

## Safety & Health Quick List

Chemical/Product Name:	Caustic	CAS No:	1310-73-2
Synonyms:	Sodium Hydroxide, NaOH		

Hazard Statements: Corrosive.  
Harmful if swallowed.  
Causes severe skin burns and eye damage.

NFPA Ratings:	4-Dangerous	3-Severe	2-Moderate	1-Slightly Hazardous
GHS Ratings:	1-Dangerous	2-Severe	3-Moderate	4-Slightly Hazardous

### Physical Properties

NFPA Rating: Health	3	Auto Ignition Temperature	N/A
NFPA Rating: Flammability	0	Solubility in Water	N/A
NRPA Rating: Reactivity	1	Specific Gravity	2.13
GHS Classifications: Corrosive	1	Flash Point	N/A
Fire Extinguisher Type	Powder	Vapor Pressure	1.82x10 <sup>-21</sup> mmHg
Freeze Point	613.4 F	Max Concentration	20%
LEL %	N/A	Boiling Point	2530.4 F
UEL %	N/A	RQ	1000 lbs
Vapor Density	N/A		

### Exposure Guidelines

PEL/TLV	2 mg/cu m	Corrosive	1A
STEL	N/A	Irritant	1
Ceiling	N/A	IDLH	10 mg/cu m
Skin Notations (S)	1A	Odor Threshold	N/A
Carcinogen	N/A	Sensitizer	N/A

### Emergency Response

EPRG-1	0.5 mg/m <sup>3</sup>	Spill or Leak	Isolate in all directions 50 meters (150 feet) for liquids and at least 25 meters (75 feet) for solids
EPRG-2	5 mg/m <sup>3</sup>	Fire	Isolate for 800 meters (1/2 miles) in all directions
ERPG-3	50 mg/m <sup>3</sup>		
Monitoring Method			N/A

**Normal Tasks**

	<b><u>PPE Group</u></b>
Sampling	Group 8
Drum/Tote Filling	Group 8
Strapping Tank/Truck	Group 8
Hose Disconnect Unclear (Camlock Fitting)	Group 8
Hose Disconnect Unclear (Dry Disconnect)	Group 8
Line/Equipment Opening Unclear	Group 8
Line/Equipment Opening Clear	Group 8
Contaminated Equipment in Maintenance Shop which can't be cleaned	Group 8
Tank Cleaning (No Chemicals Present)	Group 8
Tank Cleaning (Chemicals Present)	Group 8

**Emergency Response Tasks**

	<b><u>PPE Group</u></b>
Small Spill	Group 8
Medium Spill	Group 8
Large Spill	Group 8
Downwind Monitoring (Vapor Only)	Group 8
Liquid Contact (HAZMAT)	Group 8

**Lab Handling**

	<b><u>PPE Group</u></b>
Inside Hood	Group 11
Outside the Hood	Group 11

NUMBER	KEY CODE	DESCRIPTION
<b>GROUP 2</b>	GENERAL PROCESS AREA	Standard PPE - Hard Hat, Nomex Coveralls, Safety Side-Shield Glasses, Work Gloves (Leather)
<b>GROUP 8</b>	PVC SUIT	Standard PPE (Group 2) with Chemical Gloves, Splash Goggles, PVC Suit, Face Shield, and the Required Respirator
<b>GROUP 11</b>	STANDARD LAB -L	Nomex Lab Coat, Safety Side-Shield Glasses, Latex Gloves
<b>Respirator Type</b>		Half Face DM
<b>Chemical Glove Type</b>		Neoprene

**PPE Example**



