



**Safety Data Sheet for
PROBRITE 215**

According to WHMIS 2015

First Issue Date: 13-June-2018

Revision Date: 04-May-2022

Revision: 1

Section 1: Identification

Product identifier:

Identification as on the label/Trade name: PROBRITE 215

Other means of identification: ID-PB215

Relevant identification uses of the substance and uses advised against:

Recommended use: Vehicle and equipment cleaner.

Restrictions on use: For industrial use only. Keep away from children.

Manufacturer/Supplier identifier:

BBSpro Services Inc
204-11 Burbidge St
Coquitlam
B.C. V3K 7B2
Canada +1-604-420-4305

Emergency telephone numbers:

Emergency Contact:

BBSpro Services Inc: +1-877-420-4305 (24 hours)

CANUTEC (Transportation Emergency Only): +1-613-996-6666 (24 hours)

Section 2: Hazard Identification

Classification of the mixture:

The mixture is classified according to: Globally Harmonized System of Classification and Labelling of Chemicals (GHS).

Hazard classes/Hazard categories:

Skin Corrosive (Category 1A)

Eye Damage (Category 1)

Label elements:

Hazard pictograms:



Signal word: Danger.

Hazard statements:

H314 Causes severe skin burns and eye damage.

H318 Causes serious eye damage.

Precautionary statements:



P260 Do not breathe dusts or mists.

P264 + P265 Wash hands thoroughly after handling. Do not touch eyes.

P280 Wear protective gloves/protective clothing/eye protection/face protection.

P301 + P330 + P331 IF SWALLOWED: Rinse mouth. Do NOT induce vomiting.

P302 + P361 + P354 IF ON SKIN: Take off immediately all contaminated clothing. Immediately rinse with water for several minutes.

P304 + P340 IF INHALED: Remove person to fresh air and keep comfortable for breathing.

P305 + P354 + P338 IF IN EYES: Immediately rinse with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.

P316 Get emergency medical help immediately.

P321 Specific treatment (see supplemental first aid instruction on this label).

P363 Wash contaminated clothing before reuse.

P405 Store locked up.

P501 Dispose of contents/container in accordance with local/regional/national/international regulations.

Other hazards which do not result in classification: None.

Section 3: Composition/Information on Ingredients

Substance/Mixture: Mixture.

Ingredients:

Substance name (IUPAC/EC)	CAS-No.	Concentration % by weight	SCLs, M-Factors, Acute Toxicity Estimates (ATE)	Classification EC1272/2008
	EC-No.			
sodium hydroxide; caustic soda	1310-73-2	10-15%	Eye Irrit. 2; H319: 0,5% ≤ C < 2% Skin Corr. 1A; H314: C ≥ 5% Skin Corr. 1B; H314: 2% ≤ C < 5% Skin Irrit. 2; H315: 0,5% ≤ C < 2%	Skin Corr. 1A H314
	215-185-5			
disodium metasilicate	68131-39-5	1-5%	-	Skin Corr. 1B H314 STOT SE 3 H335 Eye Dam. 1 H318
	500-195-7			

There are no additional ingredients present which, within the current knowledge of the supplier and in the concentrations applicable, are classified as hazardous to health or the environment and hence require reporting in this section.

Section 4: First-Aid Measures

Description of first aid measures:

If inhaled: Move to fresh air. Oxygen or artificial respiration if needed. Victim to lie down in the recovery position, cover and keep him warm. Call a physician immediately.



In case of eye contact: Rinse immediately with plenty of water, also under the eyelids, for at least 15 minutes. In the case of difficulty of opening the lids, administer an analgesic eye wash (oxybuprocaine). Call a physician or poison control center immediately. Take victim immediately to hospital.

In case of skin contact: Take off contaminated clothing and shoes immediately. Wash off immediately with plenty of water. Keep warm and in a quiet place. Call a physician or poison control center immediately. Wash contaminated clothing before re-use.

If swallowed: Call a physician or poison control center immediately. Take victim immediately to hospital. If swallowed, rinse mouth with water (only if the person is conscious). Do NOT induce vomiting. Artificial respiration and/or oxygen may be necessary.

Most important symptoms and effects, both acute and delayed:

Inhalation: Inhalation of sodium hydroxide is immediately irritating to the respiratory tract. Swelling or spasms of the larynx leading to upper-airway obstruction and asphyxia can occur after high-dose inhalation. Inflammation of the lungs and an accumulation of fluid in the lungs may also occur.

Skin contact: Skin contact can cause severe burns with deep ulcerations. Burns appear soft and moist and are very painful. Although contact with concentrated solutions causes pain and irritation within 3 minutes, contact with dilute solutions may not cause symptoms for several hours.

Eye contact: Eye exposure may produce diffuse or localized blood vessel clots and an accumulation of fluid in the eye. Softening, sloughing, and ulcerations of the cornea may occur. Ulcerations may continue to progress for many days. Severe injury can lead to clouding of the eye surface and blindness.

Ingestion: Ingestion of sodium hydroxide can cause spontaneous vomiting, chest and abdominal pain, and difficulty swallowing with drooling. Corrosive injury to the mouth, throat, esophagus, and stomach is extremely rapid and may result in perforation, hemorrhage, and narrowing of the gastrointestinal tract.

Indication of any immediate medical attention and special treatment needed:

Sodium hydroxide is corrosive to tissues. The severity of sodium hydroxide burns may not be readily apparent until 24 to 48 hours after exposure. Stridor, vomiting, drooling, and abdominal pain are early symptoms of sodium hydroxide ingestion. Patients who have ingested sodium hydroxide may progress to shock. Patients who have inhaled mists or aerosols of sodium hydroxide may experience laryngeal edema and noncardiogenic pulmonary edema. There is no antidote for sodium hydroxide. Treatment consists of respiratory and cardiovascular support.

Section 5: Fire-Fighting Measures

Extinguisher media:

Suitable extinguisher media: Use extinguishing measures that are appropriate to local circumstances and the surrounding environment.

Unsuitable extinguishing media: Water may be ineffective.

Special hazards arising from the hazardous product: The product is not flammable. Not combustible. Gives off hydrogen by reaction with metals.

Special protective equipment and precautions for fire-fighters: In the event of fire, wear self-contained breathing apparatus. Use personal protective equipment. Wear chemical resistant oversuit. Cool containers / tanks with water spray.



Section 6: Accidental Release Measures

Personal precautions, protective equipment and emergency procedures:

Advice for non-emergency personnel: Prevent further leakage or spillage if safe to do so. Keep away from incompatible products.

Advice for emergency responders: Evacuate personnel to safe areas. Keep people away from and upwind of spill/leak. Ventilate the area. Wear suitable protective clothing.

Environmental precautions: Should not be released into the environment. Do not flush into surface water or sanitary sewer system. If the product contaminates rivers and lakes or drains inform respective authorities.

Methods and materials for containment and cleaning up:

Take up with liquid-absorbent and neutralizing material. Keep in suitable, closed containers for disposal. Treat recovered material as described in the section "Disposal considerations".

Section 7: Handling and Storage

Precautions for safe handling:

When diluting, always add the product to water. Never add water to the product. Use only equipment and materials which are compatible with the product. Keep away from incompatible products. To avoid thermal decomposition, do not overheat.

Conditions for safe storage, including incompatible materials:

Store in original container. Keep in a well-ventilated place. Keep in a dry place. Keep in properly labelled containers. Keep container closed. Keep away from incompatible products.

Suitable material: Stainless steel, Polyethylene, Paper and PE.

Section 8: Exposure Controls / Personal Protection

Control parameters:

Occupational exposure limits:

Sodium hydroxide, CAS 1310-73-2

NIOSH REL

C 2 mg/m³

OSHA PEL

TWA 2 mg/m³

Exposure controls:

Appropriate engineering controls: Ensure adequate ventilation. Apply technical measures to comply with the occupational exposure limits.

Individual protection measures, such as personal protective equipment:

Respiratory protection: In the case of aerosol formation use respirator with an approved filter. Recommended Filter type: P2

Hand protection: Impervious gloves. Suitable material: PVC, Neoprene, Natural Rubber, butyl-rubber. Unsuitable material: Leather.

Eye protection: Chemical resistant goggles must be worn.



Skin and body protection: Chemical resistant apron. Apron/boots of PVC.

Hygiene measures: Eye wash bottles or eye wash stations in compliance with applicable standards. Take off contaminated clothing and shoes immediately. Handle in accordance with good industrial hygiene and safety practice.

Environmental exposure controls: Dispose of rinse water in accordance with local and national regulations.

Section 9: Physical and Chemical Properties

Information on basic physical and chemical properties:

Appearance (form): Liquid.

Color: Green.

Odor: Soapy.

Odor threshold: No data available.

pH: 13.9

Melting point/Freezing point: No data available.

Initial boiling point/boiling range: ~100 °C

Flash point (°C): No data available.

Evaporation rate: No data available.

Flammability (solid, gas): No data available.

Lower flammable/explosive limit: No data available.

Upper flammable/explosive limit: No data available.

Vapor pressure: No data available.

Vapor density: No data available.

Relative density: ~ 1.1

Solubility: Soluble in all proportions in water. No data available (for other liquids).

n-Octanol/Water partition coefficient: No data available.

Auto-ignition temperature: No data available.

Decomposition temperature: No data available.

Viscosity: No data available.

Section 10: Stability and Reactivity

Reactivity: May be corrosive to metals.

Chemical stability: Stable under recommended storage conditions.

Possibility of hazardous reactions: Under normal conditions of storage and use, hazardous reactions should not occur.

Conditions to avoid: Keep away from direct sunlight. To avoid thermal decomposition, do not overheat. Do not freeze.

Incompatible materials: Metals, oxidizing agents, acids, aluminum, other light metals and their alloys.

Hazardous decomposition products: Under normal conditions of storage and use, hazardous decomposition products should not be produced.

Section 11: Toxicological Information

Information on toxicological effects:

Acute toxicity:



sodium hydroxide, CAS 1310-73-2

Oral LD50 2,000 mg/kg (rat)

Skin: Strong caustic effect on skin and mucous membranes.

Eyes: Strong caustic effect. Strong irritant with the danger of severe eye injury.

4-Nonylphenol, branched, ethoxylated, CAS 127087-87-0

Oral route: Adverse effect observed LD50 1,602 mg/kg bw

Skin corrosion/irritation: Causes severe skin burns and eye damage.

Serious eye damage/irritation: Causes serious eye damage.

Respiratory or skin sensitization: No data available.

Germ cell mutagenicity: No data available.

Carcinogenicity: No data available.

Reproductive toxicity: No data available.

STOT-single exposure: No data available.

STOT-repeated exposure: No data available.

Aspiration hazard: No data available.

Section 12: Ecological Information

Toxicity: No data available.

Persistence and degradability: No data available.

Bioaccumulative potential: No data available.

Mobility in soil: No data available.

Other adverse effects: No data available.

Section 13: Disposal Considerations

Method of disposal: Dilute with plenty of water. Solutions with high pH-value must be neutralized before discharge. Dispose of in accordance with local and national regulations.

Contaminated packaging: Where possible recycling is preferred to disposal or incineration. Clean container with water. Dispose of as unused product.

Section 14: Transport Information

UN number: 1824

UN proper shipping name: SODIUM HYDROXIDE, LIQUID

Hazard class: 8

Packing group: II

Environmental hazards: No.

Transport in bulk according to Annex II of Marpol and the IBC Code: Not applicable.

Special precautions for user: Refer to Sections 6 – 8.

Section 15: Regulatory Information

Safety, health and environmental regulations/legislation for the mixture:

WHMIS Classification: This product has been classified according to the hazard criteria of the CPR and the MSDS contains all of the information required by the CPR.

Canadian DSL/NDSL Inventory Status:



DSL: Yes

NDSL: No

Other Canadian Regulations: Not applicable.

Chemical Safety Assessment carried out: No.

Section 16: Other Information

Date of the latest revision of the SDS: 04-May-2022

Indication of changes: GHS aligned.

Relevant classification and H statements (number and full text):

H314 Causes severe skin burns and eye damage.

H315 Causes skin irritation.

H318 Causes serious eye damage.

H411 Toxic to aquatic life with long lasting effects.

NFPA rating:



Health: 3 - Materials that, under emergency conditions, can cause serious or permanent injury.

Fire: 0 - Materials that will not burn. This includes any material that will not burn in air when exposed to a temperature of 1500 degrees F (815.5 degrees C) for a period of 5 min.

Reactivity: 1 - Materials that in themselves are normally stable, but that can become unstable at elevated temperatures and pressure.

Further information: This information is based upon the present state of our knowledge. This SDS has been compiled and is solely intended for this product.

Notice to readers: Employers should use this information only as a supplement to other information gathered by them, and should make independent judgment of suitability of this information to ensure proper use and protect the health and safety of employees. This information is furnished without warranty, and any use of the product not in conformance with this Safety Data Sheet, or in combination with any other product or process, is the responsibility of the user.

References:

ECHA (European Chemicals Agency): Summary of CLP and Guidance on Safe Use Dossiers.

Canadian Centre for Occupational Health and Safety: WHMIS 1988 - Material Safety Data Sheets (MSDSs)

<https://www.atsdr.cdc.gov> – Agency for Toxic Substances and Disease Registry.

GESTIS International Limit Values

Supplier SDSs