

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

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**MATERIAL SAFETY DATA SHEETS**

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Part Number/Trade Name: SODIUM HYDROXIDE 50%  
This MSDS is valid for all grades that start with catalog number 291

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General Information

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Company's Name: PHARMCO PRODUCTS,  
INC.  
Company's Street: 58 VALE RD.  
Company's City: BROOKFIELD  
Company's State: CT  
Company's Zip Code: 06804  
Company's Emerg Ph #: (800) 424-9300  
Chemtrec  
Company's Info Ph #: (203) 740-3471

Date MSDS Revised: Nishant-8/23/99  
Safety Data Review Date: 8/23/99  
Preparer's Company: PHARMCO PRODUCTS,  
INC.  
Preparer's St Or P. O. Box: 58 VALE RD.  
Preparer's City: BROOKFIELD  
Preparer's State: CT  
Preparer's Zip Code: 06804

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

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Ingredients/Identity Information

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Ingredient: SODIUM HYDROXIDE (SARA III)  
Ingredient Sequence Number: 01  
Percent: 50.0  
NIOSH (RTECS) Number: WB4900000

CAS Number: 1310-73-2  
OSHA PEL: 2 MG/M3  
ACGIH TLV: C 2 MG/M3; 9293

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Physical/Chemical Characteristics

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Appearance And Odor: WATER WHITE TO  
SLIGHTLY GRAY SOLUTION  
Boiling Point: 145C

Vapor Pressure (MM Hg/70 F): 1.5  
Specific Gravity: 1.541  
Solubility In Water: 100%

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Fire and Explosion Hazard Data

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Extinguishing Media: EXTINGUISHING AGENTS SUITABLE FOR SURROUNDING FIRE\_  
Special Fire Fighting Proc: USE SAFETY EQUIPMENT AS MAY BE SUITABLE FOR  
SODIUM HYDROXIDE  
Unusual Fire And Expl Hazrds: OSODIUM HYDROXIDE MAY CAUSE LOCALIZED  
OVERHEATING/POSSIBLE SPLATTERING.

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Reactivity Data

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Stability: YES  
Cond To Avoid (Stability): DON'T STORE W/MATL'S WHICH REACT WITH NAOH\_

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Materials To Avoid: ACIDS/FLAMMABLE LIQUIDS/ORGANIC HALOGEN CPDS/METALS  
Hazardous Decomp Products: NONE  
Hazardous Poly Occur: NO

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Health Hazard Data

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Signs/Symptoms Of Overexp: INHALATION: CAUSE BURNS/PERMANENT SCARRING.  
EYE/SKIN: CAUSE IRRIT. INGESTION: NAUSEA/VOMITING.  
Emergency/First Aid Proc: INHALATION: MOVE TO FRESH AIR. IF BREATHING  
STOP, PERFORM ARTIFICIAL RESP. SKIN: FLUSH W/WATER & SOAP. EYES: FLUSH  
WATER FOR 15 MINUTES. INGESTION: IF PERSON IS CONCIIOUS, ADMINISTER LARGE  
QUANTITIES OF WATER. DON'T INDUCE VOMITING. GET MED ATT.

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Precautions for Safe Handling and Use

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Steps If Matl Released/Spill: ONLY TRAINED PERSONNEL WEARING PROTECTIVE  
EQUIPMENT SHOULD HANDLE SPILL CLEAN-UP. AVD PERSONAL CONTACT. CONTAIN  
SPILL  
IF POSSIBLE; IF NOT, DILUTE/FLUSH W/WAR. IF SPILLS ENTERS SEWER OR STREAMS,  
NOTIFY SEWER OR POLLUTION CONTROL THORITY.  
Waste Disposal Method: DISPOSE IN APPROVED CHEMICAL DISPOSAL AREA OR IN A  
MANNER WHICH COMPLIES WITH ALL LOCAL, STATE AND FEDERAL REGULATION. DO  
NOT  
FLUSH TO SEWER.  
Precautions-Handling/Storing: PREVENT POSSIBLE EYE/SKIN CONTACT BY WEARING  
PROTECTIVE CLOTHING AND EQUIPMENT. STORAGE TANKS ST BE VENTED AND DIKED.  
Other Precautions: WHEN DILUTING, USE AGITATION AND ADD CONCENTRATED  
CAUSTIC TO WATER AT A CONTROLLED RATE TO CONTROL HEAT OF DILUTION/AVOID  
SPITTING. DON'T ADD WATER TO SODIUM HYDROXIDE.

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Control Measures

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Respiratory Protection: USE NIOSH OR MSHA APPROVED RESPIRATORS  
Ventilation: AVOID CREATION OF MIST OR SPRAY  
Protective Gloves: RUBBER/NEOPRENE  
Eye Protection: GOGGLES/FACE SHIELD  
Other Protective Equipment: EYE WASH/SAFETY SHOWERS/RUBBER SHOES/BOOTS/  
HARD HAT W/BRIM  
Suppl. Safety & Health Data: MSDS DATE: 30 JUN 1985. PH: 14. MELTING  
POINT: 55F. SPECIFIC GRAVITY: 12.8 .

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Transportation Data

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DOT: Sodium Hydroxide, Solution, 8, UN1824, PG II

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Disposal Data

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Landfill Ban Item: YES	1st EPA Haz Wst Code New: D002
55F. SPECIFIC GRAVITY: 12.8 . IN CASE OF ACCIDENTAL EXPOSURE OR DISCHARGE, CONSULT HEALTH AND SAFETY FILE FOR PRECAUTIONS.	1st EPA Haz Wst Name New: CORROSIVE 1st EPA Haz Wst Char New: CORROSIVITY 1st EPA Acute Hazard New: NO

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Label Data

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Common Name: SODIUM HYDROXIDE, 50% LIQUID

Special Hazard Precautions: INHALATION: CAUSE BURNS/ PERMANENT SCARRING.  
EYE/SKIN: CAUSE IRRIT. INGESTION: NAUSEA/VOMITING.

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Regulatory Data

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Comprehensive Environmental Response, Compensation, and Liability Act of 1980 (CERCLA) requires notification of the National Response Center of release of quantities of Hazardous Substances equal or greater than the reportable quantities (RQs) in 40 CFR 302.4. Components present in this product at a level which could require reporting under the statute are:

Chemical Name	CAS Number	RQ
<u>Sodium hydroxide</u>	1310-73-2	1,000lb

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.