



SAFETY DATA SHEET

Section 1. Chemical Product and Company Identification

Catalog Number: LMO836

Date Prepared: 7/6/2015

Product Identity: QualiChem™ S-T "Sulfate Titrant"

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 does not meet the OSHA Hazard Communication Standard (29 CFR 1910.1200) definition of a hazardous material

Oral toxicity	-	Category: 5
Eye irritation	-	Category: 2A
Skin irritation	-	Category: 3
Acute toxicity	-	Category: 4

Signal Word: Warning



Precautionary Statements:

Prevention

P264	:	Wash skin thoroughly after handling
P280	:	Wear protective gloves/ protective clothing/ eye protection/ face protection.

Response Statements



SAFETY DATA SHEET

P302 + P352	: IF ON SKIN: Wash areas of contact with 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: Contact a physician
Other Hazards:	

Section 3: Composition / Information on Ingredients		
Components	CAS Registry #	Concentration
Trade Secret (Component 1)	-	5 – 15%
DI Water	7732-18-5	85 – 95%

Section 4. First Aid Measures – In All Cases, Seek Qualified Medical Help
EYE CONTACT: Irrigate immediately with large quantity of water for at least 15 minutes. Consult a physician if necessary.
INHALATION: Consult a physician if necessary. If breathed in, move person into fresh air. If not breathing give artificial respiration.
SKIN CONTACT: Wash areas of contact with soap and water for at least 15 minutes. Consult a physician if necessary.
INGESTION: Consult a physician

Section 5. Fire Fighting Measures



SAFETY DATA SHEET

FLAMMABLE PROPERTIES:

Substance is nonflammable: use agent most appropriate to extinguish surrounding fire.

EXTINGUISHING MEDIA:

Use any means suitable for extinguishing surrounding fire

FIRE & EXPLOSION HAZARDS:

Not considered to be a fire or explosion hazard.

FIRE FIGHTING INSTRUCTIONS:

Use any means suitable for extinguishing surrounding fire

FIRE FIGHTING EQUIPMENT:

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

Section 6. Accidental Release Measures

Absorb with suitable material and dispose of in accordance with local regulations.

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.

INCOMPATIBLE CHEMICALS:

Strong oxidizing agents, acids

Section 8. Exposure Controls / Personal Protection**Exposure Limits:**

Component:		Regulations:	
Component 1		ACGIH TLV	OSHA PEL
		0.5 mg/m3	0.5 mg/m3

ENGINEERING CONTROLS:

No specific controls are needed. Normal room ventilation is adequate.

RESPIRATORY PROTECTION:

Normal room ventilation is adequate

SKIN PROTECTION:

Chemical resistant gloves are recommended



SAFETY DATA SHEET

EYE PROTECTION:

Safety glasses or goggles.

Section 9. Physical and Chemical Properties

Physical State Liquid

Appearance Colorless

Odor Odorless

Odor Threshold No data found

pH 6-7.5

Melting Point/Range Approx. 0

Boiling Point/Range Approx. 100

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 under normal conditions of use and storage.

INCOMPATIBILITY:

Strong oxidizing agents, acids

HAZARDOUS DECOMPOSITION PRODUCTS:

Burning may produce Carbon Oxides

HAZARDOUS POLYMERIZATION:

Will not occur.

Section 11. Toxicological Information



SAFETY DATA SHEET

Toxicology Values

Component	Description	Route	Animal	Value
Component 1	LD50	Oral	Rat	- 921 mg/kg
DI Water	LD50	Oral	Rat	- >90 ml/kg

Target Organs: Eyes, Skin

Chronic Effects / Carcinogenicity: None

IARC: No

NTP: No

OSHA: No

TERATOLOGY (BIRTH DEFECT) INFORMATION:

No information found.

REPRODUCTION INFORMATION:

No information found.

Section 12. Ecological Information

ECOTOXICOLOGICAL INFORMATION:

Component: Effect:
Component 1 No information found.

CHEMICAL FATE INFORMATION:

Component: Effect:
Component 1 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.



SAFETY DATA SHEET

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

D.O.T. SHIPPING NAME: Barium compounds n.o.s. (Barium Acetate)

D.O.T. HAZARD CLASS: 6.1

U.N. NUMBER: UN1564

PACKING GROUP: III

D.O.T. LABEL: Poison

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

U.S. Federal Regulations

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 313 Not listed

SARA 302 Extremely Hazardous Substances: Not listed

SARA 311/312 Hazardous Categorization: Not listed

Acute Health Hazard No

Chronic Health Hazard No

Fire Hazard No

Sudden Release of Pressure Hazard No

Reactive Hazard No

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.

CERCLA REPORTABLE QUANTITY: No

SARA TITLE III:

SECTION 302 EXTREMELY HAZARDOUS SUBSTANCES: No

SECTION 311/312 HAZARDOUS CATEGORIES: No

SECTION 313 TOXIC CHEMICALS: No



SAFETY DATA SHEET

RCRA STATUS:

CALIFORNIA PROPOSITION 65:

Section 16. Other Information

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