

# MATERIAL SAFETY DATA SHEET

## THE CHAMPION COMPANY

400 Harrison Street

Springfield, Ohio 45505

EMERGENCY TELEPHONE NO. (937) 324-5681

CHEMTREC: (800) 424-9300 (Spill, Leak, Fire, Exposure or Accident)

## HAZARD RATING

Health 3

Fire 0

Reactivity 1

Special 0

## I. PRODUCT INFORMATION

General Type: Sodium Hydroxide

Trade Name: Sodium Hydroxide

## II. HAZARDOUS INGREDIENTS

<u>MATERIAL (CAS)</u>	<u>%</u>	<u>OSHA PEL</u> <u>TWA/STEL (15)</u>	<u>ACGIH TLV</u> <u>TWA/STEL (15)</u>
Sodium Hydroxide (1310-73-2)	100	2mg/m <sup>3</sup> (ceiling)	2mg/m <sup>3</sup> (ceiling)

## III. PHYSICAL DATA

Boiling Point	N/A	Freezing Point	----
Specific Gravity	2.13	Vapor Pressure	----
Vapor Density	----	Solubility in Water	100%
Percent Volatiles	----	Evaporation Rate	---
		(Butyl Acetate = 1)	
Appearance and Odor	White granular material		

## IV. FIRE AND EXPLOSION HAZARD DATA

Flash Point	N/A
Flammable Limits In Air	----
Extinguishing Media	Foam, Dry Chemical, Carbon Dioxide, Water Spray
Special Fire Fighting Procedures	Wear self-contained breathing apparatus, cool container with water spray.
Unusual Fire and Explosion Hazard	----

## V. HEALTH HAZARD DATA

Threshold Limit Value See Part II

Effects of Overexposure If swallowed may cause burns, vomiting, nausea and death. Skin contact may cause severe burns, inflammation and pain. Eye contact may cause irritation, burns and serious eye injury. Inhalation may cause irritation or pulmonary edema and collapse.

Emergency and First Aid Procedures Contact physician immediately. If swallowed give milk or water and induce vomiting by sticking finger down throat and get medical attention. If unconscious - give nothing. If eye or skin contact - flush with water for 15 minutes. Remove contaminated clothing, get medical attention. If inhaled - remove to fresh air, give artificial respiration if not breathing, get medical attention.

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## VI. REACTIVITY DATA

Stability	Product is stable
Conditions to Avoid	Contact with numerous organic/inorganic chemicals
Incompatibilities	Numerous organic and inorganic chemicals
Hazardous Decomposition Products	At high temperatures may release Noxious Oxides
Hazardous Polymerization	Will not occur

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## VII. SPILL OR LEAK PROCEDURES

If Material is Spilled	Shovel into container with absorbent material such as sand, etc.
Waste Disposal Method	Remove to chemical landfill - if allowed.

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## VIII. SPECIAL PROTECTION INFORMATION

Respiratory Protection	Unnecessary if area is adequately ventilated - use dust mask if necessary.
Local Ventilation	Preferred
Mechanical Ventilation	Acceptable if necessary
Special Ventilation	Not normally required
Other Ventilation	Not normally required
Protective Gloves	Impervious vinyl or rubber type
Eye Protection	Coverall goggles or full face shield
Other Protective Equipment	Safety shower, eye wash and full protective clothing is required.

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## IX. SPECIAL PRECAUTIONS

Maintain adequate ventilation and engineering controls to insure exposure levels below OSHA limits. Avoid prolonged inhalation or contact with skin or eyes.

Keep bottles tightly capped. Keep away from heat and flames. Store in cool, dry, well-ventilated area.

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The information herein given is in good faith but no warranty, expressed or implied, is made, except that to the best of the Company's knowledge it is accurate. The Champion Company does not assume any legal responsibilities for use or dependence upon same. Customers may wish to conduct tests of their own. The user is urged to read the information provided on the label before using product.

Sodium Hydroxide

Date August 1, 2010

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