

# HUDSON

## MATERIAL SAFETY DATA SHEET

DATE PREPARED: 01/07/2003

MSDS No: S465-4LITER

### 1. PRODUCT AND COMPANY IDENTIFICATION

**PRODUCT DESCRIPTION:** Sodium Hydroxide Solution, 4 Liter container**PRODUCT CODE:** S465-4LITER**MANUFACTURER**

Hudson Supply Company

4500 Lee Rd

Cleveland, OH 44128-2959

**Customer Service:** (800) 486-0480**24 HR. EMERGENCY TELEPHONE NUMBERS****CHEMTREC (U.S.):** (800) 424-9300**Emergency Phone:** (800) 424-9300

### 2. COMPOSITION / INFORMATION ON INGREDIENTS

<u>Chemical Name</u>	<u>Wt.%</u>	<u>CAS#</u>
Water	99	7732-16-5
Sodium Hydroxide	<1	1310-73-2

**COMPONENTS :****EXPOSURE LIMITS**

<u>Chemical Name</u>	<u>OSHA PEL</u>	<u>ACGIH TLV</u>	<u>Supplier</u>
Water			
Sodium Hydroxide	2 mg/m <sup>3</sup>	2 mg/m <sup>3</sup>	

### 3. HAZARDS IDENTIFICATION

**POTENTIAL HEALTH EFFECTS****EYES:** Dangerous**SKIN:** May cause significant irritation to the skin.**INGESTION:** Dangerous**INHALATION:** Irritant**ACUTE EFFECTS:** Irritation to dangerous. Sodium Hydroxide is very destructive to human tissue.**SUBCHRONIC/CHRONIC TOXICITY****CHRONIC:** Not Listed**CARCINOGENICITY:** Not Listed by NTP

Not listed by IARC

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Not listed by OSHA

**MEDICAL CONDITIONS AGGRAVATED:** None Expected.

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#### 4. FIRST AID MEASURES

**EYES:** Immediately flush eyes with plenty of water for two to three minutes. Remove any contact lenses and continue flushing for 15 minutes. Get medical attention.

**SKIN:** Wash thoroughly with soap and water.

**INGESTION:** Induce vomiting. dilute with water. Never give anything by mouth to anyone who is unconscious or convulsing. Get medical attention.

**INHALATION:** Remove individual to fresh air. Keep person calm. If breathing is difficult, administer oxygen and get proper medical attention.

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#### 5. FIRE FIGHTING MEASURES

**FLASHPOINT AND METHOD:** Not Applicable

**FLAMMABLE LIMITS:** N/A to N/A

**AUTOIGNITION TEMPERATURE:** Not Applicable

**FLAMMABLE CLASS:** 0

**EXTINGUISHING MEDIA:** Any media for the surrounding fire.

**HAZARDOUS COMBUSTION PRODUCTS:** None known.

**FIRE FIGHTING PROCEDURES:** Keep people away. Isolate fire area and deny unnecessary entry. Contain fire water run-off if possible. Fire water runoff, if not contained may cause enviromental damage. Burning liquids may be extinguished by dilution with water. Do not use direct water stream. May spread fire.

**FIRE FIGHTING EQUIPMENT:** Fire fighters should wear goggles and self-contained breathing apparatus to avoid inhalation of smoke or vapors.

**HAZARDOUS DECOMPOSITION PRODUCTS:** None known.

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#### 6. ACCIDENTAL RELEASE MEASURES

**SMALL SPILL:** Cover with dry earth, dry sand, or non-combustible material followed by plastic sheet to minimize spreading.

**LARGE SPILL:** Dike far ahead of the spill. Cover with dry earth, sand, or non-combustible material.

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## 7. HANDLING AND STORAGE

**HANDLING:** Wear safety glasses, goggles, or face shield, safety gloves, personal protective clothing, or respirator as required in section 8 of this MSDS.

**STORAGE:** Store in unopened containers under cool and dry conditions.

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## 8. EXPOSURE CONTROLS / PERSONAL PROTECTION

**ENGINEERING CONTROLS:** Provide sufficient local exhaust and general ventilation to maintain exposure below PEL(s), especially for spraying operations which produce mists.

### PERSONAL PROTECTION

**EYES AND FACE:** Wear safety glasses with side shields or goggles when handling this material.

**SKIN:** To prevent any contact, wear impervious protective clothing such as neoprene or butyl rubber gloves, apron, boots or whole bodysuit, as appropriate.

**RESPIRATORY:** Use NIOSH/MSHA approved air supplied respirator in absence of proper environmental control.

**WORK HYGIENIC PRACTICES:** Good personal hygiene practices should always be followed.

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## 9. PHYSICAL AND CHEMICAL PROPERTIES

**PHYSICAL STATE:** Liquid

**ODOR:** Acidic odor

**APPEARANCE:** Clear

**COLOR:** Colorless

**pH:** Not Applicable

**PERCENT VOLATILE:** Not Applicable

**VAPOR PRESSURE:** Not Applicable

**VAPOR DENSITY:** Not Applicable

**BOILING POINT:** 100°C

**FREEZING POINT:** Not Applicable

**MELTING POINT:** Not Applicable

**SOLUBILITY IN WATER:** Soluble

**EVAPORATION RATE:** Not Applicable

**DENSITY:** Not Applicable

**SPECIFIC GRAVITY:** 1 (water=1)

**VISCOSITY:** Not Applicable

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## 10. STABILITY AND REACTIVITY

**STABLE:** YES

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**HAZARDOUS POLYMERIZATION:** NO

**CONDITIONS TO AVOID:** Reacts exothermically with water.

**POLYMERIZATION:** Will not occur

**HAZARDOUS DECOMPOSITION:** Corrosive and/or toxic gases

**INCOMPATIBLE MATERIALS:** Acids, strong oxidizers, most metals

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#### 11. TOXICOLOGICAL INFORMATION

**EYE EFFECTS:** This material may cause significant irritation to the eyes.

**SKIN EFFECTS:** This material may cause significant irritation to the skin.

**CARCINOGENICITY:**

**IARC:** Not listed by IARC

**NTP:** Not Listed by NTP

**OSHA:** Not listed by OSHA

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#### 12. ECOLOGICAL INFORMATION

**ENVIRONMENTAL DATA:** Not Applicable

**ECOTOXICOLOGICAL INFORMATION:** Not Applicable

**CHEMICAL FATE INFORMATION:** Not Applicable

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#### 13. DISPOSAL CONSIDERATIONS

**DISPOSAL METHOD:** In compliance with Federal, State and local regulations for landfills.

**FOR LARGE SPILLS:** May be flushed to drain.

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#### 14. TRANSPORT INFORMATION

**COMMENTS:** Not regulated as a hazardous material.

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#### 15. REGULATORY INFORMATION

**GENERAL COMMENTS:** EPA Regulation:

RCRA hazardous waste number: Not listed

RCRA hazardous waste classification (40 CFR 261.??): Not classified.

CERCLA hazardous substance: listed

CERCLA Reportable Quantity (RQ)

SARA 311/312 Codes:

SARA Toxic Chemical (40 CFR 372.65):

SARA EHS: Not listed

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Threshold Planning Quantity (TPQ): listed  
OSHA Regulations: Air contaminant  
OSHA Specifically Regulated Substance (29 CFR 1910.1000): listed  
State Regulations: STCC listed.  
DOT (40 CFR 172.101 Append.):  
ACGIH Threshold Limit Value:  
MAK: Not listed  
TSCA: Not listed  
ANNEX I: Not listed

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#### 16. OTHER INFORMATION

**APPROVED BY:** David C. Dillon      **TITLE:** Systems Administrator

**APPROVAL DATE:** 01/07/2003

**REVISION SUMMARY** New MSDS

#### **NFPA CODES**

**FIRE:** 0    **HEALTH:** 1    **REACTIVITY:** 0

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