

An ISO 9001:2000  
Certified Company



THE POWER OF THREE<sup>3</sup>

**PHARMCO-AAPER**

AND COMMERCIAL ALCOHOLS

**Product Information (203) 740-3471 / Emergency Assistance CHEMTREC 1-800-424-9300 or 202-483-7616**

## **MATERIAL SAFETY DATA SHEETS**

Part Number/Trade Name: Potassium Hydroxide

This MSDS is valid for all grades that start with catalog number 287

### General Information

Manufacturer: PHARMCO-AAPER  
58 Vale Road  
Brookfield, CT 06804  
Phone (203) 740-3471  
Fax (203) 740-3481

1101 Isaac Shelby Drive  
Shelbyville, KY 40065  
Phone (502) 633-0650  
Fax (502) 633-0685

### Ingredients/Identity Information

Ingredient: POTASSIUM HYDROXIDE  
(SARA III)  
Ingredient Sequence Number: 01  
Percent: >85  
NIOSH (RTECS) Number: TT2100000

CAS Number: 1310-58-3  
OSHA PEL: C, 2 MG/M3  
ACGIH TLV: C 2 MG/M3; 9293  
Other Recommended Limit: NONE  
RECOMMENDED

### Physical/Chemical Characteristics

Appearance And Odor: HYGROSCOPIC,  
ODORLESS, WHITE OR SLIGHTLY  
YELLOW  
LUMPS, RODS, PELLETS, OR FLAKES.  
Boiling Point: 2408F,1320C

Melting Point: 681F,361C  
Specific Gravity: 2.044  
Solubility In Water: COMPLETE  
pH: 13.5

### Fire and Explosion Hazard Data

Flash Point: NONE

Extinguishing Media: DRY CHEMICAL,CO2,FOAM,WATER SPRAY.

Special Fire Fighting Proc: USE NIOSH/MSHA APPROVED SCBA IN AN ENCLOSED AREA.

Unusual Fire And Expl Hazrds: NEGLIGIBLE FIRE OR EXPLOSION HAZARD.

### Reactivity Data

Stability: YES

Cond To Avoid (Stability): WATER/EXTREME HEAT.

Materials To Avoid: STRONG OXIDIZER, ACID/METALS.  
Hazardous Decomp Products: HEAT,FLAMMABLE HYDROGEN.  
Hazardous Poly Occur: NO

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Health Hazard Data

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LD50-LC50 Mixture: ORAL RAT:365MG/KG  
Route Of Entry - Inhalation: YES  
Route Of Entry - Skin: YES  
Route Of Entry - Ingestion: YES  
Health Haz Acute And Chronic: ACUTE:SEVERE IRRITATION/BURNS OF EYES, SKIN LUNGS OR G.I. TRACT DAMAGE,DERMATITIS;CORROSIVE TO ALL BODY TISSUE.  
Signs/Symptoms Of Overexp: SEE HEALTH HAZARDS DATA.  
Med Cond Aggravated By Exp: PRE-EXISTING CONDITIONS MAY BE WORSEN.  
Emergency/First Aid Proc: INHALATION:REMOVE TO FRESH AIR;SEE MEDICAL HELP IMMEDIATELY. EYES:FLUSH WITH PLENTY OF WATER FOR 15 MINUTES,CALL A PHYSICIAN AT ONCE. SKIN:WASH WITH LARGE AMOUNTS OF WATER. INGESTION:SEEK MEDICAL HELP IMMEDIATELY.

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Precautions for Safe Handling and Use

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Steps If Matl Released/Spill: USE PROPER PERSONAL PROTECTION;COLLECT SOLID MATERIAL IN AIR TIGHT CONTAINER OR DILUTE WITH WATER,USE SUITABLE INERT ABSORBENT MATERIAL & RECOVER FOR PROPER DISPOSAL.WASH THE SURFACE WITH PLENTY OF WATER.  
Neutralizing Agent: DIL,ACIDS.  
Waste Disposal Method: DISPOSE OF COLLECTED MATERIAL IN ACCORDANCE WITH LOCAL,STATE AND FEDERAL REGULATIONS.  
Precautions-Handling/Storing: STORE IN COOL,DRY AREA.KEEP AWAY FROM OXIDIZERS & ACIDS.

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Control Measures

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Respiratory Protection: USE NIOSH/MSHA APPROVED SCBA OR RESPIRATOR FOR VAPORS/MIST IF ABOVE TLV/PEL.  
Ventilation: LOCAL EXHAUST/GENERAL TO MAINTAIN PEL/TLV.  
Protective Gloves: IMPERVIOUS.  
Eye Protection: CHEMICAL GOGGLES/FACE SHIELD.  
Other Protective Equipment: EYE-WASH,SAFETY SHOWER,FULL SKIN AND EYE PROTECTION.  
Work Hygienic Practices: AVOID CONTACT WITH EYES AND SKIN;DO NOT BREATHE VAPORS/MIST WASH THOROUGHLY AFTER EACH USE.

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Transportation Data

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Trans Data Review Date: 93210	IMO Proper Shipping Name: POTASSIUM HYDROXIDE, SOLID
DOT PSN Code: LZM	IMO Regulations Page Number: 8214
DOT Proper Shipping Name: POTASSIUM HYDROXIDE, SOLID	IMO UN Number: 1813
DOT Class: 8	IMO UN Class: 8
DOT ID Number: UN1813	IMO Subsidiary Risk Label: -
DOT Pack Group: II	IATA PSN Code: UPT
DOT Label: CORROSIVE	IATA UN ID Number: 1813
IMO PSN Code: MDR	IATA Proper Shipping Name: POTASSIUM HYDROXIDE, SOLID

IATA UN Class: 8  
IATA Label: CORROSIVE  
AFI PSN Code: UPT  
AFI Prop. Shipping Name: POTASSIUM  
HYDROXIDE, SOLID

AFI Class: 8  
AFI ID Number: UN1813  
AFI Pack Group: II  
AFI Label: CORROSIVE  
AFI Basic Pac Ref: 12-7

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Disposal Data  
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Refer to applicable regional, state and federal codes.  
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Label Data  
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Special Hazard Precautions: CONTACT CAUSES BURNS TO SKIN AND EYES. IF  
INHALED, MAY BE HARMFUL. FIRE MAY PRODUCE IRRITATING OR POISONOUS GASES.  
RUNOFF FROM FIRE CONTROL OR DILUTION WATER MAY CAUSE POLLUTION.

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The information contained herein is based on data considered to be accurate. However, no warranty is expressed regarding the accuracy of these data or the results to be obtained from the use thereof. It is the user's obligation to determine the conditions of safe use of the product.