

## 1. IDENTIFICATION

**Product Identifier**

**Product Name** Penblitz 688L  
**Chemical Name** Sodium hydroxide solution

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

**Recommended use** Alkaline cleaner and emulsification aid  
**Restrictions on use** For industrial use only

**Supplier details**

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

**Emergency Telephone Number**

Canutec 1-(613)-996-6666 Internationally or 1-888-226-8832 – North America FOR 24 HOUR TRANSPORT EMERGENCY

## 2. HAZARDS IDENTIFICATION

**Classification**

Corrosive to metals	Category 1
Acute oral toxicity	Category 4
Skin corrosion/irritation	Category 1A
Eye damage/ irritation	Category 1

**Label Elements**

<p><b>DANGER</b></p> <p><b>Hazard Statements</b>                  May be corrosive to metals.                  Harmful if swallowed.                  Causes severe skin burns and eye damage.</p>	
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**Precautionary Statements - Prevention**

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

**Precautionary Statements - Response**

IF SWALLOWED: Rinse mouth. Do NOT induce vomiting. 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 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.  
 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 %
sodium hydroxide	1310-73-2	30-40

**4. FIRST AID MEASURES****Ingestion**

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.

**Skin contact**

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

**Inhalation**

Remove victim to fresh air and keep at rest in a position comfortable for breathing. Immediately call a POISON CENTER or doctor/physician.

**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.

**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. Use recommended personal protective equipment.

### Conditions for safe storage, including any incompatibilities

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

**Incompatible Materials** Acids, aluminum, zinc

## 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 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** Splash proof goggles or face shield.

**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:**

Colorless, viscous liquid

### **ODOR:**

None

### **ODOR THRESHOLD:**

Not applicable

### **VAPOR PRESSURE, mm Hg AT 20°C (68°F):**

Not applicable

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

Not applicable

### **RELATIVE DENSITY AT 20°C (68°F) :**

1.48

**pH:**

&gt; 13.5

**MELTING POINT / FREEZING POINT:**

Not available

**BOILING POINT/BOILING RANGE:**

100 °C (212°F)

**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:**

Not available

**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**

None

**Incompatible Materials**

Acids, aluminum, zinc

**Hazardous decomposition products**

None

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

Chemical Name	LD50 Oral	LD50 Dermal	LC50 Inhalation
sodium hydroxide 1310-73-2	500 mg/kg (Rabbit LDLo)	1350 mg/kg (Rabbit)	Not applicable

**Information on likely sources of exposure****Ingestion**

Ingestion may cause burns to the digestive and respiratory tract.

**Skin corrosion/irritation**

Corrosive to skin.

**Inhalation**

Spray mist may cause irritation or burns to respiratory tract.

**Serious eye damage/irritation**

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

**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 known.

**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**

If available, ecotoxicity values of individual components are shown below. Toxicity due to pH.

Chemical Name	Fish	Waterflea	Algae
sodium hydroxide 1310-73-2	1149 mg/kg: 96 h rainbow trout 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**

No information available

**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**

UN Number: 3266  
UN Proper Shipping Name: Corrosive Liquid, Basic, Inorganic, N.O.S. (sodium hydroxide solution)  
Transport Hazard Class(es)  
Class: TDG: 8  
US DOT: 8  
IMDG: 8  
Label(s): 8  
Packing Group: II  
Marine Pollutant: No  
Special precautions for user: None established  
Transport in bulk according to Annex II of MARPOL73/78 and the IBC Code:  
Not determined

**15. REGULATORY INFORMATION****Canada (DSL/NDSL)**

All ingredients contained in this product are in compliance with the Canadian Environmental Protection Act and are listed on the DSL or are exempt.

**United States (TSCA)**

All ingredients contained in this product are listed on the TSCA inventory or are exempt.

**HMIS Information:**

Health: 3  
Flammability: 0  
Reactivity: 0

**16. OTHER INFORMATION**

**Preparation Date** January 2, 2017  
**Revision Date** 4 May 2018  
**Revision Note** Modifications to Section 1, 7, 11, 14, 15

**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 SDS**