

# Material Safety Data Sheet

## Sodium chloride solutions, 0.5% - 30%

ACC# 75272

### Section 1 - Chemical Product and Company Identification

MSDS Name: Sodium chloride solutions, 0.5% - 30%

Catalog Numbers: LC23450, LC23460, LC23480, LC23485, LC23500, LC23510, LC23520, LC23540, LC23550, LC23570, TXC4083

Synonyms:

Company Identification:

Labchem Inc.

200 William Pitt Way

Pittsburgh, PA 15238

For information, call: 412-826-5230

For CHEMTREC assistance, call: 800-424-9300

For International CHEMTREC assistance, call: 703-527-3887

### Section 2 - Composition, Information on Ingredients

CAS#	Chemical Name	Percent	EINECS/ELINCS
7647-14-5	Sodium chloride	0.5-30	231-598-3
7732-18-5	Water	balance	231-791-2

Hazard Symbols: None listed.

Risk Phrases: None listed.

### Section 3 - Hazards Identification

#### EMERGENCY OVERVIEW

Appearance: colorless. May cause eye and skin irritation.

Target Organs: None known.

#### Potential Health Effects

Eye: Causes redness, pain, and irritation.

Skin: May cause mild skin irritation.

Ingestion: In large doses, may produce nausea, vomiting, muscular twitching, rigidity, convulsions.

Inhalation: Transitory irritation of throat and lungs.

Chronic: Prolonged or repeated skin contact may cause defatting and dermatitis.

## Section 4 - First Aid Measures

**Eyes:** Flush eyes with plenty of water for at least 15 minutes, occasionally lifting the upper and lower lids until no evidence of chemical remains. Get medical aid at once.

**Skin:** Get medical aid. Immediately flush skin with plenty of soap and water for at least 15 minutes while removing contaminated clothing and shoes. Remove contaminated clothing and shoes.

**Ingestion:** Get medical aid at once. Give oxygen if respiration is depressed.

**Inhalation:** Give artificial respiration if necessary. Get medical aid. Keep victim warm, at rest. Move victim to fresh air.

**Notes to Physician:** Treat symptomatically and supportively.

## Section 5 - Firefighting Measures

**General Information:** Negligible fire and explosion hazard when exposed to heat or flame. Move container if possible, avoid breathing vapors or dust.

**Extinguishing Media:** For small fires, use dry chemical, carbon dioxide, water spray or alcohol-resistant foam.

## Section 6 - Accidental Release Measures

**General Information:** Use proper personal protective equipment as indicated in Section 8.

**Spills/Leaks:** Absorb spills with absorbent (vermiculite, sand, fuller's earth) and place in plastic bags for later disposal.

## Section 7 - Handling and Storage

**Handling:** Wash thoroughly after handling. Avoid breathing dust, vapor, mist, or gas.

**Storage:** Store capped at room temperature. Protect from heat and water reactive substance (sodium, oleum).

## Section 8 - Exposure Controls, Personal Protection

**Engineering Controls:** Provide local exhaust or general dilution ventilation.

**Exposure Limits**

<b>Chemical Name</b>	<b>ACGIH</b>	<b>NIOSH</b>	<b>OSHA - Final PELs</b>
Sodium chloride	none listed	none listed	none listed
Water	none listed	none listed	none listed

OSHA Vacated PELs: Sodium chloride: No OSHA Vacated PELs are listed for this chemical.

Water: No OSHA Vacated PELs are listed for this chemical.

Personal Protective Equipment

Eyes: Do not wear contact lenses when working with chemicals. An eye wash fountain should be available in the immediate work area. Wear splash-proof safety goggles.

Skin: Wear appropriate protective gloves to prevent skin exposure.

Clothing: Wear appropriate protective clothing to prevent skin exposure.

Respirators: Not required for normal use.

## Section 9 - Physical and Chemical Properties

Physical State: Clear liquid

Appearance: colorless

Odor: odorless

pH: Not available.

Vapor Pressure: Not available.

Vapor Density: Not available.

Evaporation Rate: < ether

Viscosity: Not available.

Boiling Point: > 212 deg F

Freezing/Melting Point: < 32 deg F

Decomposition Temperature: Not available.

Autoignition Temperature: Not available.

Flash Point: Not available.

NFPA Rating: Not published.

Explosion Limits, Lower: Not available.

Upper: Not available.

Solubility: Soluble.

Specific Gravity/Density: 1.0 - > 1.0

Molecular Formula: Not available.

Molecular Weight: Not available.

## Section 10 - Stability and Reactivity

Chemical Stability: Stable under normal temperatures and pressures.

Conditions to Avoid: Incompatible materials.

Incompatibilities with Other Materials: Lithium, bromine trifluoride, metals.

Hazardous Decomposition Products: None.

Hazardous Polymerization: Has not been reported

## Section 11 - Toxicological Information

RTECS#:

CAS# 7647-14-5 unlisted.

CAS# 7732-18-5 unlisted.

LD50/LC50:

CAS# 7647-14-5:  
Oral, mouse: LD50 = 4 gm/kg;  
Oral, rat: LD50 = 3 gm/kg;

CAS# 7732-18-5:  
Oral, rat: LD50 = >90 mL/kg;

Carcinogenicity:

CAS# 7647-14-5: Not listed by ACGIH, IARC, NIOSH, NTP, or OSHA. CAS# 7732-18-5: Not listed by ACGIH, IARC, NIOSH, NTP, or OSHA.

Epidemiology: Sodium chloride is moderately toxic by oral, subcutaneous, intraperitoneal, intravenous routes; affects blood pressure. Mild irritant.

Teratogenicity: No data available.

Reproductive Effects: No data available.

Neurotoxicity: No data available.

Mutagenicity: No data available.

Other Studies: No data available.

## Section 12 - Ecological Information

No information available.

## Section 13 - Disposal Considerations

Chemical waste generators must determine whether a discarded chemical is classified as a hazardous waste. US EPA guidelines for the classification determination are listed in 40 CFR Parts 261.3. Additionally, waste generators must consult state and local hazardous waste regulations to ensure complete and accurate classification.

RCRA P-Series: None listed.

RCRA U-Series: None listed.

## Section 14 - Transport Information

	US DOT	IATA	RID/ADR	IMO	Canada TDG
<b>Shipping Name:</b>	ACETIC ACID, SOLUTION				No information available.
<b>Hazard Class:</b>	8				
<b>UN Number:</b>	UN2790				
<b>Packing Group:</b>	PG II				

## Section 15 - Regulatory Information

## US FEDERAL

### TSCA

CAS# 7647-14-5 is listed on the TSCA inventory.

CAS# 7732-18-5 is listed on the TSCA inventory.

Health & Safety Reporting List

None of the chemicals are on the Health & Safety Reporting List.

Chemical Test Rules

None of the chemicals in this product are under a Chemical Test Rule.

Section 12b

None of the chemicals are listed under TSCA Section 12b.

TSCA Significant New Use Rule

None of the chemicals in this material have a SNUR under TSCA.

### SARA

Section 302 (RQ)

None of the chemicals in this material have an RQ.

Section 302 (TPQ)

None of the chemicals in this product have a TPQ.

SARA Codes

CAS # 7647-14-5: acute.

Section 313

No chemicals are reportable under Section 313.

Clean Air Act:

This material does not contain any hazardous air pollutants. This material does not contain any Class 1 Ozone depletors. This material does not contain any Class 2 Ozone depletors.

Clean Water Act:

None of the chemicals in this product are listed as Hazardous Substances under the CWA. None of the chemicals in this product are listed as Priority Pollutants under the CWA. None of the chemicals in this product are listed as Toxic Pollutants under the CWA.

OSHA:

None of the chemicals in this product are considered highly hazardous by OSHA.

STATE

CAS# 7647-14-5 is not present on state lists from CA, PA, MN, MA, FL, or NJ.

CAS# 7732-18-5 is not present on state lists from CA, PA, MN, MA, FL, or NJ.

California No Significant Risk Level: None of the chemicals in this product are listed.

European/International Regulations

European Labeling in Accordance with EC Directives

Hazard Symbols:

Not available.

Risk Phrases:

Safety Phrases:

WGK (Water Danger/Protection)

CAS# 7647-14-5: 0

CAS# 7732-18-5: No information available.

Canada

CAS# 7647-14-5 is listed on Canada's DSL List. CAS# 7647-14-5 is listed on Canada's DSL List.

CAS# 7732-18-5 is listed on Canada's DSL List. CAS# 7732-18-5 is listed on Canada's DSL List.

WHMIS: Not available.

CAS# 7647-14-5 is not listed on Canada's Ingredient Disclosure List.

CAS# 7732-18-5 is not listed on Canada's Ingredient Disclosure List.

Exposure Limits

## Section 16 - Additional Information

MSDS Creation Date: 11/23/1997

Revision # 1 Date: 12/06/2000

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