

Safety & Health Quick List

Chemical/Product Name:	Potassium Hydroxide
Synonym:	KOH

CAS No: 1310-58-3

Hazard Statements: Corrosive.
Causes severe skin burns and eye damage.
Harmful to aquatic life.

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: Flammibility	0	Solubility in Water	N/A
NFPA Rating: Reactivity	1	Specific Gravity	2.044g/cu cm
GHS Classification: Corrosive	1	Flash Point	N/A
Fire Extinguisher Type	Powder	Vapor Pressure	0.0193 psi
Freeze Point	680 F	Max Concentration	51%
LEL%	N/A	Boiling Point	2420.6 F
UEL%	N/A	RQ	1000 lbs
Vapor Density	N/a		

Exposure Guidelines

PEL/TLV	200 ppm	Corrosive	1
STEL	N/A	Irritant	1
Ceiling	N/A	IDLH	
SkinNotation (S)	1	Odor Threshold	
Carcinogen	N/A	Sensitizer	N/A

Other Hazards:

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Emergency Response

EPRG-1	0.5 mg/m ³	In all directions isolate at least 50 meters(150 feet) for liquids and at least 25 meters (75 feet) for solids
EPRG-2	5 mg/m ³	Isolate 800 meters (1/2 mile) in all directions
EPRG-3	50 mg/m ³	
Monitoring Method		

Normal Tasks

Sampling
 Drum/Tote Filling
 Strapping Tank/Truck

 Hose Disconnect Unclear (Camlock Fitting)
 Hose Disconnect Unclear (Dry Disconnect)
 Line/Equipment Opening Unclear
 Line/Equipment Opening Clear

 Contaminated Equipment in Maintenance Shop which can't be cleaned
 Tank Cleaning (No Chemicals Present)
 Tank Cleaning (Chemicals Present)

PPE Group

Group 8
Group 8
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Emergency Response Tasks

Small Spill
 Medium Spill
 Large Spill
 Downwing Monitoring (Vapor Only)
 Liquid Contact (HAZMAT)

PPE Group

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Lab Handling

Inside Hood
 Outside Hood

PPE Group

Group 11
Group 11

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

PPE Example



