

## 1. IDENTIFICATION

**Product Identifier**

**Product Name** PENPOWER 120L

**Recommended use of the chemical and restrictions on use**

**Recommended use** Vehicle wash – powdered, alkali builder  
**Restrictions on use** For commercial or industrial use only

**Supplier details**

West Penetone Inc.  
 11411-160 Street  
 Edmonton, AB,  
 T5M3T7  
 Tel: 780-454-3919

**Emergency Telephone Number**

Canutec (613)-996-6666

## 2. HAZARDS IDENTIFICATION

**Classification**

Acute toxicity, oral	Category 4
Acute toxicity, inhalation – dust/mist	Category 4
Skin corrosion/irritation	Category 1
Serious eye damage/eye irritation	Category 1
Carcinogenicity	Category 2
Specific target organ toxicity – single exposure	Category 3

**Label Elements**

**DANGER**

**Hazard Statements**

Harmful if swallowed  
 Harmful if inhaled  
 Causes severe skin burns and eye damage  
 Suspected of causing cancer  
 May cause respiratory irritation



**Precautionary Statements - Prevention**

Obtain special instructions before use.  
 Do not handle until all safety precautions have been read and understood.  
 Do not breathe dusts or mists.  
 Wash face, hands and any exposed skin thoroughly after handling.  
 Do not eat, drink, or smoke when using this product.  
 Use only outdoors or in a well-ventilated area.  
 Wear protective gloves/protective clothing/eye protection/face protection.

**Precautionary Statements - Response**

IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. Immediately call a POISON CENTER or doctor/physician.  
 IF ON SKIN (or hair): Take off immediately all contaminated clothing. Rinse skin with water. Wash contaminated clothing before reuse.  
 IF INHALED: Remove person to fresh air and keep comfortable for breathing. Immediately call a POISON CENTER or doctor/physician.  
 IF SWALLOWED: Rinse mouth. Do NOT induce vomiting. Immediately call a POISON CENTER or doctor/physician.  
 If exposed or concerned: get medical advice/attention.

**Precautionary Statements - Storage**

Store in a well ventilated place. Keep container tightly closed. Store locked up.

**Precautionary Statements - Disposal**

Dispose of contents/container to an approved waste disposal plant according to local, provincial/federal regulations.

### 3. COMPOSITION / INFORMATION ON INGREDIENTS

Chemical Name	CAS-No	Weight %
sodium carbonate	497-19-8	30-60
sodium metasilicate	6834-92-0	10-30
sodium tripolyphosphate	7758-29-4	7-13
trisodium nitrilotriacetic acid	5064-31-3	5-10
sodium hydroxide	1310-73-2	3-7
sodium alkyl naphthalene sulfonate	9084-06-4	0.5-1.5

### 4. FIRST AID MEASURES

**Eye contact**

Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. Immediately call a POISON CENTER or doctor/physician.

**Skin contact**

Take off immediately all contaminated clothing. Rinse skin with water. Wash contaminated clothing before reuse.

**Inhalation**

Remove person to fresh air and keep comfortable for breathing. Immediately call a POISON CENTER or doctor/physician.

**Ingestion**

Rinse mouth. Do NOT induce vomiting. Immediately call a POISON CENTER or doctor/physician.

**Most important symptoms and effects, both acute and delayed**

Contact with eyes may cause serious corneal damage or injury leading to irritation, discomfort or pain, excess blinking and tear production with marked excess redness and swelling of the conjunctiva, blurred vision, and possible blindness. Contact with skin may cause irritation or burns with local redness or blistering. Inhalation of dust may cause respiratory tract irritation leading to a temporary burning sensation of the nose and throat, coughing, and difficulty breathing. Ingestion may cause irritation or a burning sensation of the mouth and throat and abdominal pain. See Section 2 for possible delayed effects.

**Indication of any immediate medical attention and special treatment needed**

Treat symptomatically.

### 5. FIRE-FIGHTING MEASURES

**Suitable Extinguishing Media**

Use extinguishing measures that are appropriate to local circumstances and the surrounding environment.

**Unsuitable Extinguishing Media**

None.

**Specific hazards arising from the chemical**

During fire, gases hazardous to health may be formed including oxides of carbon, nitrogen, phosphorous, silicon, sodium, and sulfur and other irritating gases.

**Protective Equipment and Precautions for Firefighter**

As in any fire, wear self-contained breathing apparatus pressure-demand, MSHA/NIOSH (approved or equivalent) and full protective gear.

### 6. ACCIDENTAL RELEASE MEASURES

**Personal precautions, protective equipment and emergency procedures**

Use personal protective equipment. Avoid dust formation. Sweep up to prevent slipping hazard.

**Environmental Precautions**

Avoid flushing product into drains/surface waters/groundwater.

**Methods and material for containment and cleaning up**

Sweep up with broom and keep in suitable, closed containers for disposal. Following product recovery, flush contaminated area with water.

## 7. HANDLING AND STORAGE

**Precautions for Safe Handling**

**Handling** Avoid contact with skin and eyes.

**Conditions for safe storage, including any incompatibilities**

**Storage** Store locked up away from incompatible materials.

**Incompatible Materials** Acids, strong oxidizing agents, amphoteric or light metals.

## 8. EXPOSURE CONTROLS / PERSONAL PROTECTION

**Control parameters**

Only constituents with exposure limits are listed. Any constituent not listed has no known exposure limit.

Chemical Name	ACGIH TLV	OSHA PEL	NIOSH IDLH
sodium metasilicate 6834-92-0	TWA: 2 mg/m <sup>3</sup>	Not available	Not available
sodium hydroxide 1310-73-2	2 mg/m <sup>3</sup> ceiling	2 mg/m <sup>3</sup> ceiling	10 mg/m <sup>3</sup>

**Appropriate engineering controls**

**Engineering Controls** Ensure adequate ventilation, especially in confined areas.

**Individual protection measures, such as personal protective equipment**

**Eye/face Protection** Safety glasses with side shields or goggles.

**Skin and body protection** Wear protective gloves and protective clothing.

**Respiratory Protection** Respiratory protection if ventilation is inadequate or in case of dust release.

**General Hygiene Considerations** Handle in accordance with good industrial hygiene and safety practice. Routinely wash work clothing to remove contaminants.

## 9. PHYSICAL AND CHEMICAL PROPERTIES

**APPEARANCE :**

Beige powder

**ODOR**

None

**ODOR THRESHOLD :**

Not applicable

**pH :**

12.8-12.9 (5% w/v solution)

**MELTING POINT / FREEZING POINT :**

Not applicable

**BOILING POINT/BOILING RANGE :**

Not available

**FLASH POINT :**

None

**EVAPORATION RATE, water = 1 :**

Not applicable

**FLAMMABILITY (SOLID, GAS):**

Not applicable

**VAPOR PRESSURE, mm Hg AT 20°C :**

Not applicable

**VAPOR DENSITY (Air = 1) :**

Not applicable

**RELATIVE DENSITY AT 20°C:**

Not applicable

**SOLUBILITY IN WATER :**

Complete

**PARTITION COEFFICIENT, N-OCTANOL/WATER :**

Not available

**AUTO-IGNITION TEMPERATURE :**

None

**DECOMPOSITION TEMPERATURE:**

Not available

**VISCOSITY:**

Not available

**FLAMMABLE LIMITS :**

**UPPER:** Not applicable **LOWER :** Not applicable

**10. STABILITY AND REACTIVITY****Reactivity**

Not reactive.

**Chemical Stability**

Stable under normal conditions.

**Possibility of hazardous reactions**

Under normal conditions of storage and use, hazardous reactions will not occur.

**Conditions to Avoid**

Store away from incompatible materials.

**Incompatible Materials**

Acids, strong oxidizing agents, amphoteric or light metals.

**Hazardous decomposition products**

Under normal conditions of storage and use, hazardous decomposition products should not be produced. Thermal decompositions can lead to release of irritating gases and vapors such as oxides of carbon, nitrogen, phosphorous, silicon, sodium, and sulfur.

**11. TOXICOLOGICAL INFORMATION****Acute toxicity****ATE<sub>mix</sub>** – LD50 oral – approx.  $\geq 1603$ mg/kg (rat), LD50 dermal – approx.  $\geq 2838$ mg/kg (rabbit), LC50 inhalation-dust – approx.  $\geq 2980$ mg/m<sup>3</sup> – 2 h (rat)

Chemical Name	LD50 Oral	LD50 Dermal	LC50 Inhalation
sodium carbonate 497-19-8	2800 mg/kg (rat)	>2000 mg/kg (rabbit)	2.3 mg/L (rat)
sodium metasilicate 6834-92-0	600 mg/kg (rat)	Not listed	Not listed
sodium tripolyphosphate 7758-29-4	3100 mg/kg (rat)	>7940 mg/kg (rabbit)	Not listed
trisodium nitrilotriacetic acid 5064-31-3	1740 mg/kg (rat)	Not listed	Not listed
sodium hydroxide 1310-73-2	500 mg/kg (rabbit)	1350 mg/kg (rabbit)	Not listed
sodium alkyl naphthalene sulfonate 9084-06-4	>2000 mg/kg (rat)	>2000 mg/kg (rat)	Not listed

**Information on likely sources of exposure**

<b>Serious eye damage/irritation</b>	Causes serious eye damage.
<b>Skin corrosion/irritation</b>	Causes skin irritation and possible burn lesions.
<b>Ingestion</b>	May be harmful if swallowed.
<b>Inhalation</b>	May be harmful if inhaled.

**Delayed and immediate effects and also chronic effects from short and long-term exposure**

<b>Respiratory or skin sensitization</b>	Not a sensitizer.	
<b>Germ cell mutagenicity</b>	None known.	
<b>Carcinogenicity</b>	trisodium nitrilotriacetate (CAS 5064-31-3)	2B Possibly carcinogenic to humans
<b>Reproductive toxicity</b>	No information available	
<b>STOT - single exposure</b>	Contain materials which may cause respiratory irritation if inhaled.	
<b>STOT-repeated exposure</b>	No information available.	
<b>Aspiration Hazard</b>	None	

**Symptoms related to the physical, chemical and toxicological characteristics**

Eye damage. Skin irritation, reddening, and possible burn lesions. Coughing, chest pains, or difficulty breathing. See Section 2 for further characteristics.

**12. ECOLOGICAL INFORMATION****Ecotoxicity**

If available, ecotoxicity values of individual components are shown below. Toxicity of product is primarily associated with pH.

Chemical Name	Fish	Waterflea	Algae
sodium carbonate 497-19-8	300 mg/L: 96 h bluegill sunfish	227-1200 mg/L: 48 h ceriodaphnia EC50	Not available
sodium tripolyphosphate 7758-29-4	1650 mg/L: 48 h leuciscus idus LC50	Not available	Not available
trisodium nitrilotriacetic acid 5064-31-3	127 mg/L: 96 h pimephales promelas LC50	560-1000 mg/L: 48 h daphnia magna EC50	>100 mg/L: 72 h desmodesums subspicatus
sodium hydroxide 1310-73-2	1149 mg/L: 96 h rainbow trout LC50	Not available	Not available
sodium alkyl naphthalene sulfonate 9084-06-4	>100 mg/L: 96 h brachydanio rerio LC50	Not available	Not available

**Persistence and degradability**

Not applicable to inorganic materials.

**Bioaccumulative potential**

Accumulation in organisms is not to be expected.

**Mobility in soil**

Inorganic substances will dissociate into ions.

**Other adverse effects**

Do not release untreated into natural waters. No other adverse environmental effects are expected.

**13. DISPOSAL CONSIDERATIONS****Waste Disposal Method**

Dispose of in accordance with local regulations.

**Contaminated Packaging**

Empty containers should be taken for local recycling, recovery or waste disposal.

**14. TRANSPORT INFORMATION****TDG classification**

UN 3262, Corrosive Solid, Basic, Inorganic, N.O.S. (contains sodium metasilicate), Class 8, PG III

**15. REGULATORY INFORMATION**

All ingredients are listed on the DSL

**16. OTHER INFORMATION****Preparation Date**

16 November, 2016

**Revision Date**

not applicable

**Revision Note**

not applicable

**Disclaimer**

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End of SDS