

## Canusa-CPS PLX

## SECTION 1. IDENTIFICATION

<b>Product Identifier</b>	Canusa-CPS PLX
<b>Other Means of Identification</b>	PLX-45, PLX-55, PLX-65
<b>Recommended Use</b>	Tube welded backing for sealing.
<b>Manufacturer</b>	CANUSA-CPS, A DIVISION OF SHAWCOR LTD., 25 BETHRIDGE ROAD, TORONTO, ON, M9W 1M7, (416) 743-7111
<b>Emergency Phone No.</b>	Canusa, (613) 996-6666 (CANUTEC)

## SECTION 2. HAZARD IDENTIFICATION

**Classification**

Not classified under any hazard class.

**Label Elements**

Not applicable

## SECTION 3. COMPOSITION/INFORMATION ON INGREDIENTS

Chemical Name	CAS No.	%	Other Identifiers
Polyethylene, high-density	9002-88-4	90-100	
Carbon black	1333-86-4	>0.5	
Talc, Containing No Asbestos or Crystalline Silica	14807-96-6	>0.5	

**Notes**

This product is a manufactured article.

## SECTION 4. FIRST-AID MEASURES

**First-aid Measures****Inhalation**

Not likely as product is a solid; fumes from decomposition may cause irritation; if overcome with fumes and symptoms develop; seek medical attention.

**Skin Contact**

Wash with soap and water.

**Eye Contact**

Mechanical injury only. Flush with water for 15 minutes. If eye irritation persists, get medical advice or attention.

**Ingestion**

Get medical advice or attention if you feel unwell or are concerned.

## SECTION 5. FIRE-FIGHTING MEASURES

**Extinguishing Media****Suitable Extinguishing Media**

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Dry chemical powder, carbon dioxide, general purpose synthetic foams (including AFFF type), protein foams or alcohol resistant foam, water spray or fog may be used.

### Specific Hazards Arising from the Product

Polyethylene (PE) can be pyrolyzed and/or burn readily under the right conditions of heat and oxygen supply, and generate large amounts of dense black smoke.

During a fire, PE may decompose by thermal decomposition or combustion to form irritating smoke and toxic and/or flammable gases and fumes, such as carbon monoxide, carbon dioxide, ethylene, ethane, other saturated and unsaturated hydrocarbons, formic acid, acrylic acid, formaldehyde and acrolein.

### Special Protective Equipment and Precautions for Fire-fighters

HDPE can burn if strongly heated and form irritating smoke and toxic and/or flammable gases. Evacuate area and fight fire from a safe distance or protected location. Approach fire from upwind to avoid hazardous and toxic decomposition products.

If possible, isolate materials not yet involved in the fire. Otherwise, fire-exposed materials should be cooled by application of hose streams. Application should begin as soon as possible and should concentrate on any unwetted portions. For a massive fire in a large area, use unmanned hose holder or monitor nozzles. If this is not possible, withdraw from fire area and allow fire to burn.

If applicable, avoid generating dust to minimize risk of explosion.

## SECTION 6. ACCIDENTAL RELEASE MEASURES

### Personal Precautions, Protective Equipment, and Emergency Procedures

No special precautions are necessary.

### Environmental Precautions

It is good practice to prevent releases into the environment.

### Methods and Materials for Containment and Cleaning Up

Sweep or shovel into a container for reuse or disposal. Dispose of in compliance with applicable legislation.

## SECTION 7. HANDLING AND STORAGE

## SECTION 8. EXPOSURE CONTROLS/PERSONAL PROTECTION

### Control Parameters

Chemical Name	ACGIH TLV®		OSHA PEL		AIHA WEEL	
	TWA	STEL	TWA	Ceiling	8-hr TWA	TWA
Polyethylene, high-density	Not established		Not established			
Carbon black	3 mg/m <sup>3</sup> A3		Not established			
Talc, Containing No Asbestos or Crystalline Silica	2 mg/m <sup>3</sup> A4		2 mg/m <sup>3</sup>			

## SECTION 9. PHYSICAL AND CHEMICAL PROPERTIES

### Basic Physical and Chemical Properties

**Melting Point/Freezing Point** > 150 °C (melting)

**Flash Point** 260 °C

### Other Information

**Physical State** Solid

## SECTION 10. STABILITY AND REACTIVITY

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### Chemical Stability

Normally stable.

### Conditions to Avoid

Temperatures above 235 °C

### Incompatible Materials

STRONG OXIDIZING AGENTS (e.g. perchloric acid, nitric acid or chlorine) - may decompose HDPE.

FLUORINE (gaseous or liquid fluorine-oxygen mixtures (50-100% F) - may burn or react violently.

SULFURIC ACID and NITRIC ACID (fuming or concentrated) - can decompose polyethylene at 100-150 deg C.

## SECTION 11. TOXICOLOGICAL INFORMATION

### Acute Toxicity

Chemical Name	LC50	LD50 (oral)	LD50 (dermal)
Polyethylene, high-density		> 2000 mg/kg (rat)	
Carbon black	6750 mg/m3 (4-hour exposure)		

### Skin Corrosion/Irritation

May cause irritation.

### Serious Eye Damage/Irritation

Mechanical irritation is possible.

### STOT (Specific Target Organ Toxicity) - Single Exposure

#### Inhalation

Not likely to be a problem due to physical form; mechanical suffocation possible. May cause irritation during overheating.

#### Ingestion

(Polyethylene, high-density) no harmful effects were observed in rats following one-time administration of 7950 mg/kg PE homopolymer (Marlex 50, form unspecified) (probably low-density PE). Similarly, no harmful effects were observed following one-time administration of 2500 mg/kg unstabilized and stabilized high-density PE in powdered form. (.)

### Respiratory and/or Skin Sensitization

Sensitization may occur with prolonged and repeated skin contact.

### Carcinogenicity

Chemical Name	IARC	ACGIH®	NTP	OSHA
Polyethylene, high-density	Not Listed	Not designated	Not Listed	Not Listed
Carbon black	Group 2B	A3	Not Listed	Not Listed
Talc, Containing No Asbestos or Crystalline Silica	Group 1	A1	Not Listed	Not Listed

All components are completely encapsulated in the product, and are not likely to present a health hazard.

### Reproductive Toxicity

#### Sexual Function and Fertility

Not known to cause effects on sexual function or fertility.

### Germ Cell Mutagenicity

Not known to be a mutagen.

## SECTION 12. ECOLOGICAL INFORMATION

### Ecotoxicity

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No information was located.

#### Acute Aquatic Toxicity

Chemical Name	LC50 Fish	EC50 Crustacea	ErC50 Aquatic Plants	ErC50 Algae
Talc, Containing No Asbestos or Crystalline Silica	1000 mg/L (semi-static)			

#### Persistence and Degradability

No information was located.

### SECTION 13. DISPOSAL CONSIDERATIONS

#### Disposal Methods

Dispose of in compliance with all federal, state, provincial, municipal and local legislation.

### SECTION 14. TRANSPORT INFORMATION

Not regulated under Canadian TDG regulations. Not regulated under US DOT Regulations. Not regulated under IATA Regulations.

**Special Precautions** Not applicable

#### Transport in Bulk According to Annex II of MARPOL 73/78 and the IBC Code

Not applicable

### SECTION 15. REGULATORY INFORMATION

#### Safety, Health and Environmental Regulations

The regulatory information provided is not intended to be comprehensive. Other local, state, provincial, federal international or country specific regulations may apply to this material.

### SECTION 16. OTHER INFORMATION

**SDS Prepared By** SHAWCOR LTD.

**Phone No.** (416) 743-7111

**Date of Preparation** August 08, 2012

**Date of Last Revision** February 17, 2017

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