

CHEMSTREAM StimSTREAM IC 1100



INNOVATION | CHEMISTRY | EXCELLENCE

Safety Data Sheet

According To Federal Register / Vol. 77, No. 58 / Monday, March 26, 2012 / Rules And Regulations And According To The Hazardous Products Regulation (February 11, 2015).

Revision Date: 8/20/2019

Date of Issue: 8/20/2019

Version: 1.0

SECTION 1: IDENTIFICATION

1.1. Product Identifier

Product Form: Mixture

Product Name: StimSTREAM IC 1100

1.2. Intended Use of the Product

Antiscalant. For professional use only.

1.3. Name, Address, and Telephone of the Responsible Party

Company

Chemstream, Inc.

511 Railroad Ave

Homer City, PA

(724) 915 - 8388

www.chemstream.com

1.4. Emergency Telephone Number

Emergency Number : Call CHEMTREC Day or Night 1 (800) 424 - 9300 / +1 (703) 527 - 3887

SECTION 2: HAZARDS IDENTIFICATION

2.1. Classification of the Substance or Mixture

GHS-US/CA Classification

2.2. Label Elements

GHS-US/CA Labeling

Hazard Pictograms (GHS-US): None

Signal Word (GHS-US): None

Hazard Statements (GHS-US):

Prevention: May causes mild skin irritation.
May cause eye irritation.

Precautionary Statements (GHS-US):

Response: Avoid breathing dust/fume/gas/mist/vapors/spray.
Do not get in eyes, on skin, or on clothing.
Use personal protective equipment as required.
IF ON SKIN: Wash with plenty of soap and water. Remove/Take off immediately all contaminated clothing. Rinse skin with water/shower.
IF INHALED: Remove victim to fresh air and keep at rest in a position comfortable for breathing.
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.
Storage: Keep container tightly closed. Keep container in a cool, well-ventilated area.
Disposal: Dispose of contents/ container to an approved waste disposal plant.

2.3. Other Hazards

No information available.

2.4. Unknown Acute Toxicity (GHS-US/CA)

No data available

SECTION 3: COMPOSITION/INFORMATION ON INGREDIENTS

3.1. Substance

Not applicable

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3.2. Mixture

Within the meaning of the OSHA Hazard Communication Standard [29 CFR 1910.1200] and Canada's Hazardous Products Regulations (HPR): this mixture is not considered a hazard when used in a manner which is consistent with the labeled directions.

SECTION 4: FIRST AID MEASURES

4.1. Description of First-aid Measures

First-aid Measures General: Never give anything by mouth to an unconscious person. If you feel unwell, seek medical advice (show the label where possible).

First-aid Measures After Inhalation: Remove to fresh air. If not breathing, give artificial respiration. If breathing is difficult, give oxygen.

First-aid Measures After Skin Contact: Rinse with water. Soap may be used. Seek Medical Aid.

First-aid Measures After Eye Contact: Wash eyes with plenty of water for at least 15 minutes, lifting lids occasionally. Seek Medical Aid.

First-aid Measures After Ingestion: If swallowed, induce vomiting immediately after giving two glasses of water. Never give anything by mouth to an unconscious person.

4.2. Most Important Symptoms and Effects Both Acute and Delayed

Symptoms/Injuries: No information available.

Symptoms/Injuries After Inhalation: No information available.

Symptoms/Injuries After Skin Contact: May cause mild skin irritation.

Symptoms/Injuries After Eye Contact: May cause eye irritation.

Symptoms/Injuries After Ingestion: No information available.

Chronic Symptoms: None known.

4.3. Indication of Any Immediate Medical Attention and Special Treatment Needed

If exposed or concerned, get medical advice and attention. If medical advice is needed, have product container or label at hand.

SECTION 5: FIRE-FIGHTING MEASURES

5.1. Extinguishing Media

Suitable Extinguishing Media: Use water spray, alcohol-resistant foam, dry chemical or carbon dioxide.

Unsuitable Extinguishing Media: Do not use a heavy water stream. Use of heavy stream of water may spread fire.

5.2. Special Hazards Arising From the Substance or Mixture

Fire Hazard: Not considered flammable but may burn at high temperatures.

Explosion Hazard: None

Reactivity: No information available.

5.3. Advice for Firefighters

Precautionary Measures Fire: Exercise caution when fighting any chemical fire.

Firefighting Instructions: Use water spray or fog for cooling exposed containers.

Protection During Firefighting: Do not enter fire area without proper protective equipment, including respiratory protection.

Hazardous Combustion Products: Sodium oxide, Fumes and Oxides of carbon.

Reference to Other Sections

Refer to Section 9 for flammability properties.

SECTION 6: ACCIDENTAL RELEASE MEASURES

6.1. Personal Precautions, Protective Equipment and Emergency Procedures

General Measures: Do not breathe vapor, mist or spray. Do not get in eyes, on skin, or on clothing

6.1.1. For Non-Emergency Personnel

Protective Equipment: Use appropriate personal protection equipment (PPE).

Emergency Procedures: Evacuate unnecessary personnel.

6.1.2. For Emergency Personnel

Protective Equipment: Equip cleanup crew with proper protection.

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Emergency Procedures: Upon arrival at the scene, a first responder is expected to recognize the presence of dangerous goods, protect oneself and the public, secure the area, and call for the assistance of trained personnel as soon as conditions permit. Ventilate area.

6.2. Environmental Precautions

Prevent entry to sewers and public waters.

6.3. Methods and Materials for Containment and Cleaning Up

For Containment: Contain any spills with dikes or absorbents to prevent migration and entry into sewers or streams.

Methods for Cleaning Up: Small Spill: Use appropriate tools to put the spilled material into a convenient waste disposal container. Finish cleaning by spreading water on the contaminated surface and dispose of according to legal requirements.

Large Spill: Do not inhale dust, mist, or gas. Avoid dust formation. Put the spilled material into a convenient waste disposal container. Finish cleaning by spreading water on the contaminated surface and allow to evacuate through the sanitary system. Be careful that the product is not present at a concentration level above TLV. Check TLV with local authorities.

6.4. Reference to Other Sections

See Section 8 for exposure controls and personal protection and Section 13 for disposal considerations.

SECTION 7: HANDLING AND STORAGE

7.1. Precautions for Safe Handling

Additional Hazards When Processed: None known

Precautions for Safe Handling: Wash hands and other exposed areas with mild soap and water before eating, drinking or smoking and when leaving work. Do not breathe dust. Keep away from incompatibles such as oxidizing agents, acids.

Hygiene Measures: Handle in accordance with good industrial hygiene and safety procedures.

7.2. Conditions for Safe Storage, Including Any Incompatibilities

Technical Measures: Comply with applicable regulations.

Storage Conditions: Keep container tightly closed. Keep container in a cool, well-ventilated area.

Incompatible Materials: oxidizing agents, acids

Packaging materials: Store in a tightly closed container.

7.3. Specific End Use(s)

Antiscalant. For professional use only.

SECTION 8: EXPOSURE CONTROLS/PERSONAL PROTECTION

8.1. Control Parameters

PEL (OSHA)	CAS	PEL (OSHA)	TLV (ACGIH)
Sodium Gluconate	527-07-1	15mg/m ³ (Total dust) 5mg/m ³ (Respirable particulate)	10mg/m ³ (Inhalable particulate) 3mg/m ³ (Respirable particulate)

For substances listed in section 3 that are not listed here, there are no established Exposure limits from the manufacturer, supplier, importer, or the appropriate advisory agency including: ACGIH (TLV), AIHA (WEEL), NIOSH (REL), OSHA (PEL), Canadian provincial governments, or the Mexican government.

8.2. Exposure Controls

Appropriate Engineering Controls: Use process enclosures, local exhaust ventilation, or other engineering controls to keep airborne levels below recommended exposure limits. If user operations generate dust, fume or mist, use ventilation to keep exposure to airborne contaminants below the exposure limit.

Personal Protective Equipment: Gloves. Protective clothing. Protective goggles.



Materials for Protective Clothing: Chemically resistant materials and fabrics.

Hand Protection: Wear protective gloves.

Eye Protection: Chemical safety goggles, splash goggles.

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Skin and Body Protection: Wear suitable protective clothing, lab coat.

Respiratory Protection: Dust respirator, if exposure limits are exceeded or irritation is experienced, approved respiratory protection should be worn. In case of inadequate ventilation, oxygen deficient atmosphere, or where exposure levels are not known wear approved respiratory protection.

Other Information: When using, do not eat, drink or smoke.

SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES

9.1. Information on Basic Physical and Chemical Properties

Physical State	: Liquid
Appearance	: Clear
Odor	: Odorless
Odor Threshold	: Not available
pH	: 5.0
Evaporation Rate	: Not available
Melting Point	: Not available
Freezing Point	: 14°F
Boiling Point	: Not available
Flash Point	: Not available
Auto-ignition Temperature	: Not available
Decomposition Temperature	: Not available
Flammability (solid, gas)	: Not available
Lower Flammable Limit	: Not available
Upper Flammable Limit	: Not available
Vapor Pressure	: Not available
Relative Vapor Density at 20°C	: Not available
Relative Density	: Not available
Specific Gravity	: 1.29
Solubility	: Water: Dispersible
Partition Coefficient: N-Octanol/Water	: Not available
Viscosity	: Not available

SECTION 10: STABILITY AND REACTIVITY

- 10.1. Reactivity:** The product is stable and non-reactive under normal conditions of use, storage and transport.
- 10.2. Chemical Stability:** Stable under recommended handling and storage conditions (see section 7).
- 10.3. Possibility of Hazardous Reactions:** Hazardous polymerization will not occur.
- 10.4. Conditions to Avoid:** Incompatible materials
- 10.5. Incompatible Materials:** Heat, light, strong oxidizing agents, bases, amines, reducing agents, acids, acid anhydrides.
- 10.6. Hazardous Decomposition Products:** Sodium oxide, Fumes and Oxides of carbon evolved in fire.

SECTION 11: TOXICOLOGICAL INFORMATION

11.1. Information on Toxicological Effects -

- Skin Corrosion/Irritation:** Not classified
- Eye Damage/Irritation:** Not classified
- Respiratory or Skin Sensitization:** Not classified
- Germ Cell Mutagenicity:** Not classified
- Carcinogenicity:** Not classified
- Specific Target Organ Toxicity (Repeated Exposure):** Not classified
- Reproductive Toxicity:** Not classified

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Specific Target Organ Toxicity (Single Exposure): Not classified

Aspiration Hazard: Not classified

Symptoms/Injuries After Inhalation: No information available.

Symptoms/Injuries After Skin Contact: May causes mild skin irritation.

Symptoms/Injuries After Eye Contact: May causes eye irritation.

Symptoms/Injuries After Ingestion: No information available.

Chronic Symptoms: None known.

11.2. Information on Toxicological Effects - Ingredient(s)

LD50 and LC50 Data:

Acute Toxicity (Oral): Not classified

Sodium Gluconate	
LD50 Oral Rat	>2000 mg/kg
LD50 Intravenous Rabbit	7630 mg/kg

SECTION 12: ECOLOGICAL INFORMATION

12.1. Toxicity

Ecology - General: No data available

12.2. Persistence and Degradability

Persistence and Degradability	Not established.
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12.3. Bioaccumulative Potential

Bioaccumulative Potential	Not established.
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12.4. Mobility in Soil Not available

12.5. Other Adverse Effects

Other Information: Avoid release to the environment.

SECTION 13: DISPOSAL CONSIDERATIONS

13.1. Waste treatment methods

Waste Disposal Recommendations: Dispose of contents/container in accordance with local, regional, national, territorial, provincial, and international regulations

Additional Information: Empty containers should be taken to an approved waste handling site for recycling or disposal. Since emptied containers may retain product residue, follow label warnings even after container is emptied.

SECTION 14: TRANSPORT INFORMATION

The shipping description(s) stated herein were prepared in accordance with certain assumptions at the time the SDS was authored, and can vary based on a number of variables that may or may not have been known at the time the SDS was issued.

14.1. In Accordance with DOT

Proper Shipping Name : Not regulated as dangerous goods
Hazard Class :
Identification Number :
Label Codes :
Packing Group :
ERG Number :

SECTION 15: REGULATORY INFORMATION

15.1. US Federal Regulations

US EPCRA (SARA Title III) Section 313 - Toxic Chemical: Listed substance None listed.

TSCA Section 12(b) Export Notification (40 CFR 707, Subpt. D) Not regulated.

CERCLA (Superfund) reportable quantity, lbs None listed.

Superfund Amendments and Reauthorization Act of 1986 (SARA) Hazard categories

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Immediate Hazard - No

Delayed Hazard - No

Fire Hazard - No

Pressure Hazard - No

Reactivity Hazard - No

SARA 302 Extremely hazardous substance Not listed.

SARA 311/312 Hazardous chemical No

15.2. US State Regulations

Massachusetts Right To Know Components: No components are subject to the Massachusetts Right to Know Act.

Pennsylvania Right To Know Components: Sodium gluconate CAS-No. 527-07-1

New Jersey Right To Know Components: Sodium gluconate CAS-No. 527-07-1

California Prop. 65 Components: This product does not contain any chemicals known to State of California to cause cancer, birth defects, or any other reproductive harm.

SECTION 16: OTHER INFORMATION, INCLUDING DATE OF PREPARATION OR LAST REVISION

Revision Date : 8/05/2019

Other Information : This document has been prepared in accordance with the SDS requirements of the OSHA Hazard Communication Standard 29 CFR 1910.1200 and Canada's Hazardous Products Regulations (HPR).

GHS Full Text Phrases:

Hazard Rating System:

NFPA:

Health: 0

Flammability: 0

Instability: 0

HMIS:

Health: 0

Flammability: 0

Reactivity: 0

PPE Code: B

Note: NFPA = National Fire Protection Agency

Hazard Rating Scale: 0=Minimal; 1=Slight; 2=Moderate; 3=Serious; 4=Severe

This information is based on our current knowledge and is intended to describe the product for the purposes of health, safety and environmental requirements only. It should not therefore be construed as guaranteeing any specific property of the product.