

## 1. IDENTIFICATION

### Product Identifier

**Product Name** DUOPOWER  
**Chemical Name** Alkaline detergent powder

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

**Recommended use** Vehicle wash  
**Restrictions on use** For industrial use only

### Supplier details

West Penetone Inc. 10900 Rue Secant  
Anjou, QC  
H1J 1S5  
Tel: 514-355-4660

### Emergency Telephone Number

514-355-4660 (Mon – Fri, 8 AM – 4:30 PM, Eastern time)  
780-454-3919 (Mon – Fri, 8 AM – 4:30 PM, Mountain time)

## 2. HAZARDS IDENTIFICATION

### Classification

Skin corrosion/irritation	Category 1
Serious eye damage/eye irritation	Category 1
Specific Target Organ Toxicity: Single Exposure (Respiratory Systems)	Category 3

### Label Elements

#### DANGER

#### Hazard Statements

Causes severe skin burns and eye damage.  
Causes serious eye damage.  
May cause respiratory irritation.



### Precautionary Statements - Prevention

Do not breathe dust.  
Wash face, hands, and any exposed skin thoroughly after handling.  
Wear protective gloves, protective clothing, eye protection, and face protection.

### Precautionary Statements - Response

IF SWALLOWED: Rinse mouth. Do NOT induce vomiting. Immediately call a POISON CENTER or doctor/physician.  
IF ON SKIN (or hair): Take off Immediately all contaminated clothing. Rinse SKIN with water/shower. Wash contaminated clothing before reuse. Immediately call a POISON CENTER or doctor/physician.  
IF INHALED: Remove victim to fresh air and keep at rest in a position comfortable for breathing. Immediately call a POISON CENTER or doctor/physician.  
IF IN EYES: rinse cautiously with water for several minutes. Remove contact lenses if present and easy to do so. Continue rinsing. Immediately call a POISON CENTER or physician.

### Precautionary Statements - Storage

Store locked up in a closed, corrosion resistant container.

### 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 %
Pentasodium triphosphate	7758-29-4	45 – 70*
sodium metasilicate	6834-92-0	15 – 40*
Alpha olefin sulfonate	68439-57-6	1 – 5 *

\*Actual concentration is withheld as a trade secret

**4. FIRST AID MEASURES**

<b>Ingestion:</b>	Do not induce vomiting unless directed by medical personnel. Rinse mouth with water and drink 1 or 2 glasses of water and call a POISON CENTER or doctor/physician immediately.
<b>Skin contact:</b>	Take off contaminated clothing and rinse skin with plenty of water. Get medical advice/attention. Wash any contaminated clothing before re-use.
<b>Inhalation:</b>	If difficulties occur after dust has been inhaled, remove person to fresh air and keep comfortable for breathing. Call a POISON CENTER or doctor/physician.
<b>Eye contact:</b>	Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. Call a POISON CENTER or doctor/physician immediately.

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

Contact with eyes may cause serious irritation leading to discomfort or pain, redness, swelling, and blurred vision. Contact with skin may cause severe burns or irritation with local redness. Dust generated from the product may be irritating to the nose, throat, and respiratory tract.

**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, and other irritating gases.

**Protective Equipment and Precautions for Firefighters**

As in any fire, wear self-contained breathing apparatus and full protective gear.

## 6. ACCIDENTAL RELEASE MEASURES

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

Use personal protective equipment.

### Environmental Precautions

Avoid discharge into drains/surface waters/groundwater.

### Methods and material for containment and cleaning up.

Pick up spills using a shovel, dustpan, or vacuum cleaner. Keep in suitable, closed containers for disposal. Following product recovery, flush area with water. Be careful to minimize the amount of dust during clean up.

## 7. HANDLING AND STORAGE

### Precautions for Safe Handling

**Handling:** Avoid contact with skin and eyes. Do not breathe dust

### Conditions for safe storage, including any incompatibilities

**Storage:** Store away from incompatible materials.

**Incompatible Materials:** Strong oxidizing agents and acids.

## 8. EXPOSURE CONTROLS / PERSONAL PROTECTION

### Control parameters

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

### 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:** Wear respiratory protection to avoid breathing dust.

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

**9. PHYSICAL AND CHEMICAL PROPERTIES****APPEARANCE:**

White powder

**ODOR:**

none

**ODOR THRESHOLD:**

Not available

**pH:**

11.5 – 12.5 (1 % w/v solution in water)

**MELTING POINT / FREEZING POINT:**

Not applicable

**BOILING POINT/BOILING RANGE:**

Not applicable

**FLASH POINT:**

None

**EVAPORATION RATE, water = 1**

Not applicable

**FLAMMABILITY (SOLID, GAS):**

Not applicable

**VAPOR PRESSURE, mm Hg AT 20°C:**

Not available

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

Not available

**RELATIVE DENSITY AT 20°C:**

Not applicable

**SOLUBILITY IN WATER:**

Complete

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

Not applicable

**AUTO-IGNITION TEMPERATURE:**

None

**DECOMPOSITION TEMPERATURE:**

Not available

**VISCOSITY:**

Not applicable

**FLAMMABLE LIMITS:****UPPER:** Not applicable    **LOWER:** Not applicable**10. STABILITY AND REACTIVITY****Reactivity**

Stable under normal conditions of storage and use. When dissolved in water, concentrated solutions of the product may react with aluminum, magnesium, zinc, and other soft metal alloys with the generation of hydrogen.

**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**

Strong oxidizing materials and acids.

**Hazardous decomposition products**

Under normal conditions of storage and use, hazardous decomposition products should not be produced. Thermal decomposition can lead to release of irritating gases and vapors.

**11. TOXICOLOGICAL INFORMATION****Acute toxicity**

**ATE<sub>mix</sub>** – LD50 oral >2000 mg/kg, LD50 dermal >2000 mg/kg, LC50 inhalation - not available

Not classified, not an acutely toxic mixture.

Chemical Name	LD50 Oral	LD50 Dermal	LC50 Inhalation
Pentasodium triphosphate CAS 7758-29-4	3120 mg/kg (rat)	>7940 mg/kg (rabbit)	Not listed
Sodium metasilicate CAS 6834-92-0	1280 mg/kg (rat)	Not listed	Not listed
Alpha olefin sulfonate CAS 68439-57-6	>2000 mg/kg (rat)	>2000 mg/kg (rabbit)	Not listed

**Information on likely sources of exposure**

Ingestion	Can cause severe burns to mouth and throat if ingested.
Skin corrosion/irritation	Can cause severe skin burns or skin irritation.
Inhalation	Inhalation may cause respiratory irritation.
Serious eye damage/irritation	Can cause serious eye irritation or eye damage leading to temporary or permanent blindness.

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

Respiratory or skin sensitization	None known.
Germ cell mutagenicity	None known.
Carcinogenicity	None known.
Reproductive toxicity	None known.
STOT - single exposure	Sodium metasilicate dust may cause irritation of the respiratory tract.
Aspiration Hazard	None known.

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

Eye damage, skin burns or skin irritation and respiratory irritation.

**12. ECOLOGICAL INFORMATION****Persistence and degradability**

No information available

**Bioaccumulative potential**

No information available.

**Mobility in soil**

No information available

**Other adverse effects**

Do not release untreated into natural waters.

**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**

Not regulated as a dangerous good.

**15. REGULATORY INFORMATION**

Canada (DSL/NDSL)

All ingredients contained in this product are on the DSL or are exempt.

## 16. OTHER INFORMATION

**Preparation Date**

April 20, 2023

**Revision Date**

July 10, 2025

**Revision Note**

Emergency contact information updated.

**Disclaimer**

The information provided on this SDS 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 Safety Data Sheet**