

## 1. IDENTIFICATION

**Product Identifier**

**Product Name** ONE SHOT LAUNDRY POWDER

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

**Recommended use** Laundry detergent - powdered  
**Restrictions on use** For 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 2
Serious eye damage/eye irritation	Category 1
Carcinogenicity	Category 2
Specific target organ toxicity – single exposure	Category 3
Hazardous to the aquatic environment, acute hazard	Category 3
Hazardous to the aquatic environment, long-term hazard	Category 3

**Label Elements**

**DANGER**

**Hazard Statements**

Harmful if swallowed  
Harmful if inhaled  
Causes skin irritation  
Causes serious eye damage  
Suspected of causing cancer  
May cause respiratory irritation  
Toxic to aquatic life  
Harmful to aquatic life with long lasting effects



**Precautionary Statements - Prevention**

Obtain special instructions before use.  
Do not handle until all safety precautions have been read and understood.  
Avoid breathing dust.  
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.  
Avoid release to the environment.  
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: Wash with plenty of water. If skin irritation or rash occurs, get medical advice/attention. Take off contaminated clothing and wash it before re-use.

IF INHALED: Remove person to fresh air and keep comfortable for breathing. Call a POISON CENTER or doctor/physician if you feel unwell.

IF SWALLOWED: Rinse mouth. Call a POISON CENTER or doctor/physician if you feel unwell.

IF exposed or concerned: Get medical advice/attention.

**Precautionary Statements - Storage**

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 dodecylbenzene sulfonate	25155-30-0	1-5
sodium tripolyphosphate	7758-29-4	1-5
alcohols, C9-C11, ethoxylated	68439-46-3	1-5
poly(oxy-1,2-ethanediyl),alpha-undecyl-omega-hydroxy-	34398-01-1	1-5
trisodium nitrilotriacetic acid	5064-31-3	1-5
tetrapotassium pyrophosphate	7320-34-5	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**

Wash with plenty of water. If skin irritation or rash occurs, get medical advice/attention. Take off contaminated clothing and wash it before re-use. Call a POISON CENTER or doctor/physician if you feel concerned or unwell.

**Inhalation**

Remove person to fresh air and keep comfortable for breathing. Call a POISON CENTER or doctor/physician if you feel concerned or unwell.

**Ingestion**

Rinse mouth. Do NOT induce vomiting. Call a POISON CENTER or doctor/physician if you feel unwell.

**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, and blurred vision. Contact with skin may cause irritation with local redness. 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, potassium, phosphorous, silicon, sodium, and sulfur and other irritating gases.

#### **Protective Equipment and Precautions for Firefighters**

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. Do not handle until all safety precautions or special instructions have been read and understood.

#### **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

#### **Appropriate engineering controls**

**Engineering Controls** Under the intended modes of handling and use, exposure control measures are not required.

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

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

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

**Respiratory Protection** No personal respiratory equipment normally required.

**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 :**

White powder

#### **ODOR**

Detergent

#### **ODOR THRESHOLD :**

Not applicable

#### **VAPOR PRESSURE, mm Hg AT 20°C :**

Not applicable

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

Not applicable

#### **RELATIVE DENSITY AT 20°C:**

Not applicable

<b>pH :</b> 10.5 (1% w/v solution)	<b>SOLUBILITY IN WATER :</b> Complete
<b>MELTING POINT / FREEZING POINT :</b> Not applicable	<b>PARTITION COEFFICIENT, N-OCTANOL/WATER :</b> Not available
<b>BOILING POINT/BOILING RANGE :</b> Not available	<b>AUTO-IGNITION TEMPERATURE :</b> None
<b>FLASH POINT :</b> None	<b>DECOMPOSITION TEMPERATURE:</b> Not available
<b>EVAPORATION RATE, water = 1 :</b> Not applicable	<b>VISCOSITY:</b> Not available
<b>FLAMMABILITY (SOLID, GAS):</b> Not applicable	<b>FLAMMABLE LIMITS :</b> <b>UPPER:</b> Not applicable <b>LOWER :</b> 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.  $\geq 1567$ mg/kg (rat), LD50 dermal – approx.  $\geq 2455$ mg/kg (rabbit), LC50 inhalation-dust – approx.  $\geq 2368$ 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 dodecylbenzene sulfonate 25155-30-0	500-2000 mg/kg (rat)	Not listed	Not listed
sodium tripolyphosphate 7758-29-4	3100 mg/kg (rat)	>7940 mg/kg (rabbit)	Not listed
alcohols, C9-C11, ethoxylated 68439-46-3	>2000 mg/kg (rat)	>2000 mg/kg (rabbit)	Not listed
poly(oxy-1,2-ethanediyl), alpha-undecyl-omega-hydroxy- 34398-01-1	>2000 mg/kg (rat)	>2000 mg/kg (rabbit)	Not listed
tetrapotassium pyrophosphate 7320-34-5	2444 mg/kg	4640 mg/kg (rabbit)	Not listed
trisodium nitrilotriacetic acid 5064-31-3	1740 mg/kg (rat)	Not listed	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.
<b>Ingestion</b>	May be harmful if swallowed.
<b>Inhalation</b>	Expected to be a low inhalation hazard under the intended modes of use.

### 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. 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 dodecylbenzene sulfonate 25155-30-0	3.2-5.6 mg/L: 96 h rainbow trout LC50	6.3 mg/L: 48 h daphnia magna EC50	Not available
sodium tripolyphosphate 7758-29-4	1650 mg/L: 48 h leuciscus idus LC50	Not available	Not available
alcohols, C9-C11, ethoxylated 68439-46-3	5-10 mg/L: 96 h LC50	5-10 mg/L: 48 h EC50	10-100 mg/L: 72 h EC50
poly(oxy-1,2-ethanediyl), alpha-undecyl-omega-hydroxy- 34398-01-1	5-10 mg/L: 96 h LC50	5-10 mg/L: 48 h EC50	10-100 mg/L: 72 h EC50
tetrapotassium pyrophosphate 7320-34-5	>100 mg/L: 96 h rainbow trout 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

**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**

Not regulated

**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**

The information provided on this MSDS is correct to the best of our knowledge, information and belief at the date of its publication. The information given is designed only as a guide for safe handling, use, processing, storage, transportation, disposal and release and is not to be considered as a warranty or quality specification. The information relates only to the specific material designated and may not be valid for such material used in combination with any other material or in any process, unless specified in the text.

End of SDS