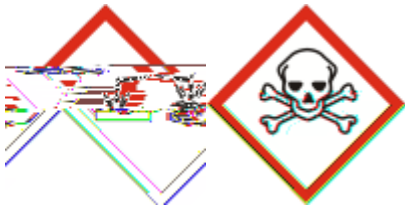




## SAFETY DATA SHEET

### 1. Identification

<b>Product Name</b>	<b>Potassium Hydroxide</b>
<b>Cat No. :</b>	<b>P246-3; P250-1; P250-3; P250-10; P250-50; P250-500; P251-3; P251-50; P251-500; P258-12; P258-50; P258-50LC; P258-212</b>
<b>Synonyms</b>	



## Precautionary Statements

### Prevention

Wash face, hands and any exposed skin thoroughly after handling  
Do not eat, drink or smoke when using this product  
Do not breathe dust/fume/gas/mist/vapors/spray  
Wear protective gloves/protective clothing/eye protection/face protection  
Use only outdoors or in a well-ventilated area

### Response

Immediately call a POISON CENTER or doctor/physician

### Inhalation

IF INHALED: Remove victim to fresh air and keep at rest in a position comfortable for breathing

### Skin

IF ON SKIN (or hair): Take off immediately all contaminated clothing. Rinse skin with water/shower  
Wash contaminated clothing before reuse

### Eyes

IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing

### Ingestion

Rinse mouth  
Do NOT induce vomiting

### Storage

Store locked up  
Store in a well-ventilated place. Keep container tightly closed

### Disposal

Dispose of contents/container to an approved waste disposal plant

## Hazards not otherwise classified (HNOC)

None identified

## 3. Composition / information on ingredients

Haz/Non-haz	Component	CAS-No	Weight %
	Potassium hydroxide	1310-58-3	100.0

## 4. First-aid measures

<b>Eye Contact</b>	Rinse immediately with plenty of water, also under the eyelids, for at least 15 minutes. Immediate medical attention is required.
<b>Skin Contact</b>	Wash off immediately with plenty of water for at least 15 minutes. Immediate medical attention is required.
<b>Inhalation</b>	Move to fresh air. If breathing is difficult, give oxygen. Do not use mouth-to-mouth resuscitation if victim ingested or inhaled the substance; induce artificial respiration with a respiratory medical device. Immediate medical attention is required.
<b>Ingestion</b>	Do not induce vomiting. Call a physician or Poison Control Center immediately.

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**Most important symptoms/effects**

Causes burns by all exposure routes. Product is a corrosive material. Use of gastric lavage or emesis is contraindicated. Possible perforation of stomach or esophagus should be investigated. Ingestion causes severe swelling, severe damage to the delicate tissue and danger of perforation.

**Notes to Physician**

Treat symptomatically.

## 5. Fire-fighting measures

**Suitable Extinguishing Media**

Substance is nonflammable;

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## 8. Exposure controls / personal protection

### Exposure Guidelines

**Component**  
Potassium hydroxide

**ACGIH TLV**  
Ceiling: 2 mg/m<sup>3</sup>

**OSHA PEL**  
(Vacated) Ceiling: 2 mg/m<sup>3</sup>

**NIOSH IDLH**  
Ceiling: 2 mg/m<sup>3</sup>

**Component**  
Potassium hydroxide

**Quebec**  
Ceiling: 2 mg/m<sup>3</sup>

**Mexico OEL (TWA)**

**Ontario TWAEV**  
CEV: 2 mg/m<sup>3</sup>

### Legend

**ACGIH** - American Conference of Industrial Hygiene

**OSHA** - Occupational Safety and Health Administration

## 10. Stability and reactivity

<b>Reactive Hazard</b>	Yes
<b>Stability</b>	Water reactive. Moisture sensitive. Air sensitive.
<b>Conditions to Avoid</b>	Avoid dust formation. Incompatible products. Excess heat. Exposure to moist air or water.
<b>Incompatible Materials</b>	Water, Metals, Acids
<b>Hazardous Decomposition Products</b>	Oxides of potassium
<b>Hazardous Polymerization</b>	Hazardous polymerization does not occur
<b>Hazardous Reactions</b>	None under normal processing

## 11. Toxicological information

### Acute Toxicity

#### Component Information

Component	LD50 Oral	LD50 Dermal	LC50 Inhalation
Potassium hydroxide	214 mg/kg ( Rat )	Not listed	Not listed

**Toxicologically Synergistic Products** No information available.

#### Delayed and immediate effects as well as chronic effects from short and long-term exposure

**Irritation** Causes severe burns by all exposure routes

**Sensitization** No information available.

**Carcinogenicity** The table below indicates whether each agency has listed any ingredient as a carcinogen

Component	CAS-No	IARC	NTP	ACGIH	OSHA	Mexico
Potassium hydroxide	1310-58-3	Not listed	Not listed	Not listed	Not listed	Not listed

**Mutagenic Effects** Mutagenic effects have occurred in experimental animals.

**Reproductive Effects** No information available.

**Developmental Effects** No information available.

**Teratogenicity** No information available.

**STOT - single exposure** Respiratory system.

**STOT - repeated exposure** None known.

indicated. Possible  
causes severe swelling,

al entry in RTECS

## 12. Ecological information

### Ecotoxicity

Do not empty into drains.

Component	Freshwater Algae	Freshwater Fish	Microtox	Water Flea
Potassium hydroxide	Not listed	80 mg/L LC50 96 h	Not listed	Not listed

**Persistence and Degradability** No information available.

**Bioaccumulation/ Accumulation** No information available

### Mobility

Component	log Pow
Potassium hydroxide	0.83

## 13. Disposal considerations

**Waste Disposal Methods** Chemical waste generators must determine whether a discarded chemical is classified as a hazardous waste. Chemical waste generators must also consult local, regional, and national hazardous waste regulations to ensure complete and accurate classification

## 14. Transport information

### DOT

UN-No UN1813  
 Proper Shipping Name Potassium hydroxide, solid  
 Hazard Class 8  
 Packing Group II

### TDG

UN-No UN1813  
 Proper Shipping Name POTASSIUM HYDROXIDE, SOLID  
 Hazard Class 8  
 Packing Group II

### IATA

UN-No UN1813  
 Proper Shipping Name POTASSIUM HYDROXIDE, SOLID  
 Hazard Class 8  
 Packing Group II

### IMDG/IMO

UN-No UN1813  
 Proper Shipping Name POTASSIUM HYDROXIDE, SOLID  
 Hazard Class 8  
 Packing Group II

## 15. Regulatory information

### International Inventories

Component	TSCA	DSL	NDSL	EINECS	ELINCS	NLP	PICCS	ENCS	AICS	CHINA	KECL
Potassium hydroxide	X	X	-	-	-		X	X	X	X	X



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**Other International Regulations**

**Mexico - Grade**

No

**Canada**

This product has been classified in accordance with the Controlled Products Regulations (CPR) and the MSDS contains all the information required by

**WHMIS Hazard Class**

D1B Toxic

E Corrosiv

