



## SECTION 1: PRODUCT AND COMPANY IDENTIFICATION

**Product Name:** PPC Collar **Product Code:** PPC 1.5, PPC 2.0, PPC 3.0, PPC 4.0 & PPC 6.0  
**Product Type:** Intumescent collar **Use:** Firestopping combustible pipes  
**Chemical Family:** Organic/Inorganic

**Company Address:**  
Passive Fire Protection Partners  
1412 Derwent Way  
Delta, BC V3M 6H9  
Canada

**Contact Information:**  
Telephone: 800.810.1788  
MEDICAL EMERGENCY Phone: Poison Control Center  
1-877-671-4608 (toll free) or 1-303-592-1711  
TRANSPORT EMERGENCY Phone: CHEMTREC  
1-800-424-9300 (toll free) or 1-703-527-3887  
Internet: www.firestop.com

## SECTION 2. HAZARDS IDENTIFICATION

### GHS CLASSIFICATION

Not Applicable:

According to REACH Reg. (EC) No. 1907/2006 the product is declared as an **article** and is not subject to the provisions of classification according to CLP Regulation (EC) No. 1272/2006. Directive 67/548/EC or Directive 1999/45/EC.

### GHS LABEL ELEMENTS, INCLUDING PRECAUTIONARY STATEMENTS:

**Hazard Symbols:** None

#### Precautionary Statements:

P102 - Keep Out Of Reach of Children  
P264 - Wash Hands Thoroughly After Handling

### OTHER HAZARDS:

Dust may cause irritation of eyes and respiratory tract by mechanical friction. Occupational exposure limits are to be observed.

## SECTION 3. COMPOSITION /INFORMATION ON INGREDIENTS

### CHEMICAL CHARACTERIZATION

The WS1 - is a graphite based intumescent fire protection laminate.

**Carrier material:** Glass fibre mat  
**Appearance:** Solid, flexible  
**Form of delivery:** Strips and rolls  
**Thickness:** 2.5 mm (0.1 in)

According to United States Regulations (29 CFR 1910.1200 - Hazard Communication Standard) and under Canadian Regulations (Workplace Hazardous Materials Information System (WHMIS) - Hazardous Products Act (HPA), Section 11(1)) this product is declared as an article.

The article does not contain any substances in concentrations of  $\geq 0.1\%$  listed on the candidate of list of Substances of Very High Concern (SVHC).

This article is free of organic solvents.





## SECTION 4. FIRST AID MEASURES

<b>Description of first aid measures:</b>	Under normal handling conditions the product presents no significant health hazards. In any cases of doubt seek medical advice.
<b>General rule:</b>	Seek medical advice if symptoms occur. Never give anything by mouth to an unconscious person or a person with cramps.
<b>In case of inhalation of dust:</b>	Provide fresh air. Consult a physician if symptoms occur. If unconscious place and transport in recovery position.
<b>In case of skin contact:</b>	Wash affected area immediately with soap and water. Consult a physician.
<b>In case of eye contact:</b>	Small particles can cause an irritation by mechanical friction. In case of contact with eyes immediately flush eyes with plenty of water for at least 15 minutes. If symptoms develop and persist, get medical attention.
<b>In case of ingestion:</b>	Rinse mouth thoroughly with cold water. Avoid vomiting. Give plenty of water. Call a physician if discomfort persists.
<b>Symptoms:</b>	No information available.
<b>Medical attention and special treatment need:</b>	Depending on the condition of the patients, the doctor must assess the symptoms and the overall general conditions.

## SECTION 5. FIRE FIGHTING MEASURES

<b>Reaction to fire:</b>	B1, slowly combustible
<b>Extinguishing media:</b>	CO <sub>2</sub> , Dry powder, water spray Fight larger fires with water jet or alcohol-resistant foam.
<b>Special fire fighting procedures:</b>	Do not breathe combustion gases. Wear protective equipment
<b>Unusual fire or explosion hazards:</b>	None known
<b>Hazardous combustion products:</b>	Carbon Dioxide (CO <sub>2</sub> ), Phosphorus Oxides (P <sub>x</sub> O <sub>y</sub> ) Material intumesces at approximately 190°C (374°F)

## SECTION 6. ACCIDENTAL RELEASE MEASURES

<b>Personal protection:</b>	No special measures required
<b>Environmental precautions:</b>	Do not allow to enter dust into surface water or drains.
<b>Clean-up methods:</b>	Treat the recovered material as prescribed in the section on waste disposal (Section 13).

## SECTION 7. HANDLING AND STORAGE

<b>Handling:</b>	Observe protective measures and safety instructions. Avoid generation of dust.
<b>Storage:</b>	Store in a cool, dry and well ventilated area. Protect from frost and heat. Keep away from food and animal feeding stuffs. Keep away from children. Observe official regulations. Store at room temperature. Store in original container protected from direct sunlight, in a cool, dry area. Keep containers closed when not in use. Do not store in unlabeled containers.





**SECTION 8. EXPOSURE CONTROLS / PERSONAL PROTECTION**

Employers should complete an assessment of all workplaces to determine the need for, and selection of, proper exposure controls and protective equipment for each task performed.

Name	CAS#		TMW/KZW*		Notes	Duration [min]
			[ppm]	[mg/m <sup>3</sup> ]		
Graphite	7782-42-5	MAK		5A / 10A		2x60[Miw]
Bilog. inert suspended particles		MAK		10E / 20E 5A / 10A		

\*TMW Daily average value

KZW Short-time value

Miw Average

E Breathable fraction

H Special danger of skin resorption.

A Alveolar fraction

S Substance causes allergic reactions at a level that is above average.

**Exposure control:**

When handling with chemical substances observe usual precautionary measures:  
Keep away of foods and drinks.  
When using do not eat, drink, smoke, sneeze. Wash hands after working with product.  
Do avoid contact with skin and eyes. Avoid breathing dust.  
Change contaminated clothing and wash before reuse.

Protective Use general ventilation and use local exhaust, where possible, in confined or enclosed space.

Protective clothing needs to be selected specifically for the workplace, depending on concentrations and quantities of the hazardous substances handled. The chemical resistance of the protective equipment should be enquired at the respective supplier.

**Respiratory protection:**

Not normally required. Use NIOSH approved respirator if there is potential to exceed exposure limit(s).

**Eye / Face protection:**

Safety goggles or safety glasses with side shields.

**Skin protection:**

Chemical resistant, impermeable gloves; Neoprene, Butyl-rubber, or Nitrile-rubber gloves are recommended. The selection of suitable gloves depends not only on the material, but also on other quality characteristics. Breakthrough times and swelling properties of the material must be taken into consideration.

**Body protection:**

Working clothes

**Environmental exposure control measures:**

Do not allow to enter dust into surface water or drains.

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## SECTION 9. PHYSICAL AND CHEMICAL PROPERTIES

<b>Physical state:</b>	Solid, flexible
<b>Color:</b>	Grey
<b>Odor:</b>	Approximately none
<b>Odor threshold:</b>	No information available
<b>pH:</b>	N.A
<b>Melting point/range:</b>	No information available
<b>Boiling point/range:</b>	No information available
<b>Flash point:</b>	No information available
<b>Flammable (solid, gas):</b>	No information available
<b>Upper explosive limits:</b>	No information available
<b>Lower explosive limits:</b>	No information available
<b>Vapor pressure:</b>	No information available
<b>Density @ 20°C (68°F):</b>	ca. 1.2 g/cm <sup>3</sup> (74.9 pcf)
<b>Solubility in water:</b>	Almost insoluble
<b>Partition coefficient (n-octanol/water):</b>	No information available
<b>Ignition temperature:</b>	No information available
<b>Decomposition temperature:</b>	No information available
<b>Viscosity:</b>	No information available
<b>Explosive properties:</b>	The product itself is not explosive. During formation of dust, danger of dust explosion.
<b>Other information:</b>	
<b>Reaction to fire:</b>	B1, slowly combustible
<b>Expansion temperature:</b>	Approximately 190°C (374°F)
<b>Thermal conductivity:</b>	0.238 W/mk

For further specifications see technical data sheet

## SECTION 10. STABILITY AND REACTIVITY

<b>Reactivity:</b>	No hazardous reactions known if used as prescribed.
<b>Chemical stability:</b>	Stable under normal conditions. Material intumesces at approximately 190°C (374°F)
<b>Possibility of hazardous reactions:</b>	No data available.
<b>Conditions to avoid:</b>	Avoid high temperatures and generation of dust.
<b>Incompatible materials:</b>	No data available.
<b>Hazardous decomposition products:</b>	No further information available.

## SECTION 11. TOXICOLOGICAL INFORMATION

<b>Information on toxicological effects:</b>	Toxicological data for the product are not available
<b>LD<sub>50</sub> values of single components relevant for classification:</b>	No data available
<b>Irritation and corrosive effects:</b>	Skin: not irritant Eyes: not irritant - dust can cause irritation by mechanical friction. Respiratory tract: inhalation of dust can cause irritation by mechanical friction.
<b>Sensitization:</b>	The material contains a substance which is classified as skin sensitizing. The substance is embedded in a polymer matrix, thereby sensitization is not expected.
<b>Carcinogenicity:</b>	None of the substances in this product are listed as carcinogens by the International Agency for Research on Cancer (IARC), the National Toxicology Program (NTP) or the American Conference of Government Industrial Hygienists (ACGIH).





<b>Mutagenicity</b>	The product does not contain any ingredients in a concentration of equal or higher than 0.1%, which are classified as mutagen.
<b>Reproductive toxicity:</b>	The product does not contain any ingredients in a concentration of equal or higher than 0.1%, which are classified as toxic for reproduction.
<b>Other information:</b>	According to REACH Reg. (EC) No. 1907/2006 the product is declared as an article and is not subject to the provisions of classification and labeling.

## SECTION 12. ECOLOGICAL INFORMATION

<b>Toxicity:</b>	No ecotoxicity studies have been conducted on this product. According to REACH Reg. (EC) No. 1907/2006 the product is declared as an article and is not subject to the provisions of classification and labeling.
<b>Aquatic toxicity of ingredients:</b>	No data available
<b>Persistence and degradability:</b>	No data available
<b>Bioaccumulative potential:</b>	No data available
<b>Mobility in soil:</b>	No data available
<b>Results of PBT and vPvB assessment:</b>	No data available for this product
<b>Other adverse effects:</b>	Do not allow to enter dust into surface water or drains.

## SECTION 13. DISPOSAL CONSIDERATIONS

**Information provided is for unused product only:**

<b>Recommend method of disposal:</b>	Dispose should be in accordance with applicable regional, national, Federal, State and local governmental regulations.
<b>Waste disposal:</b>	The generation of waste should be avoided or minimized wherever possible. Empty containers may retain some product residues. This material and its containers must be disposed of in a safe way. Dispose of surplus and non-recyclable products via a licensed waste disposal contractor. Disposal of this product should at all times must comply with the requirements of environmental protection and waste disposal legislation and any regional local authority requirements. Avoid dispersal of spilled material and runoff and contact with soil, waterways, drains and sewers.
<b>Hazardous waste number:</b>	It is the responsibility of the user to determine if an item is hazardous as defined in the Resource Conservation and Recovery Act (RCRA) at the time of disposal. Product uses, transformations, mixtures, processes, etc., may render the resulting material hazardous, under the criteria of ignitability, corrosivity, reactivity and toxicity characteristics of the Toxicity Characteristics Leaching Procedure (TCLP) 40 CFR 261.20-24.

## SECTION 14. TRANSPORT INFORMATION

Regulatory Information	UN Number	Proper Shipping Name	Classes	PG*	Label	Additional Information
DOT Classification	Not regulated	-	-	-	-	-
TDG Classification	Not regulated	-	-	-	-	-
Mexico Classification	Not regulated	-	-	-	-	-
ADR / RID Class	Not regulated	-	-	-	-	-
IMDG Class	Not regulated	-	-	-	-	-
IATA-DGR Class	Not regulated	-	-	-	-	-

**U.S. Department of Transportation Ground (49 CFR)**

<b>Proper shipping name:</b>	Not regulated
<b>Hazard class or division:</b>	None
<b>Identification number:</b>	None

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Replaces Version:

**Packing group:** None

**International Air Transportation (ICAO/IATA)**

**Proper shipping name:** Not regulated

**Hazard class or division:** None

**Identification number:** None

**Packing group:** None

**Water Transportation (IMO/IMDG)**

**Proper shipping name:** Not regulated

**Hazard class or division:** None

**Identification number:** None

**Packing group:** None

**SECTION 15. REGULATORY INFORMATION**

**United States Regulatory Information**

**TSCA 8 (b) Inventory Status:** All components are listed or are exempt from listing on the Toxic Substances Control Act Inventory

**TSCA 12 (b) Export Notification:** None above reporting de minimus

**CERCLA / SARA Section 302 EHS:** None above reporting de minimus

**CERCLA / SARA Section 311/312:** Immediate health

**CERCLA / SARA 313:** None above reporting de minimus

**California Proposition 65:** No California Proposition 65 listed chemicals are known to be present. No California Proposition 65 listed chemicals are known to be present

**Canada Regulatory Information**

**CEPA DSL / NDSL Status:** All components are listed on or exempt from listing on the Canadian Domestic Substances List.

**WHMIS hazard class:** Not controlled

**SECTION 16. OTHER INFORMATION**

This material safety data sheet contains changes from the previous version in sections:

**Prepared by:** Chemical Laboratory

**Issue date:** June 1, 2015

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