

## 1. IDENTIFICATION

### Product Identifier

**Product Name** Liquid Dynemate ECO

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

**Recommended use** Chlorinated alkaline cleaner  
**Restrictions on use** Do not mix with acids

### Supplier details

West Penetone Inc.  
10900 Secant  
Montreal, QC,  
H1J 5S1  
Tel: 514-355-4660

### Emergency Telephone Number

West Penetone Inc: (514) 355-4660 8h-17h Monday to Friday  
Poison Control Center (Emergency, 24 H): 1-844-POISON-X or 1-844-764-7669

## 2. HAZARDS IDENTIFICATION

### Classification

|                           |            |
|---------------------------|------------|
| Skin Corrosion/Irritation | Category 1 |
| Eye damage/ irritation    | Category 1 |
| Acute oral toxicity       | Category 5 |
| Corrosive to metals       | Category 1 |

### Label Elements

#### **DANGER**

#### **Hazard Statements**

Causes severe skin burns and eye damage.  
May be corrosive to metals.  
May be harmful if swallowed.



### Precautionary Statements - Prevention

Do not breathe dust/fume/gas/mist/vapors/spray.  
Wash face, hands and any exposed skin thoroughly after handling.  
Wear protective gloves/protective clothing/eye protection/face protection.  
Keep only in original packaging.

### 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): Remove/Take off immediately all contaminated clothing. Rinse skin with water/shower  
Wash contaminated clothing before reuse.  
IF INHALED: Remove person to fresh air and keep at rest in a position 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.  
Absorb spillage to prevent material damage.

**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 % |
|---------------------|-----------|----------|
| Potassium hydroxide | 1310-58-3 | 10-15    |
| Sodium hypochlorite | 7681-52-9 | 1-5      |
|                     |           |          |
|                     |           |          |
|                     |           |          |

**4. FIRST AID MEASURES**

|                     |  |
|---------------------|--|
| <b>Eye contact</b>  | 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. |
| <b>Skin contact</b> | Remove/Take off immediately all contaminated clothing. Rinse skin with water/shower. Wash contaminated clothing before reuse.  |
| <b>Inhalation</b>   | Remove victim to fresh air and keep at rest in a position comfortable for breathing. Immediately call a POISON CENTER or doctor/physician.                                 |
| <b>Ingestion</b>    | Do not induce vomiting. Drink 1 or 2 glasses of water. Call a physician or Poison Control Centre immediately. Never give anything by mouth to an unconscious person.       |

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

Causes burns to eyes, skin and mucous membranes. Symptoms include tingling sensation and / or reddening of tissues.

**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**

The product causes burns of eyes, skin and mucous membranes.

**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

Avoid contact with skin, eyes and clothing. Use personal protective equipment.

### Environmental Precautions

Prevent further leakage or spillage if safe to do so.

### Methods and material for containment and cleaning up

Soak up with inert absorbent material. Keep in suitable, closed containers for disposal.

## 7. HANDLING AND STORAGE

### Precautions for Safe Handling

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

### Conditions for safe storage, including any incompatibilities

**Storage** Keep containers tightly closed in a dry, cool and well-ventilated place.

**Incompatible Materials** Acids

## 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                 |
|----------------------------------|---------------------------|
| Potassium hydroxide<br>1310-58-3 | STEL: 2 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 goggles.

**Skin and body protection** Wear rubber or neoprene gloves, rubber apron and boots.

**Respiratory Protection** If exposure limits are exceeded or if ventilation is inadequate, NIOSH/MSHA approved respiratory protection should be worn.

**General Hygiene Considerations** Handle in accordance with good industrial hygiene and safety practice.

## 9. PHYSICAL AND CHEMICAL PROPERTIES

### **APPEARANCE :**

Clear, light green liquid

### **ODOR**

Faint chlorine

### **ODOR THRESHOLD :**

Not applicable

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

Not applicable

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

Not applicable

### **RELATIVE DENSITY AT 20°C:**

1.26

**pH :**

&gt; 13

**MELTING POINT / FREEZING POINT :**

Not available

**BOILING POINT/BOILING RANGE :**

100 °C

**FLASH POINT :**

None

**EVAPORATION RATE, water = 1 :**

1

**FLAMMABILITY (SOLID, GAS):**

Not applicable

**SOLUBILITY IN WATER :**

Complete

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

Not available

**AUTO-IGNITION TEMPERATURE :**

None

**DECOMPOSITION TEMPERATURE:**

Not available

**VISCOSITY:**

&lt;10 cps

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

Not reactive

**Conditions to Avoid**

Store away from incompatible materials.

**Chemical Stability**

Stable under normal conditions.

**Possibility of hazardous reactions**

Chlorine gas is generated when mixed with acids.

**Incompatible Materials**

Acids

**Hazardous decomposition products**

None

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

| Chemical Name                    | LD50 Oral       | LD50 Dermal       | LC50 Inhalation |
|----------------------------------|-----------------|-------------------|-----------------|
| Potassium hydroxide<br>1310-58-3 | 365 mg/kg (Rat) | No data available | Not applicable  |
| Sodium hypochlorite<br>7681-52-9 | 5.3 g/kg (Rat)  | No data available | Not applicable  |

**Information on likely sources of exposure****Serious eye damage/irritation**

Corrosive to eyes and may cause grave lesions, including blindness.

**Skin corrosion/irritation**

Corrosive to skin.

**Ingestion**

Ingestion may cause burns to the digestive and respiratory tract.

**Inhalation**

Spray mist may cause irritation or burns to respiratory tract.

**Delayed and immediate effects and also chronic effects from short and long-term exposure****Respiratory or skin sensitization**

Not a sensitizer.

**Germ cell mutagenicity**

None known.

**Carcinogenicity**

No listed human carcinogens.

**Reproductive toxicity**

None known.

**STOT - single exposure**

No information available.

**STOT-repeated exposure**

No information available.

**Aspiration Hazard**

None.

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

Symptoms include tingling sensation and / or reddening of tissues, eventually leading to burn lesions.

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

No information available

**Persistence and degradability**

No information available

**Bioaccumulative potential**

None known

**Mobility in soil**

No information available

**Other adverse effects**

None known

**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**

UN3266, CORROSIVE LIQUID, BASIC, INORGANIC N.O.S. (potassium hydroxide), class 8, PG III

**15. REGULATORY INFORMATION**

All ingredients are listed on the DSL

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

January 2, 2017

**Revision Date**

July 1, 2025

**Revision Note**

Updated emergency telephone number and Section 14.

**Disclaimer**

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**End of SDS**