

# Safety Data Sheet

## SECTION 1: Identification

### 1.1. Product Identifier

**Trade Name or Designation:** Sodium Hydroxide, 10% (w/w)

**Product Number:** 7261

**Other Identifying Product Numbers:** 7261-1, 7261-16, 7261-2.5, 7261-30, 7261-32, 7261-5, 7261-55

### 1.2. Recommended Use and Restrictions on Use

General Laboratory Reagent

### 1.3. Details of the Supplier of the Safety Data Sheet

**Company:** Ricca Chemical Company

**Address:** 448 West Fork Drive  
Arlington, TX 76012 USA

**Telephone:** 888-467-4222

### 1.4. Emergency Telephone Number

CHEMTREC (USA) 1-800-424-9300  
CHEMTREC (International) 1-303-527-3887

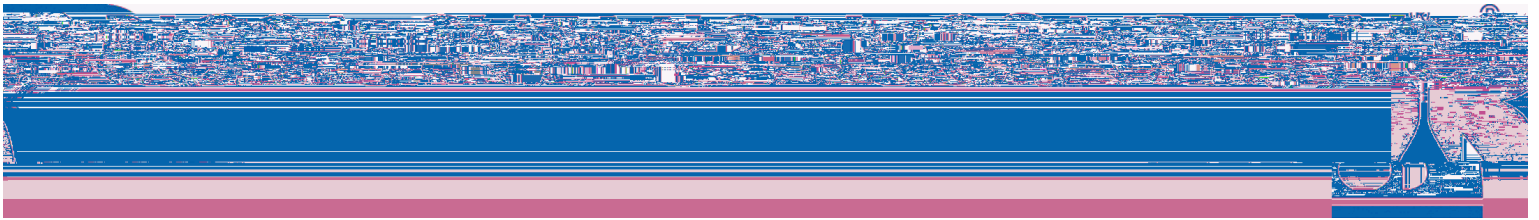
## SECTION 2: Hazard Identification

### 2.1. Classification of the Substance or Mixture (in accordance with OSHA HCS 29 CFR 1910.1200)

For the full text of the Hazard and Precautionary Statements listed below, see Section 16.

Hazard Class	Category	Hazard Statement	Precautionary Statements
Skin Corrosion / Irritation	Category 1	H314	P260, P264, P280, P301+P330+P331, P303+P361+P353, P363, P304+P340, P305+P351+P338, P405, P501
Eye Damage / Irritation	Category 1	H318	P280, P305+P351+P338, P310
Specific Target Organs/Systemic Toxicity Following Single Exposure	Category 1	H370	P260, P264, P270, P307+P311, P321, P405, P501
Corrosive to Metals	Category 1	H290	P234, P390, P406





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## S T I N : om osition Information on Ingredients

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## SECTION 4: Accidental Release Measures

### 4.1. Personal Precautions, Protective Equipment and Emergency Procedures

Wear protective gloves and eye protection.

### 4.2. Clean-up and Containment Methods and Materials

Collect liquid and dilute with water. Neutralize with dilute acid solutions. Release to drain if local regulations allow. For large material (vermiculite, clay, etc.). Collect the solid residue and save for disposal.

## SECTION 5: Handling and Storage

### 5.1. Precautions for Safe Handling and Storage Conditions

Store in corrosive resistant container with a resistant inner liner. As with all chemicals, wash hands thoroughly after handling and skin. Protect from freezing and physical damage. Do not mix with acids.

## SECTION 6: Exposure Controls/Personal Protection

### 6.1. Exposure Parameters

Chemical Name	Limit Type	Country	Exposure Limit	Information Source
Sodium Hydroxide (1310-73-2)	TWA	USA	2 mg/m <sup>3</sup> TWA	U.S. - OSHA - Final PELs - Time Weighted Averages (TWAs)
Sodium Hydroxide (1310-73-2)	TLV-Ceiling	USA	2 mg/m <sup>3</sup> Ceiling	ACGIH - Threshold Limit Values - Ceiling (TLV-C)

### 6.2. Exposure Controls

**Engineering Controls:** No specific controls are needed. Normal room ventilation is adequate.

**Respiratory Protection:** Normal room ventilation is adequate.

**Skin Protection:** Wear protective gloves and eye protection. Chemical resistant gloves.

**Eye Protection:** Wear protective gloves and eye protection. Safety glasses or goggles.

### 6.3. Personal Protective Equipment

Wear protective gloves and eye protection. Normal room ventilation is adequate. Chemical resistant gloves. Safety glasses



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## SECTION : Physical and Chemical Properties

### 1. Basic Physical and Chemical Properties

**Appearance:** Colorless liquid

**Physical State:** Liquid

**Odor:** Odorless

**Odor Threshold:** Data not available.

**Boiling Point:** > 13

**Freezing Point:** Approximately 0°C

**Initial Boiling Point Range:** Approximately 100°C - Approximately 100°C

**Flash Point:** Data not available.

**Evaporation Rate:** Data not available.

**Volatility:** Data not available.

**Volatility Limits:** Data not available.

**Vapor Pressure:** Data not available.

**Vapor Density:** Data not available.

**Relative Density:** 1.11

**Solubility:** Miscible

**Partition Coefficient (n-Octanol/Water):** Data not available.

**Auto Ignition Temperature:** Data not available.

**Decomposition Temperature:** Data not available.

**Viscosity:** Data not available.

**Other Properties:** Data not available.

**Identifying Properties:** Data not available.

## SECTION 1 : Stability and Reactivity

### 1.1. Reactivity and Chemical Stability

Stable under normal conditions of use and storage.

### 1.1.1. Possibility of Hazardous Reactions

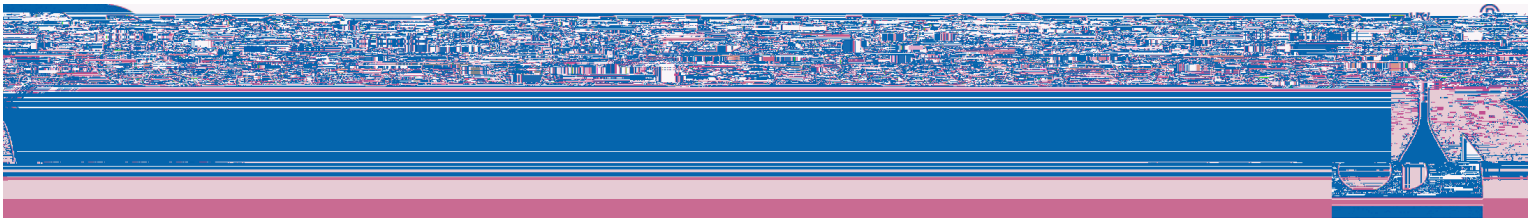
Data not available.

### 1.1.2. Conditions to Avoid and Incompatible Materials

Keep only in original container. Acids, organic halogen compounds, metals such as aluminum, tin and zinc.

### 1.1.3. Hazardous Decomposition Products

Will not occur.



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## SECTION 11: Toxicological Information

### 11.1. Information on Toxicological Effects

Acute Toxicity (oral):

Not applicable.

Hazard: Take off immediately and wash with water. Wash contaminated clothing before reuse. I IN

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**Specific Target Organ Toxicity from Repeated Exposure:**

Not applicable.

**Skin Irritation/Hazard:**

Not applicable.

**Additional Toxicology Information:**

Data not available.

## SECTION 11: Ecological Information

**11.1. Acute Toxicity**

Not applicable.

**11.2. Persistence and Degradability**

Data not available.

**11.3. Bioaccumulation and Potential**

Data not available.

**11.4. Mobility in Soil**

Data not available.

**11.5. Other Desirable Ecological Effects**

Data not available.

## SECTION 12: Disposal Considerations

**12.1. Waste Treatment Methods**

Data not available.

## SECTION 13: Transportation Information

**13.1. Transportation and Department of Transportation DOT United States of America**

**Significance:** 1 L, 4 L, 10 L, 20 L, 30 Gal, 55 Gal, 500 mL

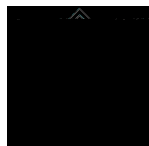
**UN Number:** UN1824

**Proper Shipping Name:** Sodium Hydroxide Solution

**Hazard Class:** 8

**Packaging Group:** II

**Hazard Pictogram Labels:**



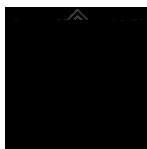


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Species:  
N Number:  
Proper Shipping Name:  
Hazard Class:  
Packaging Group:  
Hazard P-Card Labels:

## 1.1. Transportation by the International Air Transport Association (IATA)

Species: 1 L, 4 L, 10 L, 20 L, 30 Gal, 55 Gal, 500 mL  
N Number: UN1824  
Proper Shipping Name: Sodium Hydroxide Solution  
Hazard Class: 8  
Packaging Group: II  
Hazard P-Card Labels:



## SECTION 1: Regulatory Information

1.1. Occupational Safety and Health Administration (OSHA) Hazards  
Not listed.





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## 1.1. Pennsylvania Right to Know Hazardous Substances

Sodium Hydroxide (CAS # 1310-73-2): Environmental hazard

Sodium Hydroxide (CAS # 1310-73-2): Present

Water (CAS # 7732-18-5): Present

## 1.2. New Jersey Worker and Community Right to Know Components

Sodium Hydroxide (CAS # 1310-73-2): corrosive

Sodium Hydroxide (CAS # 1310-73-2): sn 1706

## 1.3. California Proposition

Not listed.

## 1.4. Canada Domestic Substances List Non Domestic Substances List DS NDS

Sodium Hydroxide (CAS # 1310-73-2): Present

Water (CAS # 7732-18-5): Present

## 1.5. United States of America Toxic Substances Control Act TSCA List

Sodium Hydroxide (CAS # 1310-73-2): Present

Water (CAS # 7732-18-5): Present

## 1.6. European Inventory of Existing Commercial Chemical Substances IN S

European List of Notified Chemical Substances IN S and Non-Registered Polymers N P

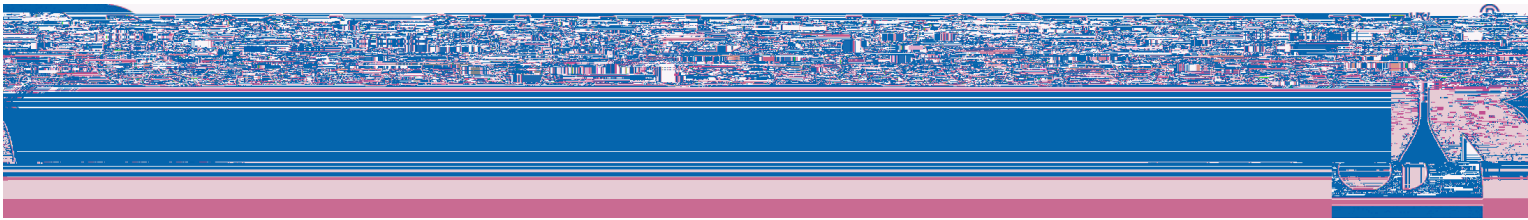
Not listed.

## SECTION 1: Other Information

### 1.1. Physical and Hazard Statements and Precautionary Statements

May be corrosive to metals. Causes severe skin burns and eye damage. Causes serious eye damage. Causes damage to

Keep only in original container. Do not breathe dust, fumes or mist. Wash arms, hands and face thoroughly after handling  
when using this product. Wear protective gloves and eye protection.



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## 1.1.1. Physical and Chemical Properties

Canadian carcinogenicity classification: Not Applicable.

Physical hazards Not otherwise classified P N : Not Applicable.

Health hazards Not otherwise classified H N : Not Applicable.

Not Applicable.

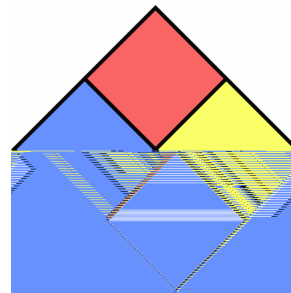
## 1.1.2. National Fire Protection Association (NFPA) Rating

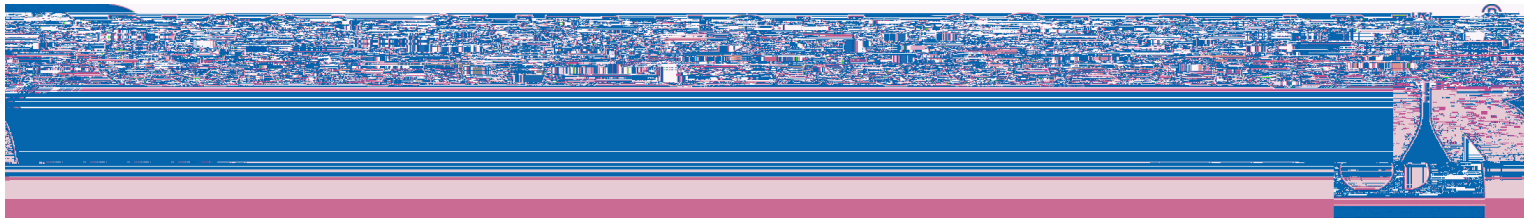
Health: 3

Flammability: 0

Reactivity: 0

Special hazard:





# Safety Data Sheet

## 1 . . Document e ision

ast e ision Date: 5/1/2015

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When handled properly by qualified personnel, the product described herein does not present a significant health or safety hazard. / by concentration, evaporation, addition of other substances, or other means may present hazards not specifically addressed herein . by the user. The information furnished herein is believed to be accurate and represents the best data currently available to us. No w is made and RICCA CHEMICAL COMPANY assumes no legal responsibility or liability whatsoever resulting from its use.