



SAFETY DATA SHEET

Section 1. Chemical Product and Company Identification

Catalog Number: LMO650

Date Prepared: 6/17/2015

Product Identity: QualiChem™ OH 1 "Base Titrant"

Product Use Description: Chemical Specialty

Manufacture Name and Address: ECI Technology Inc.
60 Gordon Drive
Totowa, NJ 07512

Telephone Number for Information: 973-890-1114

Emergency Contact(24hrs): CHEMTREC

Domestic: 800-424-9300

International: 703-527-3887

Section 2. Hazards Identification

GHS Classification:

This item meets the OSHA Hazard Communication Standard (29 CFR 1910.1200) definition of a hazardous material.

Skin Corrosion	-	Category	1A
Eye Damage	-	Category	1

Signal Word: Danger



Hazard Statements:

Causes severe skin burns and eye damage.

May be corrosive to metals.

Precautionary Statements:

Prevention



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Wear protective gloves/ protective clothing/ eye protection/ face protection.

Wash thoroughly after handling.

Response

Immediately call a POISON CENTER or doctor/ physician

IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.

IF ON SKIN: Take off immediately all contaminated clothing. Rinse skin with water.

IF SWALLOWED: rinse mouth. Do NOT induce vomiting.

Section 3: Composition / Information on Ingredients

Components	CAS Registry #	Concentration
Sodium Hydroxide	1310-73-2	< 6%
Deionized Water	7732-18-5	Balance

Section 4. First Aid Measures – In All Cases, Seek Qualified Medical Help

EYE CONTACT:

In case of contact, flush immediately with water for at least 15 minutes. Consult a physician.

INHALATION:

If breathed in, move person into fresh air. If not breathing, give artificial respiration. Consult a physician.

SKIN CONTACT:

In case of contact, immediately flush skin with water for at least 15 minutes while removing contaminated clothing. Wash clothing before reuse. Consult a physician

INGESTION:

Consult a physician. Do NOT induce vomiting unless directed to do so by medical personnel. Never give anything by mouth to an unconscious person. Dilute with water or milk.



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Section 5. Fire Fighting Measures

FLAMMABLE PROPERTIES:

Substance is nonflammable; use agent most appropriate to extinguish surrounding fire

EXTINGUISHING MEDIA:

Use appropriate media for surrounding fire.

FIRE & EXPLOSION HAZARDS:

Not considered to be a fire or explosion hazard.

FIRE FIGHTING INSTRUCTIONS:

Use normal procedures/instructions.

FIRE FIGHTING EQUIPMENT:

Use protective clothing and breathing equipment appropriate for the surrounding fire.

Section 6. Accidental Release Measures

Absorb with suitable material. Always dispose of according to local and regional authority requirements.

Section 7. Handling and Storage

As with all chemicals, wash hands thoroughly after handling. Avoid contact with eyes and skin. Protect from heat, freezing and physical damage. Store only with compatible materials.

INCOMPATIBLE CHEMICALS:

Oxidizing agents, reducing agents, metals, acids, alkalis

Section 8. Exposure Controls / Personal Protection

Exposure Limits:

Component:

Sodium Hydroxide

ACGIH TLV

2 mg/m3

Regulations:

OSHA PEL

2 mg/m3

ENGINEERING CONTROLS:

Use general or local exhaust ventilation. Local exhaust is preferred.

RESPIRATORY PROTECTION:

Use general or local exhaust ventilation. Local exhaust is preferred. If airborne concentration is above TLV, use of appropriate air purifying respiratory or self-contained breathing apparatus (SCBA) is recommended.



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SKIN PROTECTION:

Wear chemical gloves and protective clothing (lab coat, apron, coveralls). Gloves subject to permeation or any sign of degradation must be removed and replaced immediately.

EYE PROTECTION:

Use chemical safety glasses or goggles and/or a full face shield where splashing is possible. Maintain shower/eyewash facilities in work area.

Section 9. Physical and Chemical Properties

Physical State Liquid

Appearance Colorless

Odor Odorless

Odor Threshold No data found

pH 14

Melting Point/Range Approximately 0°C

Boiling Point/Range Approximately 100°C

Flash Point Not applicable

Evaporation Rate > 1 (Ether = 1.0)

Flammability (solid,gas) No data found

Flammability or explosive limits

Upper No data found

Lower No data found

Vapor Pressure 14 mmHg @ 20 °C

Vapor Density No data found (Air = 1.0)

Relative Density 1.0 - 1.1

Solubility Soluble in water

Autoignition Temperature No data found

Decomposition Temperature No data found

Viscosity No data found

Section 10. Stability and Reactivity**CHEMICAL STABILITY:**

Stable, absorbs CO₂ from air.

INCOMPATIBILITY:

Oxidizing agents, reducing agents, metals, acids, alkalis

HAZARDOUS DECOMPOSITION PRODUCTS:

Decomposition by reaction with certain metals releases flammable and explosive Hydrogen gas.

HAZARDOUS POLYMERIZATION:

Will not occur.



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Section 11. Toxicological Information

Toxicology Values

Component	Description	Route	Animal	Value
Sodium Hydroxide	LD50	Oral	Rat	- 100-300 mg/kg

Target Organs:

Skin, eyes

Chronic Effects / Carcinogenicity:

N/A

IARC: N/A

NTP: N/A

OSHA: N/A

TERATOLOGY (BIRTH DEFECT) INFORMATION:

No data available

REPRODUCTION INFORMATION:

No data available

Section 12. Ecological Information

ECOTOXICOLOGICAL INFORMATION: No information found

CHEMICAL FATE INFORMATION: No information found

Section 13. Disposal Considerations

Chemical waste generators must determine whether a discarded chemical is classified as a hazardous waste. Chemical waste generators must also consult local, regional, and national hazardous waste regulations to ensure complete and accurate classification.

Section 14. Transport Information (Not meant to be all inclusive)

D.O.T. SHIPPING NAME: Sodium Hydroxide Solution

D.O.T. HAZARD CLASS: 8

U.N. NUMBER: UN1824



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PACKING GROUP: II

D.O.T. LABEL: None

Section 15. Regulatory Information (Not meant to be all inclusive)

TSCA STATUS:

All components of this solution are listed on the TSCA Inventory or are mixtures (hydrates) of items listed on the TSCA Inventory.

SARA TITLE III:

SECTION 302 EXTREMELY HAZARDOUS SUBSTANCES: N/A

SECTION 311/312 HAZARDOUS CATEGORIES: Acute, Reactive

SECTION 313 TOXIC CHEMICALS: N/A

CALIFORNIA PROPOSITION 65: N/A

Section 16. Other Information

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