

PRO 100

SECTION 1. IDENTIFICATION

Product Identifier PRO 100
Recommended Use LIQUID LAUNDRY ALKALI.
Restrictions on Use THIS PRODUCT IS FOR INDUSTRIAL USE ONLY. KEEP AWAY FROM CHILDREN.
Manufacturer/Supplier Identifier BBSpro, #270 19358 96TH AVE, SURREY, BC, V4N 4C1, CANADA, BBSpro, (604) 420-4305
Emergency Phone No. BBSpro, 1-899-420-4305
 CANUTEC, (613) 996-6666
SDS No. 0144

SECTION 2. HAZARD IDENTIFICATION

Classified according to Canada's Hazardous Products Regulations (WHMIS 2015) and the US Hazard Communication Standard (HCS 2012).

Classification

Acute toxicity (Oral) - Category 4; Acute toxicity (Dermal) - Category 4; Acute toxicity (Inhalation) - Category 4; Skin corrosion - Category 1; Serious eye damage - Category 1

Label Elements



Signal Word:

Danger

Hazard Statement(s):

H302 + H312 + H332 Harmful if swallowed, in contact with skin or if inhaled.

H318 Causes serious eye damage.

Prevention:

P261 Avoid breathing dust/fume/gas/mist/vapours/spray.

P270 Do not eat, drink or smoke when using this product.

P264 Wash hands and skin thoroughly after handling.

SECTION 3. COMPOSITION/INFORMATION ON INGREDIENTS

Mixture:

| Chemical Name | CAS No. | % | Other Identifiers | Other Names |
|------------------|-----------|-------|-------------------|-------------|
| Sodium hydroxide | 1310-73-2 | 10-40 | | |

SECTION 4. FIRST-AID MEASURES

First-aid Measures

Inhalation

Product Identifier: PRO 100 - Ver. 1

SDS No.: 0144

Date of Preparation:

Date of Last Revision: June 19, 2018

Page 01 of 05

Take precautions to ensure your own safety before attempting rescue (e.g. wear appropriate protective equipment). Move to fresh air. Remove source of exposure or move to fresh air. Keep at rest in a position comfortable for breathing. If breathing is difficult, trained personnel should administer emergency oxygen if advised to do so by Poison Centre or doctor. Avoid mouth-to-mouth contact by using a barrier device. Call a Poison Centre or doctor if you feel unwell.

Skin Contact

Avoid direct contact. Wear chemical protective clothing if necessary. Take off contaminated clothing, shoes and leather goods (e.g. watchbands, belts). Take off immediately contaminated clothing, shoes and leather goods (e.g. watchbands, belts). Quickly and gently blot or brush away excess chemical. Wash with plenty of water. Get medical advice or attention if you feel unwell or are concerned. Clean clothing, shoes and leather goods.

Eye Contact

Avoid direct contact. Wear chemical protective gloves if necessary. Rinse the contaminated eye(s) with lukewarm, gently flowing water for 5 minutes, while holding the eyelid(s) open. Remove contact lenses, if present and easy to do. If eye irritation persists, get medical advice or attention.

Ingestion

Rinse mouth with water. Never give anything by mouth if person is rapidly losing consciousness, or is unconscious or convulsing. Do not induce vomiting. If vomiting occurs naturally, lie on your side in the recovery position. Rinse mouth with water again. Avoid mouth-to-mouth contact by using a barrier device. Call a Poison Centre or doctor if you feel unwell.

First-aid Comments

Get medical advice or attention if you feel unwell or are concerned.

Most Important Symptoms and Effects, Acute and Delayed

May cause moderate to severe irritation.

SECTION 5. FIRE-FIGHTING MEASURES

Extinguishing Media

Suitable Extinguishing Media

Not combustible. Use extinguishing agent suitable for surrounding fire.

Unsuitable Extinguishing Media

Not applicable.

Specific Hazards Arising from the Product

Does not burn.

Not known to generate any hazardous decomposition products in a fire.

SECTION 6. ACCIDENTAL RELEASE MEASURES

Personal Precautions, Protective Equipment, and Emergency Procedures

Emergency responders: get expert advice. Use the personal protective equipment recommended in Section 8 of this safety data sheet.

Environmental Precautions

It is good practice to prevent releases into the environment.

Methods and Materials for Containment and Cleaning Up

No special clean-up methods are necessary.

Other Information

Contact supplier, local fire and emergency services for help.

SECTION 7. HANDLING AND STORAGE

Precautions for Safe Handling

Prevent all skin contact. Do not get in eyes, on skin or on clothing. Do not swallow.

Product Identifier: PRO 100 - Ver. 1

SDS No.: 0144

Date of Preparation:

Date of Last Revision: June 19, 2018

Page 02 of 05

Conditions for Safe Storage

Cool. Keep amount in storage to a minimum. Store in the original, labelled, shipping container.

SECTION 8. EXPOSURE CONTROLS/PERSONAL PROTECTION

Control Parameters

| Chemical Name | ACGIH TLV® | | OSHA PEL | | AIHA WEEL | |
|------------------|------------|---------|----------|---------|-----------|-----|
| | TWA | STEL | TWA | Ceiling | 8-hr TWA | TWA |
| Sodium hydroxide | | 2 mg/m3 | 2 mg/m3 | | | |

OSHA = US Occupational Safety and Health Administration.

Appropriate Engineering Controls

Provide eyewash and safety shower if contact or splash hazard exists.

Individual Protection Measures

Eye/Face Protection

Wear chemical safety goggles and face shield when contact is possible.

Skin Protection

Wear chemical protective clothing e.g. gloves, aprons, boots.

Respiratory Protection

Not required.

SECTION 9. PHYSICAL AND CHEMICAL PROPERTIES

Basic Physical and Chemical Properties

| | |
|--|---|
| Appearance | Red. |
| Odour | Pungent |
| Odour Threshold | Not available |
| pH | ~ 13.1 |
| Melting Point/Freezing Point | Not available (melting); Not available (freezing) |
| Initial Boiling Point/Range | ~ 100 °C (212 °F) |
| Flash Point | Not available |
| Evaporation Rate | Not available |
| Flammability (solid, gas) | Not applicable (liquid). |
| Upper/Lower Flammability or Explosive Limit | Not applicable (upper); Not applicable (lower) |
| Vapour Pressure | Not available |
| Vapour Density (air = 1) | Not available |
| Relative Density (water = 1) | ~ 1.17 |
| Solubility | Soluble in all proportions in water; Not available (in other liquids) |
| Partition Coefficient, n-Octanol/Water (Log Kow) | Not available |
| Auto-ignition Temperature | Not applicable |
| Decomposition Temperature | Not available |
| Viscosity | Not available (kinematic); Not available (dynamic) |

SECTION 10. STABILITY AND REACTIVITY

Reactivity

Not reactive under normal conditions of use.

Chemical Stability

Product Identifier: PRO 100 - Ver. 1

SDS No.: 0144

Date of Preparation:

Date of Last Revision: June 19, 2018

Page 03 of 05

Normally stable.

Possibility of Hazardous Reactions

None expected under normal conditions of storage and use.

Conditions to Avoid

Acidic conditions (low pH).

Incompatible Materials

Oxidizing agents (e.g. peroxides), strong acids (e.g. hydrochloric acid).

Corrosive to: iron, carbon steel.

Hazardous Decomposition Products

None known.

SECTION 11. TOXICOLOGICAL INFORMATION

Information presented below is for the entire product, unless otherwise specified.

Likely Routes of Exposure

Skin contact; eye contact; inhalation; ingestion.

Acute Toxicity

| Chemical Name | LC50 | LD50 (oral) | LD50 (dermal) |
|----------------------|---------------|--------------------|-----------------------|
| Sodium hydroxide | Not available | ~ 2400 mg/kg (rat) | > 2000 mg/kg (rabbit) |

Skin Corrosion/Irritation

May cause moderate or severe irritation based on information for closely related materials.

Serious Eye Damage/Irritation

May cause serious eye damage based on information for closely related materials.

STOT (Specific Target Organ Toxicity) - Single Exposure

Inhalation

May be harmful based on information for closely related materials.

Skin Absorption

May be harmful based on information for closely related materials.

Ingestion

May be harmful based on information for closely related materials.

Aspiration Hazard

May be drawn into the lungs (aspirated) if swallowed or vomited.

STOT (Specific Target Organ Toxicity) - Repeated Exposure

Conclusions cannot be drawn from the limited studies available.

Respiratory and/or Skin Sensitization

No information was located for respiratory sensitization.

Carcinogenicity

Conclusions cannot be drawn from the limited studies available.

Reproductive Toxicity

Development of Offspring

Conclusions cannot be drawn from the limited studies available.

Sexual Function and Fertility

Conclusions cannot be drawn from the limited studies available.

Effects on or via Lactation

Conclusions cannot be drawn from the limited studies available.

Germ Cell Mutagenicity

Product Identifier: PRO 100 - Ver. 1

SDS No.: 0144

Date of Preparation:

Date of Last Revision: June 19, 2018

Page 04 of 05

Conclusions cannot be drawn from the limited studies available.

Interactive Effects

No information was located.

SECTION 12. ECOLOGICAL INFORMATION

Environmental information was not located.

Ecotoxicity

Studies were not located.

Persistence and Degradability

No information was located.

Bioaccumulative Potential

No information was located.

Mobility in Soil

Studies are not available.

Other Adverse Effects

There is no information available.

SECTION 13. DISPOSAL CONSIDERATIONS

Disposal Methods

This section is not required by OSHA HCS 2012.

SECTION 14. TRANSPORT INFORMATION

| Regulation | UN No. | Proper Shipping Name | Transport Hazard Class(es) | Packing Group |
|--------------|--------|---------------------------|----------------------------|---------------|
| Canadian TDG | 1824 | SODIUM HYDROXIDE SOLUTION | 8 | II |

Special Precautions Not applicable

Transport in Bulk According to Annex II of MARPOL 73/78 and the IBC Code

Not applicable

SECTION 15. REGULATORY INFORMATION

Safety, Health and Environmental Regulations

None known.

SECTION 16. OTHER INFORMATION

SDS Prepared By BBSpro

Phone No. 6045138888

Date of Last Revision June 19, 2018

Key to Abbreviations ACGIH® = American Conference of Governmental Industrial Hygienists
OSHA = US Occupational Safety and Health Administration
AIHA® = AIHA® Guideline Foundation

References CHEMINFO database. Canadian Centre for Occupational Health and Safety (CCOHS).

Additional Information NOT APPLICABLE

Product Identifier: PRO 100 - Ver. 1

SDS No.: 0144

Date of Preparation:

Date of Last Revision: June 19, 2018

Page 05 of 05