

# SAFETY DATA SHEET

## SECTION 1: Identification of the substance/mixture and of the company/undertaking

### 1.1 Product identifiers

Product name : 0.1 N Sodium Hydroxide 100mL

Product Number : 02001-NAOH  
Brand : MicroSolv™ Technology

### 1.2 Relevant identified uses of the substance or mixture and uses advised against

Identified uses : Laboratory chemicals, Synthesis of substances

### 1.3 Details of the supplier of the safety data sheet

Company : MicroSolv Technology  
9158 Industrial Blvd  
Leland NC 28451  
UNITED STATES

Telephone : +1 732 380-8900  
Fax : +1 910 769-9435

### 1.4 Emergency telephone number

Emergency Phone # : 1-800-222-1222  
Poisoning or chemical exposure

## SECTION 2: Hazards identification

**2.1 Classification of the substance or mixture** 2.1. Classification of the substance or mixture  
GHS-US classification Skin corrosion/irritation Category 2 H315 Causes skin irritation Serious eye damage/eye irritation Category 2A H319 Causes serious eye irritation Full text of H statements : see section 16

**2.2 GHS Label elements, including precautionary statements** Not classified as a hazardous chemical. Other hazards not contributing to the classification: None

P280 - Wear protective gloves, eye protection  
P302+P352 - IF ON SKIN: Wash with plenty of soap and water  
P305+P351+P338 - If in eyes: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing  
P332+P313 - If skin irritation occurs: Get medical advice/attention  
P337+P313 - If eye irritation persists: Get medical advice/attention  
P362 - Take off contaminated clothing and wash it before reuse



GHS07

**2.3 Hazards not otherwise classified (HNOC) or not covered by GHS - none**

## SECTION 3: Composition/information on ingredients

**3.1 Substances**  
Not applicable

**3.2 Mixtures**  
Name

	Product identifier	%	GHS-US classification
Water	(CAS-No.) 7732-18-5	99.6	Not classified
Sodium Hydroxide	(CAS-No.) 1310-73-2	0.4	Skin Corr. 1A, H314 Eye Dam. 1, H318 Aquatic Acute 3, H402

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## SECTION 4: First aid measures

### 4.1 Description of first aid measures

**If inhaled**

Allow victim to breathe fresh air. Allow the victim to rest.

First-aid measures after skin contact : Wash with plenty of soap and water. Wash contaminated clothing before reuse. If skin irritation occurs: Get medical advice/attention.

First-aid measures after eye contact : Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. If eye irritation persists: Get medical advice/attention.

First-aid measures after ingestion : Rinse mouth. Do NOT induce vomiting. Obtain emergency medical attention.

### 4.2 Most important symptoms and effects, both acute and delayed

Irritation, Nausea, Headache, Shortness of breath.;

### 4.3 Indication of any immediate medical attention and special treatment needed

Obtain medical assistance.

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## SECTION 5: Firefighting measures

### 5.1 Extinguishing media

**Suitable extinguishing media**

If in laboratory setting, follow laboratory fire suppression procedures. Use appropriate fire suppression agents for adjacent combustible materials or sources of ignition.

### 5.2 Special hazards arising from the substance or mixture

Not flammable.

### 5.3 Advice for firefighters

Not flammable.

### 5.4 Further information

Move product containers away from fire or keep cool with water spray as a protective measure, where feasible.

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## SECTION 6: Accidental release measures

### 6.1 Personal precautions, protective equipment and emergency procedures

Gloves. Safety glasses.

### 6.2 Environmental precautions

Prevent entry to sewers and public waters. Notify authorities if liquid enters sewers or public waters.

### 6.3 Methods and materials for containment and cleaning up

Soak up spills with inert solids, such as clay or diatomaceous earth as soon as possible. Collect spillage. Store away from other materials.

### 6.4 Reference to other sections

Exposure controls and personal protection.

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## SECTION 7: Handling and storage

**7.1 Precautions for safe handling:** Wear protective equipment. Absorb spillage to prevent material damage due to corrosiveness to metal. Avoid contact with eyes, skin, and clothing. Wash hands after handling. Do not mix with acids. Follow good hygiene procedures when handling chemical materials. Use only in well ventilated areas.

### 7.2 Conditions for safe storage, including any incompatibilities

Keep only in the original container in a cool, well ventilated place away from incompatible materials. Keep container closed when not in use.

Incompatible products : metals. Strong acids.

Packaging materials : Do not store in corrodable metal.

### 7.3 Specific end use(s)

Apart from the uses mentioned in section 1.2 no other specific uses are stipulated

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## SECTION 8: Exposure controls/personal protection

### 8.1 Control parameters

Components with workplace control parameters  
1310-73-2, Sodium Hydroxide, OSHA PEL TWA 2 mg/m3  
1310-73-2, Sodium Hydroxide, ACGIH TLV TWA 2 mg/m3

### 8.2 Exposure controls

#### Appropriate engineering controls

Emergency eye wash fountains should be available in the immediate vicinity of any potential exposure.

#### Personal protective equipment

##### Skin protection

Handle with gloves. Gloves must be inspected prior to use. Use proper glove removal technique (without touching glove's outer surface) to avoid skin contact with this product. Dispose of contaminated gloves after use in accordance with applicable laws and good laboratory practices. Wash and dry hands.

The glove material has to be impermeable and resistant to the product/substance/the preparation being handled/used.

Eye protection: Safety glasses with wide shields or goggles.

##### Respiratory protection

No special protective equipment required in normal conditions. Use suitable respiratory protective device when high concentrations are present.

##### Control of environmental exposure

Prevent product from entering drains.

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## SECTION 9: Physical and chemical properties

### 9.1 Information on basic physical and chemical properties

- |               |                                    |
|---------------|------------------------------------|
| a) Appearance | Form: liquid<br>Colour: colourless |
| b) Odour      | Odorless                           |

c) Odour Threshold	No data available
d) pH	Alkaline
e) Melting point/freezing point	No data available
f) Initial boiling point and boiling range	No data available
g) Flash point	No data available
h) Evaporation rate	No data available
i) Flammability (solid, gas)	No data available
j) Upper/lower flammability or explosive limits	No data available
k) Vapour pressure	No data available
l) Vapour density	No data available
m) Relative density	Not Determined
n) Water solubility	completely miscible
o) Partition coefficient: n-octanol/water	No data available
p) Auto-ignition temperature	No data available
q) Decomposition temperature	No data available
r) Viscosity	No data available
s) Explosive properties	No data available
t) Oxidizing properties	No data available

## 9.2 Other safety information

No data available

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## SECTION 10: Stability and reactivity

### 10.1 Reactivity

No data available

### 10.2 Chemical stability

Stable under recommended storage conditions.

### 10.3 Possibility of hazardous reactions

No data available

### 10.4 Conditions to avoid

Acids, Organic materials, Chlorinated solvents, Aluminum, Phosphorus, Tin/tin oxides, Zinc

Hazardous decomposition products:sodium oxides, hydrogen. Carbon oxides (CO, CO2).

## 10.6 Hazardous decomposition products

Sodium oxide.

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### SECTION 11: Toxicological information

#### 11.1 Information on toxicological effects

**Acute toxicity** :Not Classified

LD50 dermal rabbit 337500 mg/kg

ATE US (dermal) 337500 mg/kg body weight

**Skin corrosion/irritation**

Causes skin irritation.

**Serious eye damage/eye irritation** No data available

**Respiratory or skin sensitization** No data available

**Germ cell mutagenicity**

No data available

**Carcinogenicity** :Not classified

IARC: No component of this product present at levels greater than or equal to 0.1% is identified as probable, possible or confirmed human carcinogen by IARC.

ACGIH: No component of this product present at levels greater than or equal to 0.1% is identified as a carcinogen or potential carcinogen by ACGIH.

NTP: No component of this product present at levels greater than or equal to 0.1% is identified as a known or anticipated carcinogen by NTP.

OSHA: No component of this product present at levels greater than or equal to 0.1% is on OSHA's list of regulated carcinogens.

**Reproductive toxicity**

No data available

**Specific target organ toxicity - single exposure**

No data available

**Specific target organ toxicity - repeated exposure**

No data available

**Aspiration hazard**

No data available

**Additional Information**

RTECS: ZC0110000

To the best of our knowledge, the chemical, physical, and toxicological properties have not been thoroughly investigated.

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### SECTION 12: Ecological information

#### 12.1 Toxicity

No data available

## **12.2 Persistence and degradability**

No data available

## **12.3 Bioaccumulative potential**

No data available

## **12.4 Mobility in soil**

No data available

## **12.5 Results of PBT and vPvB assessment**

PBT/vPvB assessment not available as chemical safety assessment not required/not conducted

## **12.6 Other adverse effects**

No ecological problems are to be expected when the product is handled and used with due care and attention.

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## **SECTION 13: Disposal considerations**

### **13.1 Waste treatment methods**

#### **Product**

Avoid release to the environment.

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## **SECTION 14: Transport information**

### **DOT (US)**

Not dangerous goods

### **IMDG**

Not dangerous goods

### **IATA**

Not dangerous goods

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## **SECTION 15: Regulatory information**

### **SARA 311/312 (Specific toxic chemical listings)**

None of the ingredients listed

### **SARA 313 Components**

None of the ingredients listed

### **RCRA Hazards**

None of the ingredients listed

### **TSCA (Toxic Substances Control Act)**

All ingredients are listed.

### **CERCLA (Comprehensive Environmental Response, Compensation, and Liability Act)**

1310-73-2 Sodium Hydroxide 1000 lb

CAS-No.  
1310-73-2

Revision Date

Revision Date

### **California Prop. 65 Components**

This product does not contain any chemicals known to State of California to cause cancer, birth defects, or any other reproductive harm.

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## **SECTION 16: Other information**

### **Further information**

The above information is believed to be correct but does not purport to be all inclusive and shall be used only as a guide. The information in this document is based on the present state of our knowledge and is applicable to the product with regard to appropriate safety precautions. It does not represent any guarantee of the properties of the product. MicroSolv™ Technology and its Affiliates shall not be held liable for any damage resulting from handling or from contact with the above product.

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