



Kind Attn: Mamaji



POTASSIUM HYDROXIDE

1. CHEMICAL IDENTITY

Chemical Name	POTASSIUM HYDROXIDE	Chemical Inorganic
Alkali		Classification
Synonyms	Caustic Potash lye	Trade name ---

Formula	KOH	C.A.S. NO.	1310-58-3	U.N. NO
	1813/1814			
Regulated	Shipping	Potassium		Hazchem No. : 2 R
Identification	Name	Hydroxide soln.		
	Code/Label	corrosive, class - 8		
	Hazardous			
	Waste			
	I.D. NO		16	

Hazardous	C.A.S. No.	Hazardous	C.A.S. No.
Ingradients		Ingradients	
1. Potassium Hydroxide	1310-58-3	3.	
2.		4.	

2. PHYSICAL AND CHEMICAL DATA

Boiling	1320°C	Physical	Solid	Appearance	White
crystal/		State	Solution	solution	
Range/Point °C					
Melting/	360°C	Vapour	Not mm Hg	Odour	Odourless
Freezing		Pressure	available		
Point °C		at 35 °C			
Vapour	Not	Solubility	Soluble	Others	Soluble in
Density	pertinent	in water		Alcohol, (Air=1)	
	at 30°C			Glycerol	
Specific Gravity	1.477 at	pH	>8		
Water = 1	30°C				



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3. FIRE AND EXPLOSION HAZARD DATA

Flammability	No LEL	Not Pertinent	Flash Point °C	Not Pertinent	Autoignition Temp. °C	Not Pertinent
TDG Flammability	N.A.	UEL	Not Pertinent	Flash Point °C	Not Pertinent	

Explosion Sensitivity to Impact	Stable	Explosion Sensitivity to Static Electricity	Stable	Hazardous Combustion Products	Emits toxic fumes of 1
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Hazardous Polymerisation	Will not occur				
Combustible Liquid	No	Explosive Material	No	Corrosive Material	Yes
Flammable Material	No	Oxidiser	No	Others	---
Pyrophoric Material	No	Organic Peroxide	No		

4. REACTIVITY DATA :

Chemical Stability	Stable
Incompatibility with other material	When wet, attacks metals such as aluminium, Tin, Lead & Zinc.
Reactivity	Violent exothermic reaction with water. Potentially explosive reaction with bromo form + crown ethers, chlorine dioxide, nitro methane.
Hazardous Reaction Products	Reacts with ammonium hexa chloro platinate (2-) + heat, to form a heat. Sensitive explosive product.



5. HEALTH HAZARDS DATA :

Routes of Entry	Skin, Eye, Inhalation, Ingestion.
Effects of Explosure /epigastrium, symptoms severe	Ingestion : Causes severe pain in the throat & Hematemesis, collapse. Eye & Skin : Causes severe irritation. Inhalation : Causes irritation of respiratoretract.
Emergency & Treatment	Ingestion : Do not induce vomiting. Give plenty of water & milk to drink. Eyes : Flush with lot of water for 15 minutes.
with	Skin : Remove wetted clothes flush affected area with plenty of water & rinsc with dilute vineger solution.
Seek	Inhalation : Remove the victim to fresh air area. medical help.

TLV (ACGIH)	2 ppm (Ceiling)	mg/M ³ ---	STEL	Not listed	ppm	Not listed	mg/M ³
Permissibile Not available	Not ppm	--	mg/M ³	Odour	Not available		
Exposure Limit	listed			Threshold LD -50	ppm'		mg/M ³
LD-50 (oral-rat)		365 mg/kg					

NFPA Hazard Signale	Health 3	Flammability 0	Reactivity 1	SPECIAL ---
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6. PREVENTIVE MEASURES :

Personal Protective Equipment rubber	Avoid contact with liquid, solid, vapours or dust. Provide close fitting safety goggles/face shield, respirator for dust, long sleeves cotton jacket, shoes and rubber apron.
Handling and Storage Precautions	Keep the containers tightly closed and away from moisture and metals.



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7. EMERGENCY AND FIRST AID MEASURE :

FIRE	FIRE EXTINGUISHING	Not Flamma
FIRE	Special Procedures Keep containers cool by spraying water if exposed to heat or flame	
EXPOSURE	Unusual Hazards Poisonous gases are produced.	
	First Aid Measures Same as Emergency Treatment.	
SPILLS	Antidotes/Dosages Not Available	
	Steps to be taken	Sweep & collect without making dust, wash the place with water.
	Waste Disposal Method	Seal all waste in vapour tight plastic bags for eventual disposal

8. ADDITIONAL INFORMATION/REFERENCES :

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9. MANUFACTURES/SUPPLIERS DATA :

Name of Firm GUJARAT ALKALIES AND CHEMICALS LIMITED	Contact Person in Emergency SHIFT INCHARGE
Mailing Address	Local Bodies Involved ---
P.O Petrochemicals - 391 346 Dist. - Vadodara	Standard Packing Tanker load
Telephone/Telex Nos. 2232681-82, 2232981- 82, 2232039, 2230384	Tremcard Derail / Ref. Provided
Telephonic Address	Others ---

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