



# LIQUID TOWEL

## Safety Data Sheet

Revision date: May 18, 2015

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

#### 1.1. Product identifier

Trade name : LIQUID TOWEL  
Product form : Mixture  
Product code : 11-17420

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

Use of the substance/mixture : Drying Agent

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

ChemQuest Inc.  
21365 Hamburg Ave.  
Lakeville, MN 55044  
Phone: (877) 437-3478  
Email: infocq@chemquestinc.com

#### 1.4. Emergency telephone number

Emergency number : CHEMTREC: 1-800-424-9300

### SECTION 2: Hazards identification

#### 2.1. Classification of the substance or mixture

##### Classification (GHS-US)

<u>Hazard Code</u>	<u>Hazard Class</u>	<u>Hazard Category</u>
H226	Flammable liquids	3
H315	Skin corrosion/irritation	2
H318	Serious eye damage/eye irritation	1

HANDLE IN ACCORDANCE WITH GOOD INDUSTRIAL HYGIENE AND SAFETY PRACTICES

#### 2.2. Label elements

##### GHS-US labeling

##### Hazard pictograms (GHS-US)



Signal Word (GHS-US): **Danger**

##### Hazard Statements (GHS-US):

H226: Flammable liquid and vapor  
H315: Causes skin irritation  
H318: Causes serious eye damage

##### Precautionary statements (GHS-US):

P210: Keep away from heat/sparks/open flames/hot surfaces. -No smoking.  
P233: Keep container tightly closed  
P240: Ground/bond container and receiving equipment  
P241: Use explosion-proof electrical/ventilating/lighting/.../equipment  
P242: Use only non-sparking tools  
P243: Take precautionary measures against static charge  
P264: Wash thoroughly after handling  
P280: Wear protective gloves/protective clothing/eye protection/face protection  
P303+361+353: IF ON SKIN (or hair): Remove/Take off immediately all contaminated clothing. Rinse skin with water/shower  
P370+378: In case of fire: Use water spray, alcohol-resistant foam, dry chemical or carbon dioxide for extinction  
P302+352: IF ON SKIN: Wash with soap and water  
P321: Specific treatment (see SECTION 4)  
P332+313: If skin irritation occurs: Get medical advice/attention  
P362: Take off contaminated clothing and wash before reuse  
P305+351+338: IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses if present and easy to do –

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continue rinsing

P310: Immediately call a POISON CENTER or doctor/physician

P403+235: Store in a well ventilated place. Keep cool

P501: Dispose of contents/container in accordance with local, state and federal authorities.

### 2.3. Other hazards

No additional information available

### 2.4. Unknown acute toxicity (GHS-US)

No data available

## SECTION 3: Composition/information on ingredients

### 3.1. Substance

Not applicable

### 3.2. Mixture

Name	CAS #	%
Distillates, petroleum, hydrotreated middle	64742-46-7	10 – 20
Quaternary Ammonium Compounds, DiCocoalkyl, Dimethyl, Chlorides	61789-77-3	5 – 10
Glycol Ether EB - Ethylene glycol monobutyl ether	111-76-2	5 – 7
Amines, C14-18; C16-18-Unsat., Alkyl, Ethoxylated	68155-39-5	1 – 5
2-Propanol	67-63-0	< 3

## SECTION 4: First aid measures

### 4.1. Description of first aid measures

First-aid measures general	: Never give anything by mouth to an unconscious person. If you feel unwell, seek medical advice (show the label where possible).
First-aid measures after inhalation	: IF INHALED: Remove to fresh air and keep at rest in a position comfortable for breathing Use artificial respiration and oxygen if needed. If irritation persists, seek medical attention.
First-aid measures after skin contact	: IF ON SKIN: Immediately rinse with plenty of water (for at least 15 minutes). . If irritation persists, seek medical attention.
First-aid measures after eye contact	: IF IN EYES: Rinse immediately and thoroughly, pulling the eyelids well away from the eye (15 minutes minimum). . If irritation persists, seek medical attention.
First-aid measures after ingestion	: IF SWALLOWED: Rinse mouth. Do NOT induce vomiting. Dilute stomach contents by drinking water. If vomiting occurs spontaneously, keep head below hips to prevent breathing vomit into lungs. Call physician immediately.

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

Symptoms/injuries	: Causes skin irritation. Causes serious eye damage.
Symptoms/injuries after inhalation	: May cause headache, nausea and irritation of respiratory tract.
Symptoms/injuries after skin contact	: May cause skin irritation.
Symptoms/injuries after eye contact	: Causes serious eye damage.
Symptoms/injuries after ingestion	: May cause gastrointestinal irritation, nausea, vomiting, and diarrhea if swallowed.
Chronic symptoms	: No data available.

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

No additional information available.

## SECTION 5: Firefighting measures

### 5.1. Extinguishing media

suitable extinguishing media : Alcohol-resistant foam. Carbon dioxide. Dry powder. Water spray.

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

Fire hazard	: Flash Point 135 F (Closed Cup). However this product did not sustain combustibility per ASTM 4206, Standard Test Method for Sustained Burning of Liquid Mixtures Using the Small Scale Open-Cup Apparatus.
Explosion hazard	: Product is not explosive.
Reactivity	: No dangerous reactions known under normal conditions of use.

### 5.3. Advice for firefighters

Firefighting instructions	: Do not dispose of fire-fighting water in the environment. Exercise caution when fighting any chemical fire. Use water spray or fog for cooling exposed containers.
Protection during firefighting	: Do not enter fire area without proper protective equipment, including respiratory protection.

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### SECTION 6: Accidental release measures

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

General measures : Evacuate area. Keep upwind. Ventilate area. Spill should be handled by trained clean-up crews properly equipped with respiratory equipment and full chemical protective gear (see Section 8).

##### 6.1.1. For non-emergency personnel

Protective equipment : Wear Protective equipment as described in Section 8.

Emergency procedures : Evacuate unnecessary personnel.

##### 6.1.2. For emergency responders

Protective equipment : Approved supplied-air respirator, in case of emergency. Wear suitable protective clothing, gloves and eye or face protection.

#### 6.2. Environmental precautions

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

#### 6.3. Methods and material for containment and cleaning up

For containment : Prevent entry to sewers and public waters. Contain any spills with dikes or absorbents to prevent migration and entry into sewers or streams.

Methods for cleaning up : Soak up spills with inert solids or absorbent material as soon as possible. Place in a suitable container for disposal in accordance with the waste regulations (see Section 13).

#### 6.4. Reference to other sections

No additional information available

### SECTION 7: Handling and storage

#### 7.1. Precautions for safe handling

Precautions for safe handling : Do not handle until all safety precautions have been read and understood. Keep away from heat, sparks and open flame. Store in cool well ventilated area. Keep container closed when not in use. Use only with adequate ventilation. Wear proper safety equipment including chemically resistant gloves and safety glasses or goggles. Wash thoroughly after handling. Do not breathe mist or vapor. Do not get in eyes. Avoid prolonged or repeated contact with skin. Do not swallow.

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

Storage conditions : Keep only in the original container in a cool, well ventilated place away from : heat sources. Keep container tightly closed.

#### 7.3. Specific end use(s)

No additional information available

### SECTION 8: Exposure controls/personal protection

#### 8.1. Control parameters

No OSHA and ACGIH PEL's or TLV's for the listed ingredients of this product unless stated below:

Distillates, petroleum, hydrotreated middle, CAS# 64742-46-7			
OSHA PEL (TWA) ppm - if units not stated	OSHA PEL (STEL) ppm - if units not stated	OSHA PEL (Ceiling) ppm - if units not stated	ACGIH-TLV
5 mg/m3	Not Established	Not Established	10 mg/m3

Glycol Ether EB - Ethylene glycol monobutyl ether, CAS# 111-76-2			
OSHA PEL (TWA) ppm - if units not stated	OSHA PEL (STEL) ppm - if units not stated	OSHA PEL (Ceiling) ppm - if units not stated	ACGIH-TLV
20 ppm	No Established	Not Established	20 ppm

2-Propanol , CAS# 67-63-0			
OSHA PEL (TWA) ppm - if units not stated	OSHA PEL (STEL) ppm - if units not stated	OSHA PEL (Ceiling) ppm - if units not stated	ACGIH-TLV
400 ppm	500 ppm	Not Established	200 ppm

#### 8.2. Exposure controls

Personal protective equipment : Chemical resistant gloves. Protective clothing. Safety glasses or goggles

Hand protection : Chemical resistant gloves.

Eye protection : Safety glasses or goggles.

Skin and body protection : Wear long sleeves. Wear suitable protective clothing.

Respiratory protection : Where excessive vapor, mist, or dust may result, use approved respiratory protection equipment.

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### SECTION 9: Physical and chemical properties

#### 9.1. Information on basic physical and chemical properties

Physical state	: Liquid
Appearance	: Dyed liquid.
Color	: No data available
Odor	: Fragrance.
Odor Threshold	: No data available
pH	: 6 - 9
Relative evaporation rate (butyl acetate=1)	: No data available
Melting point	: No data available
Freezing point	: No data available
Boiling point	: > 100 °C
Flash point	: 135 F (Closed Cup). this product did not sustain combustion per ASTM 4206.
Self ignition temperature	: No data available
Decomposition temperature	: No data available
Flammability (solid, gas)	: No data available
Vapor pressure	: No data available
Relative vapor density at 20 °C	: No data available
Relative density	: 0.954
Solubility	: Complete solubility in water.
Log Pow	: No data available
Log Kow	: No data available
Viscosity, kinematic	: No data available
Viscosity, dynamic	: No data available
Explosive properties	: No data available
Oxidizing properties	: No data available
Explosive limits	: No data available

#### 9.2. Other information

No additional information available

### SECTION 10: Stability and reactivity

#### 10.1. Reactivity

No dangerous reactions known under normal conditions of use.

#### 10.2. Chemical stability

Stable under recommended handling and storage conditions (see section 7).

#### 10.3. Possibility of hazardous reactions

None known.

#### 10.4. Conditions to avoid

Sparks. Heat. Open flame.

#### 10.5. Incompatible materials

Strong oxidizing and reducing agents. Strong acids.

#### 10.6. Hazardous decomposition products

Thermal decomposition generates : Carbon oxides (CO, CO<sub>2</sub>). Oxides of Nitrogen and ammonia

Other decomposition products : No data available.

### SECTION 11: Toxicological information

#### 11.1. Information on toxicological effects

Oral LD50: > 2000 mg/kg (rat) Calculated

Dermal LD50: > 2000 mg/kg (rabbit) Calculated

Inhalation LC50: > 5 mg/l (Dust/Mist-rat) Calculated

Skin corrosion/irritation : Causes skin irritation.

Serious eye damage/irritation : Causes serious eye damage.

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Respiratory or skin sensitization	: Not classified
Germ cell mutagenicity	: Not classified
Carcinogenicity	: Not classified
Reproductive toxicity	: Not classified
Specific target organ toxicity (single exposure)	: Not classified
Specific target organ toxicity (repeated exposure)	: Not classified
Aspiration hazard	: Not classified
Symptoms/injuries after inhalation	: See Section 4.
Symptoms/injuries after skin contact	: See Section 4.
Symptoms/injuries after eye contact	: See Section 4.
Symptoms/injuries after ingestion	: See Section 4.
Chronic symptoms	: No data available.

### SECTION 12: Ecological information

- 12.1. Toxicity**  
No Data
- 12.2. Persistence and degradability**  
No Data
- 12.3. Bioaccumulative potential**  
No Data
- 12.4. Mobility in soil**  
No Data
- 12.5. Other adverse effects**  
No Data

### SECTION 13: Disposal considerations

- 13.1. Waste treatment methods**  
Waste treatment methods : Do not discharge to public wastewater systems without permit of pollution control authorities. No discharge to surface waters is allowed without an NPDES permit.
- Waste disposal recommendations : Dispose in a safe manner in accordance with local/national regulations. Do not allow the product to be released into the environment.

### SECTION 14: Transport information

**14.1. UN number, proper shipping name, class and packaging group.:**

Domestic Ground Shipments

Not DOT Regulated per 49 CFR 173.120(a)(3)

**14.2. Additional information**

### SECTION 15: Regulatory information

**15.1. US Federal regulations**

**TSCA Inventory:** The components of this product are listed.

**SARA Section 311/312, Hazard Category (40CFR 370.2):** Acute and Chronic health, Fire hazard,

**SARA Section 313, Toxic Release Reporting (40CFR Part372):**

Glycol Ether EB - Ethylene glycol monobutyl ether, CAS# 111-76-2, < 7% by weight.

2-Propanol, CAS# 67-63-0, < 3.0% by wt.

**SARA Section 302, EHS Emergency Planning (40CFR Part 355):** No listed substance known over 1.0%.

**SARA Section 304, EHS Release Reporting (40CFR Part 355):** No listed substance known over 1.0%.

**CERCLA Section 102-103 HS Release Reporting (40 CFR par302-102a):** No listed substance known over 1.0%.

**15.2. International regulations**

No Data

**15.2.2. National regulations**

No Data

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### 15.3. US State regulations

#### California Prop. 65:

Approximate quantities by weight

Methane, chloro- CAS# 74-87-3 - Developmental

< 0.0045%

### SECTION 16: Other information

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Other information :  
: None.

NFPA health hazard : 2

NFPA fire hazard : 2

NFPA reactivity : 0

#### **HMIS III Rating**

Health : 2

Flammability : 2

Physical : 0

Personal Protection :

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