Canadian TDG regulations. Not regulated under US DOT Regulations.	



Safety Data Sheet (SDS)
Industrial Water Borne Polyurethane - Comp. B
PE700225 - PE700226 - PE700227

SECTION 15. REGULATORY INFORMATION	Not required under Canadian Regulations.
SECTION 16. OTHER INFORMATION	
Date of Preparation	November 19, 2016
Date of Last Revision	July 17, 2023
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