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

Product identifier
Product Name
Sodium Chloride Brine

Other means of identification
Product Code(s)
NY 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
Texas Brine New York, LLC
1346 Saltvale Road
Wyoming, New York 14591

Emergency telephone number
Company Phone Number
585-495-6228
Emergency Contact:
CHEMTREC: +1-703-527-3887 (INTERNATIONAL)
1-800-424-9300 (NORTH AMERICA)

2. HAZARDS IDENTIFICATION

Classification
Serious eye damage/eye irritation
Category 2B

GHS Label elements, including precautionary statements

Warning
Hazard Statements
Causes eye irritation

Appearance
Clear to hazy

Physical state
Liquid

Odor
Salty

Precautionary Statements - Prevention
Wash face, hands and any exposed skin thoroughly after handling

Eyes
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
Unknown acute toxicity

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

### 3. COMPOSITION/INFORMATION ON INGREDIENTS

<table>
<thead>
<tr>
<th>Chemical Name</th>
<th>CAS-No</th>
<th>Weight %</th>
</tr>
</thead>
<tbody>
<tr>
<td>Water</td>
<td>7732-18-5</td>
<td>74-78</td>
</tr>
<tr>
<td>Sodium Chloride</td>
<td>7647-14-5</td>
<td>22-26</td>
</tr>
</tbody>
</table>

### 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**

<table>
<thead>
<tr>
<th>Sensitivity to Mechanical Impact</th>
<th>None.</th>
</tr>
</thead>
<tbody>
<tr>
<td>Sensitivity to Static Discharge</td>
<td>None.</td>
</tr>
</tbody>
</table>

**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

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

<table>
<thead>
<tr>
<th>Physical state</th>
<th>Appearance</th>
<th>Odor</th>
<th>Odor Threshold</th>
</tr>
</thead>
<tbody>
<tr>
<td>Liquid</td>
<td>Clear to hazy</td>
<td>Salty</td>
<td>No data available</td>
</tr>
<tr>
<td>Color</td>
<td>No data available</td>
<td>Odor</td>
<td>No data available</td>
</tr>
</tbody>
</table>

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

<table>
<thead>
<tr>
<th>Chemical Name</th>
<th>LD50 Oral</th>
<th>LD50 Dermal</th>
<th>LC50 Inhalation</th>
</tr>
</thead>
<tbody>
<tr>
<td>Sodium Chloride 7647-14-5</td>
<td>= 3 g/kg (Rat)</td>
<td>= 10 g/kg (Rabbit)</td>
<td>&gt; 42 g/m³ (Rat) 1 h</td>
</tr>
</tbody>
</table>

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

<table>
<thead>
<tr>
<th>Chemical Name</th>
<th>Toxicity to algae</th>
<th>Toxicity to fish</th>
<th>Toxicity to daphnia and other aquatic invertebrates</th>
</tr>
</thead>
<tbody>
<tr>
<td>Sodium Chloride 7647-14-5</td>
<td>-</td>
<td>5560 - 6080 mg/L: 96 h Lepomis macrochirus LC50 flow-through 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</td>
<td>1000 mg/L: 48 h Daphnia magna EC50 340.7 - 469.2 mg/L: 48 h Daphnia magna EC50 Static</td>
</tr>
</tbody>
</table>

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
NY BRINE Sodium Chloride Brine

Revision Date 23-Oct-2015

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 does not contain any substances regulated as pollutants pursuant to the Clean Water Act (40 CFR 122.21 and 40 CFR 122.42).

CERCLA
This material, as supplied, does not contain any substances 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.

U.S. State Regulations

California Proposition 65
This product does not contain any Proposition 65 chemicals.

U.S. State Right-to-Know Regulations

U.S. EPA Label Information
EPA Pesticide registration number Not applicable.

16. OTHER INFORMATION

<table>
<thead>
<tr>
<th>NFPA</th>
<th>Health Hazard</th>
<th>Flammability</th>
<th>Instability</th>
<th>Physical and chemical hazards</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>0</td>
<td>0</td>
<td>0</td>
<td></td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>HMIS</th>
<th>Health Hazard</th>
<th>Flammability</th>
<th>Physical Hazard</th>
<th>Personal protection</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>1</td>
<td>0</td>
<td>0</td>
<td>X</td>
</tr>
</tbody>
</table>

Prepared By
HSE Department
Texas Brine New York, LLC
4800 San Felipe St.
Houston, Texas 77056

Revision Date
23-Oct-2015

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
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materials or in any process, unless specified in the text.

end