

# MATERIAL SAFETY DATA SHEET

Manufacturer: ProChem Inc.  
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Rockford IL 61109

CUSTOMER SERVICE: (800) 795-8788  
CHEMTREC (EMERGENCY ONLY): (800) 424-9300  
POISON CENTER: (800) 562-8236

## SECTION 1 Product Identification

**CHEMICAL NAME:** Sodium hydroxide monohydrate

**CAS REGISTRY NUMBER:** 12179-02-1

**FORMULA:** NaOH.H<sub>2</sub>O

**EINECS NUMBER:**

**CHEMICAL FAMILY:** metal hydroxide

**SYNONYM:** Caustic soda, lye

## SECTION 2 Composition and Information on Ingredients

INGREDIENT:	CAS#	%	ACGIH (TWA)	OSHA (PEL)
Title Compound	12179-02-1	100	2mg/m <sup>3</sup>	2mg/m <sup>3</sup>

## SECTION 3 Hazards Identification

**EMERGENCY OVERVIEW:** A corrosive alkaline hydroxide. Contact with the human body will result in chemical burns. Possible risk of irreversible effects.

**PRIMARY ROUTES OF EXPOSURE:** Ingestion, inhalation, skin and eyes

**EYE CONTACT:** Causes severe burns to eyes resulting in redness and watering.

**SKIN CONTACT:** Prolonged contact with moist skin will cause chemical burns.

**INHALATION:** Corrosive to the nose, mucous membranes and respiratory tract.

**INGESTION:** Ingestion may lead to dizziness, abdominal cramps, vomiting, bloody diarrhea, weakness, and convulsions.

**ACUTE HEALTH EFFECTS:** Causes severe burns to skin, eyes and respiratory tract.

**CHRONIC HEALTH EFFECTS:** No information available on long-term chronic effects

**NTP:** No                      **IARC:** No                      **OSHA:** No

## SECTION 4 First Aid Measures

**EYE EXPOSURE:** Immediately flush the eyes with copious amounts of water for at least 10-15 minutes. A victim may need assistance in keeping their eye lids open. Get immediate medical attention.

**SKIN EXPOSURE:** Wash the affected area with water. Remove contaminated clothes if necessary. Seek medical assistance if irritation persists.

**INHALATION:** Remove the victim to fresh air. Closely monitor the victim for signs of respiratory problems, such as difficulty in breathing, coughing, wheezing, or pain. In such cases seek immediate medical assistance.

**INGESTION:** Seek medical attention immediately. Keep the victim calm. Give the victim water (only if conscious). Induce vomiting only if directed by medical personnel.