

## Safety Data Sheet

Material Name: Pipe Choke System, PCS

### \*\*\* Section 1 - Product and Company Identification \*\*\*

#### Manufacturer Information

Nelson Firestop  
9810 E. 42nd St. Suite 102  
Tulsa, OK 74146-3636

Phone: (918) 627-5530/(800) 331-7325

Emergency # 1-800-424-9300 CHEMTREC

### \*\*\* Section 2 - Hazards Identification \*\*\*

#### GHS Classification:

Acute Toxicity - Oral Category 4  
Acute Toxicity - Dermal Category 4  
Acute Toxicity - Inhalation Category 4  
Skin Corrosion/Irritation - Category 2  
Eye Damage/Irritation - Category 2B  
Specific Target Organ Toxicity - Single Exposure Category 3  
Hazardous to the Aquatic Environment Acute – Category 3

#### GHS LABEL ELEMENTS

##### Symbol(s)



##### Signal Word

Warning

##### Hazard Statements

Harmful if swallowed, in contact with skin or inhaled.  
Causes skin and eye irritation.  
May cause respiratory irritation.  
Harmful to aquatic life.

##### Precautionary Statements

###### Prevention

Wash thoroughly after handling.  
Do not eat, drink or smoke when using this product.  
Avoid breathing dusts, fumes, vapors or mists.  
Use only outdoors or in a well-ventilated area.  
Wear protective gloves/protective clothing/eye protection/face protection.  
Avoid release to the environment.

# Safety Data Sheet

**Material Name: Pipe Choke System, PCS**

## Response

If swallowed: Call a poison center or doctor/physician if you feel unwell. Rinse mouth.

If on skin: Wash with plenty of soap and water. If skin irritation occurs: Get medical advice/attention. Take off contaminated clothing and wash before reuse.

If inhaled: Remove victim to fresh air and keep at rest in a position comfortable for breathing. Call a poison center or doctor/physician if you feel unwell.

If in eyes: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. If eye irritation persists: Get medical advice/attention.

## Storage

Store in a well-ventilated place. Keep container tightly closed.

## Disposal

Dispose of contents/container in accordance with local/regional/national/international regulations.

### \* \* \* Section 3 - Composition / Information on Ingredients \* \* \*

CAS #	Component	Percent
108-78-1	Melamine Crystal	23-27
9003-29-6	Polybutene	14-16
68333-79-9	Polyphosphoric Acid, Ammonium Salt	14-16
115-77-5	Pentaerythritol	14-16
N/A	Petroleum Lubricating Grease	14-15
7782-42-5	Graphite	9-12
7429-90-5	Aluminum	<5

### \* \* \* Section 4 - First Aid Measures \* \* \*

#### First Aid: Eyes

If fumes or particulates generated from the product contaminate the eyes, open victim's eyes while under gently running water. Use sufficient force to open eyelids. Have the contaminated individual "roll" eyes. The recommended minimum flushing time is 15 minutes. Seek medical attention if any adverse effect occurs.

#### First Aid: Skin

Treat victim and seek medical attention if adverse reaction occurs.

#### First Aid: Ingestion

If the material is swallowed, get immediate medical attention or advice. Do not induce vomiting unless directed to do so by medical personnel.

#### First Aid: Inhalation

If fumes or particulates generated from the product are inhaled, remove victim to fresh air. If adverse effect occurs after removal to fresh air, seek medical attention.

### \* \* \* Section 5 - Fire Fighting Measures \* \* \*

#### General Fire Hazards

See Section 9 for Flammability Properties.

This product is not combustible and does not contribute to the intensity of a fire.

# Safety Data Sheet

Material Name: Pipe Choke System, PCS

## Hazardous Combustion Products

When involved in a fire, this material may decompose and produce irritating vapors, acrid smoke, and toxic gases (e.g., carbon oxides).

## Extinguishing Media

Use Dry Chemical, Carbon Dioxide (CO<sub>2</sub>), Foam, Halon, Water Spray, or Water Fog.

## Unsuitable Extinguishing Media

None

## Fire Fighting Equipment/Instructions

Firefighters should wear full protective gear.

## \* \* \* Section 6 - Accidental Release Measures \* \* \*

### Recovery and Neutralization

Stop the flow of material, if this is without risk.

### Materials and Methods for Clean-Up

Due to the nature of this product, no special accidental release measures are normally required.

### Emergency Measures

Isolate area. Keep unnecessary personnel away.

### Personal Precautions and Protective Equipment

Wear appropriate protective equipment and clothing during clean-up.

### Environmental Precautions

None

### Prevention of Secondary Hazards

None

## \* \* \* Section 7 - Handling and Storage \* \* \*

### Handling Procedures

If during the use of this product, vapors are generated during heating, avoid breathing the vapors or skin or eye contact with the vapors.

### Storage Procedures

Store this product in a cool, dry location, away from sources of intense heat. Store away from incompatible materials.

### Incompatibilities

Strong acids, mineral acids and strong oxidizers.

## \* \* \* Section 8 - Exposure Controls / Personal Protection \* \* \*

### Component Exposure Limits

#### Pentaerythritol (115-77-5)

ACGIH: 10 mg/m<sup>3</sup> TWA

OSHA: 15 mg/m<sup>3</sup> TWA (total dust); 5 mg/m<sup>3</sup> TWA (respirable fraction)

NIOSH: 10 mg/m<sup>3</sup> TWA (total dust); 5 mg/m<sup>3</sup> TWA (respirable dust)

# Safety Data Sheet

Material Name: Pipe Choke System, PCS

## Engineering Measures

No special ventilation and engineering controls are required for use of this product.

## Personal Protective Equipment: Respiratory

If airborne concentrations are above the applicable exposure limits, use NIOSH approved respiratory protection.

## Personal Protective Equipment: Hands

Wear Neoprene Rubber gloves for routine industrial use.

## Personal Protective Equipment: Eyes

No special eye protection is required for use of this product. Wear safety glasses or goggles if during use of this product operations may produce flying debris or particulates.

## Personal Protective Equipment: Skin and Body

Use body protection appropriate for task.

## \* \* \* Section 9 - Physical & Chemical Properties \* \* \*

<b>Appearance:</b>	Steel Collar w/ intumescent insert	<b>Odor:</b>	Mild petroleum
<b>Physical State:</b>	Solid	<b>pH:</b>	NA
<b>Vapor Pressure:</b>	NA	<b>Vapor Density:</b>	ND
<b>Boiling Point:</b>	>500°C (932°F)	<b>Melting Point:</b>	>1000°C (1832°F)
<b>Solubility (H2O):</b>	Insoluble	<b>Specific Gravity:</b>	1.47 @ 20°C
<b>Evaporation Rate:</b>	NA	<b>VOC:</b>	ND
<b>Octanol/H2O Coeff.:</b>	NA	<b>Flash Point:</b>	NA
<b>Flash Point Method:</b>	NA	<b>Upper Flammability Limit (UFL):</b>	NA
<b>Lower Flammability Limit (LFL):</b>	NA	<b>Burning Rate:</b>	NA
<b>Auto Ignition:</b>	NA		

## \* \* \* Section 10 - Chemical Stability & Reactivity Information \* \* \*

### Chemical Stability

This is a stable material.

### Hazardous Reaction Potential

Will not occur.

### Conditions to Avoid

Avoid exposure or contact to extreme temperatures and incompatible chemicals.

### Incompatible Products

Strong acids, mineral acids and strong oxidizers.

### Hazardous Decomposition Products

Thermal decomposition can generate carbon oxides.

## \* \* \* Section 11 - Toxicological Information \* \* \*

### Acute Toxicity

### Component Analysis - LD50/LC50/TCLo

#### Polybutenes (9003-29-6)

Inhalation-Rat 700 mg/m<sup>3</sup>/7 hrs/2 wks

# Safety Data Sheet

**Material Name: Pipe Choke System, PCS**

**Melamine (108-78-1)**

Oral LD50 Rat 3161 mg/kg; Dermal LD50 Rabbit >1000 mg/kg

**Pentaerythritol (115-77-5)**

Oral LD50 Rat 19,500 mg/kg

**Potential Health Effects: Skin Corrosion Property/Stimulativeness**

Skin contact with this product is not expected to present significant health hazards.

**Potential Health Effects: Eye Critical Damage/ Stimulativeness**

Eye contact should not normally present a significant health hazard. In event of the generation of particulates, stinging, tearing, and redness from mechanical irritation could result.

**Potential Health Effects: Ingestion**

Harmful if swallowed.

**Potential Health Effects: Inhalation**

Breathing airborne particulates, if generated during use of this product this product may irritate the nose, throat, or respiratory system. Symptoms of such exposure could include coughing and sneezing. Symptoms are generally alleviated when exposure ends.

**Respiratory Organs Sensitization/Skin Sensitization**

The components of this product are not known to be SKIN OR RESPIRATORY sensitizers.

**Generative Cell Mutagenicity**

This product is not reported to produce mutagenic effects in humans.

**Carcinogenicity**

**A: General Product Information**

This product is not reported to have any carcinogenic effects.

**B: Component Carcinogenicity**

**Melamine (108-78-1)**

IARC: Monograph 73 [1999] (overall evaluation downgraded from 2B to 3 with supporting evidence from other relevant data); Supplement 7 [1987] (Group 3 (not classifiable))

**Reproductive Toxicity**

This product is not reported to have any reproductive effects.

**Specified Target Organ General Toxicity: Single Exposure**

May cause respiratory irritation.

**Specified Target Organ General Toxicity: Repeated Exposure**

This product is not reported to have any repeat exposure specific target organ toxicity effects.

**Aspiration Respiratory Organs Hazard**

This product is not reported to have any aspiration hazard effects.

# Safety Data Sheet

Material Name: Pipe Choke System, PCS

## \*\*\* Section 12 - Ecological Information \*\*\*

### Ecotoxicity

#### A: General Product Information

This product may be harmful to contaminated plant and animal-life (especially if large quantities are released).

This product may be harmful to contaminated aquatic plant and animal life.

#### B: Component Analysis - Ecotoxicity - Aquatic Toxicity

##### Melamine (108-78-1)

###### Test & Species

96 Hr LC50 Poecilia reticulata	>3000 mg/L
96 Hr EC50 Scenedesmus pannonicus	940 mg/L
48 Hr EC50 Daphnia magna	>2000 mg/L

###### Conditions

##### Pentaerythritol (115-77-5)

###### Test & Species

48 Hr LC50 Oryzias latipes	50000 mg/L [semi- static]
24 Hr EC50 Daphnia magna	38900 mg/L
48 Hr EC50 Daphnia magna	30477 - 37043 mg/L [Static]

###### Conditions

### Persistence/Degradability

This product will persist in the environment.

### Bioaccumulation

No information available for the product.

### Mobility in Soil

No information available for the product.

## \*\*\* Section 13 - Disposal Considerations \*\*\*

### Waste Disposal Instructions

See Section 7 for Handling Procedures. See Section 8 for Personal Protective Equipment recommendations.

### Disposal of Contaminated Containers or Packaging

Dispose of contents/container in accordance with local/regional/national/international regulations.

# Safety Data Sheet

Material Name: Pipe Choke System, PCS

## \*\*\* Section 14 - Transportation Information \*\*\*

### DOT Information

Shipping Name: Not Regulated

## \*\*\* Section 15 - Regulatory Information \*\*\*

### Regulatory Information

#### US Federal Regulations

#### Component Analysis

None of this products components are listed under SARA Section 302 (40 CFR 355 Appendix A), SARA Section 313 (40 CFR 372.65), or CERCLA (40 CFR 302.4).

#### State Regulations

#### Component Analysis - State

The following components appear on one or more of the following state hazardous substances lists:

Component	CAS	CA	MA	MN	NJ	PA	RI
Melamine	108-78-1	No	Yes	No	No	Yes	No
Pentaerythritol	115-77-5	No	Yes	Yes	Yes	Yes	No

#### Component Analysis - WHMIS IDL

The following components are identified under the Canadian Hazardous Products Act Ingredient Disclosure List:

Component	CAS #	Minimum Concentration
Melamine	108-78-1	1 %

#### Additional Regulatory Information

#### Component Analysis - Inventory

Component	CAS #	TSCA	CAN	EEC
Melamine	108-78-1	Yes	DSL	EINECS
Pentaerythritol	115-77-5	Yes	DSL	EINECS
Polybutene	9003-29-6	Yes	DSL	No

## \*\*\* Section 16 - Other Information \*\*\*

### Key/Legend

EPA = Environmental Protection Agency; TSCA = Toxic Substance Control Act; ACGIH = American Conference of Governmental Industrial Hygienists; IARC = International Agency for Research on Cancer; NIOSH = National Institute for Occupational Safety and Health; NTP = National Toxicology Program; OSHA = Occupational Safety and Health Administration., NJTSR = New Jersey Trade Secret Registry.

# Safety Data Sheet

**Material Name: Pipe Choke System, PCS**

## Literature References

None

## Other Information

The information contained herein is based on data considered accurate. However, no warranty is expressed or implied regarding the accuracy of these data or the results to be obtained from the use thereof. Nelson EGS assumes no responsibility for injury to the vendee or third persons proximately caused by the material if reasonable safety procedures are not adhered to as stipulated in the data sheet. Additionally, Nelson EGS assumes no responsibility for injury to vendee or third persons proximately caused by abnormal use of the material even if reasonable safety procedures are followed. Furthermore, vendee assumes the risk in his use of the material.

End of Sheet