

Caustic Potash Lye :

Chemical Name	POTASSIUM HYDROXIDE	Chemical Classification	Inorgic Alkali
Synonyms	Caustic Soda Lye	Trade Name	
Formula	KOH	C.A.S.No.1310-58-3	U.N.No.1813/1814
Regulated Identification	Shipping Name Code/Label	Potassium Hydroxide Soin,Corrosive,Class-8	1.Hazchem No.:2 R.
	Hazardous Waste I.D. No	16	
Hazardous Ingradients	C.A.S,No.	Hazardous Ingradients	C.A.S,No.
Potassium Hydroxide	1. 1310-58-3	3,	
	2.	4.	

2. PHYSICAL AND CHEMICAL DATA

Boiling Range point 1320-C	Physical State Solution	Appearance White	
Melting/Freezing Point 360'C	Vapour Pressure at 35'C Not Avialible mm Hg	Odour Odourless	
Vapour Dencity (Air=1) Not Partient	Solubility in Water at 30'C soluble	others	Solutblein Alcohol,Glycerol
Specific Gravity Water =1 1=477at 35'C	PH >8		

3. FIRE ANO EXPLOSION HAZARD DATA

Flamm ability	No	LEL	Not Pertinent	Flash Point	Not Pertain	
TDG Flamm ability	N.A	UEL	Not Pertinent	Flash Point	Not Pertain	
Hazardous Polymerisation	Will not occur. Explosive Material			No	Corrosive Material	
Flammable Material	No	Oxidiser		NO		Others
Pyrophoric Material No	Organic No					

4. REACTIVITY DATA :

Chemical Stability	Stable
Incompatibility with other Material	strong caustics,most metals
Reactivity	Potentially violent reaction with Sodium tetrahyd roborate
Hazardous Reaction Products	Reacts with chlorides + stainless steel to form hit Senslative explosive

5.HEALTH HAZARDS DATA

Routes of Entry	Inhalation, Ingestion, Eyes & Skin
Effects of Exposure/Symptoms	Ingestion: Causes Severe Pain in the throat & epigastrium, mematemesis,collapse eyes 7 skin : Causes Sereve Irritation, Inhalation : Causes Severe Irritation.
Emergency Treatment	Ingcstion : Do not induce vomiting, Give water, milk or vegetable oil. Skin and Eyes : Flush with water for at least 15 mins Skin: causes severe irritation, Inhabitation: causes severe irritation

TLV(ACGIH)	0.25 ppm	1rag/M: <	STEL	0.75 ppm	3 mg/ M-'1
Permissible Exposure Limit	ppm	Mgm3	Odour Threshoud	Not available	PPM Mg m3
NFPA Hazard Signale	Health 3	Flamability 0	Stability 1		

6. PRBVENTIVE MEASURES :

Personal Protective Equipment

Avoid contact with liquid or vapours Satety goggles / face shield.respirator for dust,long sleeves cotton jacket. rubber gloves rubber shoes and rubber apron

7, EMERGENCY AND FIRST AID MEASURE :

FIRE	FIRE EXTINGUISHING MEDIA	Not combustible
FIRE	Special Procedures	Keep the containers cool by spraying water JJLgxpssed to heat or flame.
	Unusual Hazards	Polsonous gases are produced
EXPOSURE	First Aid Measures	Same as Emergency Tretment.
	Antidotes/Dosages	Not available
SPILLS	Steps to be taken	Sweep & Collet without making dust, wash the palce with soap & water.
	Waste Disposal Method	Seal all waste n without making dust,wash the place with soap & water.

8. ADDITIONAL INFORMATION /REFERENCES :

The substance is used to manufacture fertilizers, detergents, food beverages ^and for water treatment

9. MANUFACTURE/SUPPLIERS DATA :

Name of Firm	Contact Person in Emergency	Shift In Charge
GujaratAlkaliesand Chemicals Ltd.,		
MailingAddressP.O.Dahej Dist, Bharuch	Emergencies	
Telephone/Telex Nos.56315-16-17	Local Bodies	2232688,2232682,2232981,2232982,2232039
	Standered Packing	Tanker Load
	Treamcard Detail/Ref	Provided
	Others	

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