



# Material Safety Data Sheet

**MSDS DATE:** May 18, 2011 Revision 4

**PRODUCT NAME:** BRINE SOLUTION

**24-Hour Emergency Phone Number:** ( 585 ) 495-6228

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## I. PRODUCT IDENTIFICATION

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**HMIS HAZARD RATING:** HEALTH = 1      FIRE = 0      REACTIVITY = 0

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**MANUFACTURER:** Texas Brine Company, L.L.C.  
1346 Saltvale Road  
Wyoming, New York 14591

Corporate  
4800 San Felipe  
Houston, Texas 77056  
1-800-554-8699

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**Chemical name:** Sodium Chloride  
**CAS:** 7647-14-5  
**Synonyms:** Sodium Chloride solution, brine  
**Chemical Formula:** NaCl

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## II. HEALTH HAZARD INFORMATION

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### Emergency and First Aid

**EYES:** Immediately flush eyes with direct stream of water for at least 20 minutes holding the eyelids open. If irritation occurs, seek medical attention.

**SKIN:** Wash with soap and water.

**INHALATION:** If symptoms develop, remove person to fresh air.

**INGESTION:** Never give anything by mouth to an unconscious person. Have person drink several glasses of water then induce vomiting. Seek medical attention immediately.

### ROUTES OF EXPOSURE

Inhalation – None expected

Skin – Exposure to spray or liquid may cause irritation of skin.

Eye contact – Exposure to spray or liquid may cause irritation of eyes.

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Ingestion – Ingestion of large amounts may cause irritation of the stomach vomiting and diarrhea. Serious salt poisoning in humans has occurred from both accidental and deliberate ingestion.

### Effects of Overexposure

Acute: May cause irritation to skin eyes and digestive tract.

Chronic: Not determined

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### III. COMPONENTS

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Component	CAS	OSHA-PEL	ACGIH-TLV	%
Sodium Chloride	7647-14-5	Not established	Not established	24 - 26

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### IV. FIRE & EXPLOSION DATA

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Flash point: Not applicable

Autoignition temperature: Not applicable

Flammable limits:

Upper Not applicable

Lower Not applicable

Extinguishing Media: Use agent suitable for surrounding fire. Water, water fog, dry chemical, CO<sub>2</sub>, sand or dirt may be used where this product is stored.

Special Fire Fighting Procedures: Non-flammable.

Unusual fire and explosion hazard: Not combustible. No unusual hazards.

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### V. SPECIAL PROTECTION

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Ventilation Requirements: Ventilation is not normally required for salt solutions. Avoid creation of mist or spray. If present, wear appropriate safety clothing and provide local exhaust systems.

Respiratory: Provide mist protection where applicable. Use NIOSH/MSHA approved respirators. Follow requirements of 29 CFR 1910.134.

Eye: Wear safety glasses with side shields or chemical goggles where splash hazard exists.

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Gloves: Use rubber, vinyl, or neoprene gloves.

Other equipment: Eyewash facility and emergency shower should be in close proximity.

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### VI. PHYSICAL DATA

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Boiling point:	218 ° F
Freezing point::	Not determined
Vapor pressure:	Not determined
Specific gravity:	1.17 – 1.21
Solubility in water:	26 %
Vapor density:	Not determined
Appearance and odor:	Clear to hazy liquid with a salty odor
pH:	6.5 – 7.5

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### VII. REACTIVITY DATA

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Conditions contributing to instability: Under normal conditions, the material is stable.

Incompatibility: Avoid contact with strong concentrations of mineral acids; sulfuric acid, nitric acid.

Hazardous decomposition products: Hydrogen chloride gas is released on contact with strong mineral acids.

Hazardous polymerization: Will not occur.

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### VIII. HANDLING & STORING

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Precautions: Store in an area separate from strong mineral acids. Brine Solution causes corrosion of metal components. Dike and vent storage tank. Use protective safety equipment as appropriate.

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### IX. ENVIRONMENTAL PROCEDURES

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Spill or release: Contain spill to prevent flow to sewers and streams. Pump into marked container for disposal or reclamation. Brine Solution (salt water) may be fatal to fresh water species.

Waste disposal method: Dispose of spilled material in licensed landfill or as appropriate in accordance with federal, state, and local regulations.

## BRINE SOLUTION

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### X. Regulatory Information

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All components listed on TSCA: Yes  
DOT Proper shipping name: Not regulated  
SARA /Title III: Not listed

OSHA regulation 29 CFR 1910.1200 requires that information be provided to employees regarding the hazards of chemicals by means of a hazard communication program including labeling, material safety data sheets, and training.

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### XI. Revision Information

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|---------------------|---|
| May 18, 2011 Rev 4  | <ol style="list-style-type: none"><li>1. Review of all information and update of RC logo.</li><li>2. Update of pH range.</li><li>3. Supersedes May 14, 2004 Rev 3.</li></ol>  |
| May 14, 2004 Rev 3  | <ol style="list-style-type: none"><li>1. Update area code for 24 hour number.</li><li>2. Update Section VIII Handling &amp; Storing.</li><li>3. Update Section IX Environmental Procedures.</li><li>4, Supersedes May 23, 2001 Rev 2.</li></ol> |
| May 23, 2001 Rev 2  | <ol style="list-style-type: none"><li>1. Correction of Corporate phone number.</li><li>2. Supersedes 2000 version.</li></ol>  |
| July 25, 2000 Rev 1 | <ol style="list-style-type: none"><li>1. Update of site-specific information</li><li>2. Supersedes 1991 Version</li></ol>   |

**The information herein is given in good faith but no warranty expressed or implied is made.**