



# Material Safety Data Sheet

**MSDS DATE:** July 5, 2007 (Revision 6)

**PRODUCT NAME:** BRINE SOLUTION; TREATED BRINE SOLUTION

**24-Hour Emergency Phone Number:** ( 713 ) 664-5711

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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.  
3000 Feldmon Road  
Houston, Texas 77045

Corporate:  
4800 San Felipe  
Houston, Texas 77056

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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	22 – 26

This product may contain trace concentrations of petroleum hydrocarbon constituents, including benzene. Laboratory analysis is available upon request.

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### IV. FIRE & EXPLOSION DATA

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Flash point: Not applicable

Auto-ignition 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.

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

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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	REGULAR BRINE	TREATED BRINE
Boiling point:	218 ° F	218 ° F
Freezing point:	Not determined	Not determined
Vapor pressure:	Not determined	Not determined
Specific gravity:	1.17 – 1.21	1.17 – 1.21
Solubility in water:	26 %	26 %
Vapor density:	Not determined	Not determined
Appearance / odor:	Clear to hazy liquid with salty odor	Same
pH:	6.8 – 7.2	8.8 – 9.2

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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. 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 with dike to prevent flow to sewers and streams. Pump into marked container for disposal or reclamation.

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

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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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July 5, 2007 Rev 6	<ol style="list-style-type: none"><li>1. Update pH range.</li><li>2. Supersedes May 11, 2004 (Rev 5).</li></ol>
May 11, 2004 Rev 5	<ol style="list-style-type: none"><li>1. Update pH range.</li><li>2. Addition of PJ Plant address as Manufacturer.</li><li>3. Supersedes November 24, 2003 (Rev 4).</li></ol>
November 24, 2003 Rev 4	<ol style="list-style-type: none"><li>1. Update Emergency Phone Number.</li><li>2. Revise percentage range.</li><li>3. Supersedes November 6, 2001 (Rev 3).</li></ol>
November 6, 2001 Rev 3	<ol style="list-style-type: none"><li>1. Update Section III</li><li>2. Update pH information</li><li>3. Addition of Treated Brine Solution information.</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 July 25, 2000 (Rev 1).</li></ol>
July 25, 2000 Rev 1	<ol style="list-style-type: none"><li>1. Update of site-specific information</li><li>2. Supersedes February 22, 2000.</li></ol>
February 22, 2000	<ol style="list-style-type: none"><li>1. Update of format</li><li>2. Supersedes 1991.</li></ol>

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