



# SAFETY DATA SHEET

TBC SALES AND DISTRIBUTION, LLC

Revision Date 22-Oct-2015

Version 1

## 1. IDENTIFICATION OF THE SUBSTANCE/PREPARATION AND OF THE COMPANY/UNDERTAKING

**Product identifier**

**Product Name** Saturated Sodium Chloride Treated Brine

**Other means of identification**

**Product Code(s)** USM LCM BRINE

**UNID No** N/A

**Recommended use of the chemical and restrictions on use**

**Recommended Use** Industrial & Oilfield applications

None known

**Details of the supplier of the safety data sheet**

**Manufacturer Address** Underground Services Markham, LLC  
Route 1 Box 144D  
Bay City, Texas 77414

**Emergency telephone number**

**Company Phone Number** 979-843-5214; 800-392-4719

**Emergency Contact:** CHEMTREC: +1-703-527-3887 (INTERNATIONAL)  
1-800-424-9300 (NORTH AMERICA)

## 2. HAZARDS IDENTIFICATION

**Classification**

|                                          |             |
|------------------------------------------|-------------|
| <b>Serious eye damage/eye irritation</b> | Category 2B |
|------------------------------------------|-------------|

**GHS Label elements, including precautionary statements**

|                                                   |                                 |                      |
|---------------------------------------------------|---------------------------------|----------------------|
| <b>Warning</b>                                    |                                 |                      |
| <b>Hazard Statements</b><br>Causes eye irritation |                                 |                      |
| <b>Appearance</b><br>Clear to hazy                | <b>Physical state</b><br>Liquid | <b>Odor</b><br>Salty |

**Precautionary Statements - Prevention**

Wash face, hands and any exposed skin thoroughly after handling

|             |                                                                                                                                                                                             |
|-------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Eyes</b> | IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing<br>If eye irritation persists: Get medical advice/attention |
|-------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|



**Unknown acute toxicity** 0% of the mixture consists of ingredient(s) of unknown toxicity

### 3. COMPOSITION/INFORMATION ON INGREDIENTS

| Chemical Name   | CAS-No    | Weight % |
|-----------------|-----------|----------|
| Water           | 7732-18-5 | 74-78    |
| Sodium Chloride | 7647-14-5 | 22-26    |

This product may contain trace concentrations of petroleum hydrocarbon constituents, including benzene.

### 4. FIRST AID MEASURES

**First aid measures for different exposure routes**

**Eye contact** Rinse immediately with plenty of water, also under the eyelids, for at least 15 minutes. Remove contact lenses, if present, after the first 5 minutes, then continue rinsing. Get medical attention if irritation persists.

**Skin contact** Wash off immediately with soap and plenty of water while removing all contaminated clothes and shoes. If skin irritation persists, call a physician.

**Inhalation** Move to fresh air.

**Ingestion** Never give anything by mouth to an unconscious person. Drink plenty of water. Induce vomiting, but only if victim is fully conscious. If large quantity is consumed, seek medical attention.

**Indication of immediate medical attention and special treatment needed, if necessary**

**Notes to physician** Keep patient under observation. Treat symptomatically.

### 5. FIRE-FIGHTING MEASURES

**Suitable Extinguishing Media** Use extinguishing measures that are appropriate to local circumstances and the surrounding environment.

**Unsuitable Extinguishing Media** None.

**Specific hazards arising from the chemical** Negligible fire hazard.

**Hazardous Combustion Products** None.

**Explosion data**

**Sensitivity to Mechanical Impact** None.

**Sensitivity to Static Discharge** None.

**Protective Equipment and Precautions for Firefighters**

As in any fire, wear self-contained breathing apparatus pressure-demand, MSHA/NIOSH (approved or equivalent) and full protective gear.

### 6. ACCIDENTAL RELEASE MEASURES

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**Personal Precautions, Protective Equipment and Emergency Procedures**

**Environmental Precautions**

**Environmental Precautions** Keep out of waterways. Brine Solution (salt water) may be fatal to freshwater species.

**Methods and Materials for Containment and Cleaning Up**

**Methods for Containment** Contain and collect spillage with non-combustible absorbent material, (e.g. sand, earth, diatomaceous earth, vermiculite) and place in container for disposal according to local / national regulations (see Section 13).

**Methods for Cleaning Up** Use mechanical means such as pumps and absorbent materials. Pick up and transfer to properly labeled containers.

**7. HANDLING AND STORAGE**

**Precautions for safe handling**

**Advice on safe handling** Wear personal protective equipment. Handle in accordance with good industrial hygiene and safety practice.

**Conditions for safe storage, including any incompatibilities**

**Technical measures/Storage conditions** Brine Solution causes corrosion of metal components. Dike and vent storage tank.

**Incompatible products** Strong mineral acids. Sulfuric acid. Nitric Acid.

**8. EXPOSURE CONTROLS/PERSONAL PROTECTION**

**Control parameters**

**Exposure controls**

**Engineering Measures** Ensure that eyewash stations and safety showers are close to the workstation location.

**Individual protection measures, such as personal protective equipment**

**Eye/Face Protection** Safety glasses with side-shields or Tightly fitting safety goggles.

**Skin and body protection** Chemical resistant. Skin and body protection. Rubber or neoprene footwear. Impervious clothing materials such as rubber, neoprene, nitrile or polyvinyl chloride. Wear liquid proof rubber or neoprene gloves.

**Respiratory protection** Not normally required under normal use. In case of mist, spray or aerosol exposure wear suitable personal respiratory protection and protective suit.

**Hygiene measures** Handle in accordance with good industrial hygiene and safety practice. Avoid creation of mist or spray.

**9. PHYSICAL AND CHEMICAL PROPERTIES**

**Physical and chemical properties**

|                       |                   |                       |                   |
|-----------------------|-------------------|-----------------------|-------------------|
| <b>Physical state</b> | Liquid            | <b>Odor</b>           | Salty             |
| <b>Appearance</b>     | Clear to hazy     | <b>Odor Threshold</b> | No data available |
| <b>Color</b>          | No data available |                       |                   |

| <u>Property</u>                        | <u>Values</u>            | <u>Note • Method</u> |
|----------------------------------------|--------------------------|----------------------|
| pH @ 20 °C                             | 8.5 - 11.2               |                      |
| Melting/freezing point                 | No information available |                      |
| Boiling point/boiling range            | 218 °F                   |                      |
| Flash Point                            | Non Flammable            |                      |
| Evaporation rate                       | N/A                      |                      |
| Flammability (solid, gas)              | No data available        |                      |
| Flammability Limits in Air             |                          |                      |
| Upper Flammability Limit               | No data available        |                      |
| Lower Flammability Limit               | No data available        |                      |
| Vapor pressure                         | No data available        |                      |
| Vapor density                          | N/A                      |                      |
| Specific Gravity                       | 1.17 - 1.20              |                      |
| Water solubility                       | No data available        |                      |
| Solubility in other solvents           | No data available        |                      |
| Partition coefficient: n-octanol/water | No data available        |                      |
| Autoignition temperature               | No data available        |                      |
| Decomposition temperature              | No data available        |                      |
| Viscosity, kinematic                   | No data available        |                      |
| Viscosity, dynamic                     | No data available        |                      |
| Explosive properties                   | No data available        |                      |
| Oxidizing Properties                   | No data available        |                      |

**Other information**

|                  |                   |
|------------------|-------------------|
| Softening point  | No data available |
| Molecular Weight | No data available |
| VOC Content      | No data available |
| Density          | No data available |
| Bulk Density     | No data available |

**10. STABILITY AND REACTIVITY**

**Reactivity**

No data available.

**Chemical stability**

Stable under recommended storage conditions.

**Possibility of hazardous reactions**

None under normal processing.

**Conditions to Avoid**

None known based on information supplied.

**Incompatible Materials**

Strong mineral acids. Sulfuric acid. Nitric Acid.

**Hazardous Decomposition Products**

Hydrogen chloride gas is released on contact with strong mineral acids.

## 11. TOXICOLOGICAL INFORMATION

### Information on likely routes of exposure

|                     |                                                                                                                                                                                |
|---------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Eye contact</b>  | Contact with eyes may cause irritation.                                                                                                                                        |
| <b>Skin contact</b> | Prolonged contact may cause redness and irritation.                                                                                                                            |
| <b>Inhalation</b>   | May cause irritation of respiratory tract.                                                                                                                                     |
| <b>Ingestion</b>    | Ingestion may cause gastrointestinal irritation, nausea, vomiting and diarrhea. Serious salt poisonings in humans have occurred from both accidental and deliberate ingestion. |

| Chemical Name                | LD50 Oral        | LD50 Dermal        | LC50 Inhalation                   |
|------------------------------|------------------|--------------------|-----------------------------------|
| Sodium Chloride<br>7647-14-5 | = 3 g/kg ( Rat ) | = 10 g/kg (Rabbit) | > 42 g/m <sup>3</sup> ( Rat ) 1 h |

### Information on toxicological effects

**Symptoms** No data available.

### Delayed and immediate effects as well as chronic effects from short and long-term exposure

**Sensitization** No data available.

**Mutagenic Effects** No data available.

**Carcinogenicity** No data available.

**Reproductive Toxicity** No data available.

**Specific target organ systemic toxicity (single exposure)** No information available.

**Specific target organ systemic toxicity (repeated exposure)** No information available.

**Aspiration hazard** No information available.

### Numerical measures of toxicity - Product Information

**Unknown acute toxicity** 0% of the mixture consists of ingredient(s) of unknown toxicity  
The following values are calculated based on chapter 3.1 of the GHS document .

## 12. ECOLOGICAL INFORMATION

### Ecotoxicity

0% of the mixture consists of components(s) of unknown hazards to the aquatic environment

| Chemical Name | Toxicity to algae | Toxicity to fish | Toxicity to daphnia and other aquatic invertebrates |
|---------------|-------------------|------------------|-----------------------------------------------------|
|               |                   |                  |                                                     |

|                                      |          |                                                                                                                                                                                                                                                                                                                                                          |                                                                                              |
|--------------------------------------|----------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------------|
| <p>Sodium Chloride<br/>7647-14-5</p> | <p>-</p> | <p>5560 - 6080 mg/L: 96 h Lepomis macrochirus LC50 flow-through<br/>12946 mg/L: 96 h Lepomis macrochirus LC50 static 6020 - 7070 mg/L: 96 h Pimephales promelas LC50 static 7050 mg/L: 96 h Pimephales promelas LC50 semi-static 6420 - 6700 mg/L: 96 h Pimephales promelas LC50 static 4747 - 7824 mg/L: 96 h Oncorhynchus mykiss LC50 flow-through</p> | <p>1000 mg/L: 48 h Daphnia magna EC50 340.7 - 469.2 mg/L: 48 h Daphnia magna EC50 Static</p> |
|--------------------------------------|----------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------------|

**Persistence and degradability** No data available.

**Bioaccumulation** No data available.

**Other adverse effects** No data available.

**13. DISPOSAL CONSIDERATIONS**

**Waste treatment**

**Waste Disposal Methods** Dispose of in accordance with federal, state, and local regulations.

**Contaminated packaging** Do not re-use empty containers.

**14. TRANSPORT INFORMATION**

**Harmonized Tariff Schedule / Schedule B**

**HTS/Schedule B Code** 2501.00.0000

**DOT** Not regulated.  
**UNID No** N/A

**TDG** Not regulated.

**MEX** Not regulated.

**ICAO** Not regulated.

**ICAO/IATA** Not regulated.

**IMDG/IMO** Not regulated.

**RID** Not regulated.

**ADR/RID** Not regulated.

**ADN** Not regulated.

**15. REGULATORY INFORMATION**

**International Inventories**

|               |          |
|---------------|----------|
| TSCA          | Complies |
| DSL/NDSL      | Complies |
| EINECS/ELINCS | Complies |
| ENCS          | Complies |
| IECSC         | Complies |
| KECL          | Complies |
| PICCS         | Complies |
| AICS          | Complies |

**Legend:**

TSCA - United States Toxic Substances Control Act Section 8(b) Inventory  
DSL/NDSL - Canadian Domestic Substances List/Non-Domestic Substances List  
EINECS/ELINCS - European Inventory of Existing Chemical Substances/European List of Notified Chemical Substances  
ENCS - Japan Existing and New Chemical Substances  
IECSC - China Inventory of Existing Chemical Substances  
KECL - Korean Existing and Evaluated Chemical Substances  
PICCS - Philippines Inventory of Chemicals and Chemical Substances  
AICS - Australian Inventory of Chemical Substances

**U.S. Federal Regulations**

**SARA 313**

Section 313 of Title III of the Superfund Amendments and Reauthorization Act of 1986 (SARA). This product does not contain any chemicals which are subject to the reporting requirements of the Act and Title 40 of the Code of Federal Regulations, Part 372.

**SARA 311/312 Hazard Categories**

|                                   |     |
|-----------------------------------|-----|
| Acute Health Hazard               | Yes |
| Chronic Health Hazard             | No  |
| Fire Hazard                       | No  |
| Sudden Release of Pressure Hazard | No  |
| Reactive Hazard                   | No  |

**Clean Water Act**

This product is not a substance regulated as a pollutant pursuant to the Clean Water Act (40 CFR 122.21 and 40 CFR 122.42). This product may contain trace amounts of substances regulated as pollutants under the Clean Water Act, as detailed in Section 3 herein.

**CERCLA**

This material, as supplied, is not a substance regulated as hazardous substances under the Comprehensive Environmental Response Compensation and Liability Act (CERCLA)(40 CFR 302) or the Superfund Amendments and Reauthorization Act (SARA)(40 CFR 355). There may be specific reporting requirements at the local, regional, or state level pertaining to releases of this material. This material may contain trace amounts of substances regulated as hazardous substances under CERCLA, as detailed in Section 3 herein.

**U.S. State Regulations**

**California Proposition 65**

This product may contain trace amounts of Proposition 65 chemicals, as detailed in Section 3 herein.

**U.S. State Right-to-Know Regulations**

**U.S. EPA Label Information**

EPA Pesticide registration number Not applicable.

**16. OTHER INFORMATION**

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|             |                 |                |                   |                                 |
|-------------|-----------------|----------------|-------------------|---------------------------------|
| <u>NFPA</u> | Health Hazard 0 | Flammability 0 | Instability 0     | Physical and chemical hazards - |
| <u>HMIS</u> | Health Hazard 1 | Flammability 0 | Physical Hazard 0 | Personal protection X           |

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Reason for Revision: GHS Classification

**Disclaimer**

The information provided in this Safety Data Sheet is correct to the best of our knowledge, information and belief at the date of its publication. The information given is designed only as a guidance for safe handling, use, processing, storage, transportation, disposal and release and is not to be considered a warranty or quality specification. The information relates only to the specific material designated and may not be valid for such material used in combination with any other materials or in any process, unless specified in the text.

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