



SAFETY DATA SHEET

Section 1. Chemical Product and Company Identification

ECI Part Number: LMO655

Date Prepared: 6/30/2015

Product Identity: QualiChem™ "Boric Reagent"

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

Classification

This chemical is considered not hazardous by the 2012 OSHA Hazard Communication Standard (29 CFR 1910.1200)

GHS Classification:

None

Signal Word:

Hazard Statements:

May cause skin irritation

May cause eye irritation

Precautionary Statements

Prevention

Do not handle until all safety precautions have been read and understood

Use personal protective equipment as required

Wash face, hands and any exposed skin thoroughly after handling

Wear eye/face protection

Do not breathe dust/fume/gas/mist/vapors/spray

Response

IF exposed or concerned: Get medical attention/advice

Skin

IF ON SKIN: Wash with plenty of soap and water

If skin irritation occurs: Get medical advice/attention

Take off contaminated clothing and wash before reuse

Eyes



SAFETY DATA SHEET

IF IN EYES: 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

Section 3: Composition / Information on Ingredients

Components	CAS Registry #	Concentration
D-Mannitol	69-65-8	10%
DI Water	7732-18-5	Balance

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. Call a physician if irritation develops.

INHALATION:

Move to fresh air. If breathing is difficult, give oxygen. Get medical attention immediately if symptoms occur.

SKIN CONTACT:

Wash off immediately with plenty of water for at least 15 minutes. Get medical attention immediately if symptoms occur.

INGESTION:

Do not induce vomiting. Obtain medical attention if necessary.

Section 5. Fire Fighting Measures

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 agent most appropriate to extinguish surrounding fire.

FIRE FIGHTING EQUIPMENT:

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



SAFETY DATA SHEET

Section 6. Accidental Release Measures
Absorb with suitable material and dispose of in accordance with local regulations.

Section 7. Handling and Storage

Handling
Wear personal protective equipment. Ensure adequate ventilation. Do not breathe vapors, spray or mist. Avoid contact with skin, eyes and clothing.

Storage
Keep containers tightly closed in a dry, cool and well-ventilated place.

Section 8. Exposure Controls / Personal Protection

Exposure Limits:

Component:	ACGIH TLV	Regulations:	OSHA PEL
D-Mannitol	No data found		No data found

ENGINEERING CONTROLS:
Ensure adequate ventilation, especially in confined areas. Ensure that eyewash stations and safety showers are close to the workstation location.

RESPIRATORY PROTECTION:
Normal room ventilation is adequate

SKIN PROTECTION:
Chemical resistant gloves are recommended

EYE PROTECTION:
Safety glasses or goggles.



SAFETY DATA SHEET

Section 9. Physical and Chemical Properties

Physical State Liquid
Appearance Clear to slight yellow
Odor Odorless
Odor Threshold No data found
pH 4 - 6
Melting Point/Range No data found
Boiling Point/Range No data found
Flash Point Not applicable
Evaporation Rate > 1 (Ether = 1.0)
Flammability (solid,gas) No data found
Flammability or explosive limits
Upper 30 g/m³ (D-Mannitol)
Lower 60 g/m³ (D-Mannitol)
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 460°C (D-Mannitol)
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

HAZARDOUS DECOMPOSITION PRODUCTS:

Burning may produce carbon monoxide, carbon dioxide, and nitrogen oxides

HAZARDOUS POLYMERIZATION:

Will not occur.

Section 11. Toxicological Information

Toxicology Values

Component	Description	Route	Animal	Value
D-Mannitol	LD50	Oral	Rat	- 13500 mg/kg



SAFETY DATA SHEET

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 11. Toxicological Information				
<u>Toxicology Values</u>				
Component	Description	Route	Animal	Value
D-Mannitol	LD50	Oral	Rat	- 13500 mg/kg
Target Organs:	Not considered to be a health hazard			
Chronic Effects / Carcinogenicity:	None			
IARC:	No			
NTP:	No			
OSHA:	No			
TERATOLOGY (BIRTH DEFECT) INFORMATION: No data found				
REPRODUCTION INFORMATION: No data found				



SAFETY DATA SHEET

Section 12. Ecological Information

ECOTOXICOLOGICAL INFORMATION:

Component:

D-Mannitol

Effect:

No information found

CHEMICAL FATE INFORMATION:

Component:

D-Mannitol

Effect:

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: Not regulated

D.O.T. HAZARD CLASS: None

U.N. NUMBER: None

PACKING GROUP: None

D.O.T. LABEL: None

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.

TSCA 12(b)	Not listed
SARA 313	Not listed
Sara 311/312 Hazardous Categorization	Not listed
Acute Health hazard	No
Chronic Health Hazard	No
Fire Hazard	No
Sudden Releases of Pressure Hazard	No
Reactive Hazard	No



SAFETY DATA SHEET

Section 16. Other Information

Disclaimer

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