



SAFETY DATA SHEET

Section 1: Chemical Product and Company Identification

Product name: Streamline's Blue Heat

Product Code: 104

Chemical Use: Ice Melt

Date Prepared: 4/15/15

Supersedes: New

Restrictions on use: Use in accordance with all Federal, State and local regulations.

Company Identification: Streamline Supply Inc.
460 N. 1000 W.
Centerville, Utah 84014

Manufactured by: Streamline Supply Inc.
460 N. 1000 W.
Centerville, Utah 84014

Emergency Telephone Numbers: **For Transportation Emergency:** PERS (800) 633-8253
For Medical Emergency: PERS (800) 633-8253 or (877) 350-5426
For SDS or other information: (877) 350-5426 or (801) 294-2980
Email: info@streamlinesupply.com
Fax: (801) 294-2626

Section 2: Hazard(s) Identification

GHS Classification: **Serious Eye Damage/Eye Irritation:** Category 2A

GHS Label element

Hazard pictograms:



Signal Word: WARNING

Hazard Statements: H319 Causes serious eye irritation

PRECAUTIONARY STATEMENTS:

Prevention: P264 Wash exposed skin thoroughly after handling.
P280 Wear protective gloves, protective clothing, face and eye protection.

Response: IF ON SKIN: Wash with plenty of water.
Take off contaminated clothing and wash it before reuse.
If skin irritation occurs: Get medical attention.

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 attention.

Section 3: Composition/Information on Ingredients

CHEMICAL NAME	CAS NUMBER	% BY WEIGHT
Sodium chloride	7647-14-5	>=70% - <=95%
Calcium chloride	10043-52-4	>= 3% - <=10%
Potassium chloride	7447-40-7	>= 1% - <=5%
Magnesium chloride	7791-18-6	>= 1% - <=5%

The specific chemical identity of this composition is being withheld as a trade secret

Section 4: First Aid Measures**First Aid Procedures:**

General Advice: Consult a physician. Show safety data sheet to doctor in attendance.

EYE CONTACT: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. If eye irritation persists get medical attention.

IF ON SKIN: Wash with plenty of water. Take off contaminated clothing and shoes. Wash these before reuse. If skin irritation occurs get medical attention.

INHALATION: Moved exposed person to fresh air. If not breathing, give artificial respiration. If breathing is difficult, give oxygen. Get medical attention immediately.

INGESTION: Do NOT induce vomiting unless directed to do so by medical personnel. Rinse mouth. If vomiting occurs, the head should be kept low so vomit does not enter the lungs. If affected person is conscious, give plenty of water to drink. Never give anything by mouth to an unconscious person. Get medical attention immediately.

Most important symptoms or effects are described in labeling (see section 2) and or section 11.

Indication of any immediate medical attention and special treatment needed: No data available

Section 5: Fire-Fighting Measures

Suitable extinguishing media: Foam. Dry powder. Carbon dioxide. Water spray. Sand.

Unsuitable extinguishing media: No data available

Specific hazards arising from chemical: Hydrogen chloride gas, Calcium oxide

Special protective action for fire-fighters: Wear self-contained breathing apparatus for firefighting if necessary.

Specific Explosion Hazards: No data available.

Section 6: Accidental Release Measures**Steps to Take in Case Material Is Released or Spilled:****Personal precautions, protective equipment and emergency procedures:****For non-emergency personnel:**

Always use proper personal protective equipment as described in section 8. Avoid dust formation. Avoid breathing vapours, mist or gas. Ensure adequate ventilation. Avoid breathing dust. Do not let product enter drains.

For emergency responders:

Wear proper protection during cleanup. See section 8. Ventilate area.

Environmental precautions:

Avoid run-off into storm sewers and ditches that lead to waterways.

Section 6: Accidental Release Measures (continued)**Method and materials for containment and cleaning up:**

Pick up by sweeping and shovel without creating dust. Keep in suitable, closed container for disposal according to Federal, State, and local regulations.

Reference to other sections: See section 13 for disposal information.

Section 7: Handling and Storage

Precautions: Always use proper personal protective equipment as described in section 8. Wash thoroughly after handling. Avoid contact with eyes, skin, and clothing. Remove contaminated clothing and wash before reuse. Do not ingest. Use with adequate ventilation. Avoid breathing vapor, mist or dust. Observe label precautions and direction for use.

Storage: Store in original container protected from direct sunlight in a dry, cool and well-ventilated area. Store away from strong acids and oxidizing materials. Keep away from food and drinks. Keep in a tightly closed container. Avoid humid or wet conditions as product will cake and become hard.

Specific end use(s): Apart from the use mention in section 1 no other uses are stipulated.

Section 8: Exposure Controls/Personal Protection**Exposure Controls/Personal Protection****Control parameters****Components with workplace control parameters**

Contains no substances with occupational exposure limit values.

Exposure controls**Appropriate engineering controls**

Handle in accordance with good industrial hygiene and safety practice. Wash hands before breaks and at the end of the workday.

Personal protective equipment**Eye/face protection:**

Safety glasses with side-shields conforming to EN166 Use equipment for eye protection tested and approved under appropriate government standards such as NIOSH (US) or EN 166(EU).

Skin protection:

Handle with gloves. Wear appropriate chemical resistant gloves. Nitrile, latex or rubber gloves are recommended.

Body protection:

Wear suitable protective clothing. Impervious clothing.

Respiratory protection

For nuisance exposures use type P95 (US) or type P1 (EU EN 143) particle respirator. For higher level protection use type OV/AG/P99 (US) or type ABEK-P2 (EU EN 143) respirator cartridges. Use respirators and components tested and approved under appropriate government standards such as NIOSH (US) or CEN (EU).

Engineering Controls

Engineering Measures: Ventilation should be sufficient to effectively remove and prevent buildup of any dusts or fumes that may be generated during handling.

Section 9: Physical Data

Appearance: Blue crystalline

Odor: No data available

Odor Threshold: No data available

pH: 6 - 9

Melting/freezing Point: No data available

Boiling Point: No data available

Boiling Range: No data available

Flash Point: No data available

Evaporation Rate: No data available

Upper /lower flammability or

Explosive Limits: No data available

Vapor Pressure: No data available

Vapor Density (Air =1): No data available

Relative density: 2.16

Weight/gallon: No data available.

Solubility in Water: Soluble in water

Partition coefficient

n-octanol/water): No data available

Auto-ignition Temperature: No data available

Decomposition Temperature: No data available

Viscosity: No data available

Section 10: Stability and Reactivity

Reactivity: The product is stable and non-reactive under normal conditions of use, storage and transport.

Stability: Stable under recommended storage conditions.

Conditions to Avoid: Contact with incompatible materials. Exposure to moisture may affect product quality. Avoid dispersal of dust in the air (i.e., clearing dust surfaces with compressed air).

Incompatibility With Various Substances: Strong oxidizing agents and acids.

Hazardous Decomposition Products: May evolve chlorine gas when in contact with strong acids.

Section 11: Toxicological Information**Information on likely routes of exposure**

Inhalation: Inhalation of dusts may cause respiratory irritation.

Skin contact: Prolonged or repeated skin contact may cause irritation.

Eye contact: Dust in the eyes will cause irritation.

Ingestion: Expected to be a low ingestion hazard.

Symptoms related to the physical, chemical and toxicological characteristics:

Eye and skin contact: Exposure may cause temporary irritation, redness, or discomfort. For ingestion, consuming less than a few grams would not be harmful. The following effects were observed after ingesting an excessive quantity: nausea and vomiting, diarrhea, cramps, restlessness, irritability, dehydration, water retention, nose bleed, gastrointestinal tract damage, fever, sweating, sunken eyes, high blood pressure, muscle weakness, dry mouth and nose, shock, cerebral edema (fluid on brain), pulmonary edema (fluid in lungs), blood cell shrinkage, and brain damage (due to dehydration of brain cells). Death is generally due to cardiovascular collapse or CNS damage.

Section 11: Toxicological Information (continued)**Information on toxicological effects**

Acute toxicity: In some cases of confirmed hypertension, ingestion may result in elevated blood pressure.

Acute toxicity

LD50 *Oral* - Rat - 2,301 mg/kg
(OECD Test Guideline 401)

Inhalation: No data available

Dermal: No data available

No data available

Skin corrosion/irritation

Skin - Rabbit

Result: No skin irritation

Serious eye damage/eye irritation

Eyes - Rabbit

Result: Moderate eye irritation
(OECD Test Guideline 405)

Respiratory or skin sensitisation

No data available

Germ cell mutagenicity

Rat

Unscheduled DNA synthesis

Carcinogenicity

IARC: No component of this product present at levels greater than or equal to 0.1% is identified as probable, possible or confirmed human carcinogen by IARC.

ACGIH: No component of this product present at levels greater than or equal to 0.1% is identified as a carcinogen or potential carcinogen by ACGIH.

NTP: No component of this product present at levels greater than or equal to 0.1% is identified as a known or anticipated carcinogen by NTP.

OSHA: No component of this product present at levels greater than or equal to 0.1% is identified as a carcinogen or potential carcinogen by OSHA.

Reproductive toxicity: No data available

Specific target organ toxicity - single exposure: No data available

Specific target organ toxicity - repeated exposure: No data available

Aspiration hazard: No data available

Additional Information: To the best of our knowledge, the chemical, physical, and toxicological properties have not been thoroughly investigated.

Section 12: Ecological Information**Toxicity**

Toxicity to fish LC50 - Lepomis macrochirus - 10,650 mg/l - 96 h

Toxicity to daphnia and other aquatic invertebrates: EC50 - Daphnia magna (Water flea) - 2,400 mg/l - 48 h (OECD Test Guideline 202)

Persistence and degradability

No data available

Bioaccumulative potential

No data available

Mobility in soil

No data available

Results of PBT and vPvB assessment

PBT/vPvB assessment not available as chemical safety assessment not required/not conducted

Other adverse effects

The product is not classified as environmentally hazardous. However, this does not exclude the possibility that large or frequent spills can have a harmful or damaging effect on the environment.

Section 13: Disposal Information

Disposal Considerations: Material that cannot be saved for recovery or recycling should be managed in an appropriate and approved waste facility. Processing, use or contamination of this product may change the waste management options. Waste generators must decide if discarded material is a hazardous waste. State and local disposal regulations may differ from federal disposal definitions found in 40 CFR 261.3. Dispose of container and unused contents in accordance with federal, state and local requirements.

Section 14: Transportation Information**DOT**

Not regulated as dangerous goods.

IATA

Not regulated as dangerous goods.

IMDG

Not regulated as dangerous goods.

**Transport in bulk according to - Not applicable.
Annex II of MARPOL 73/78 and
the IBC Code**

Section 15: Regulatory Information

SARA 302 Components

No chemicals in this material are subject to the reporting requirements of SARA Title III, Section 302.

SARA 313 Components

This material does not contain any chemical components with known CAS numbers that exceed the threshold (DeMinimis) reporting levels established by SARA Title III, Section 313.

Massachusetts Right To Know Components

No components are subject to the Massachusetts Right to Know Act.

Pennsylvania Right To Know Components

Calcium chloride CAS#: 10043-52-4

New Jersey Right To Know Components

Calcium chloride CAS#:10043-52-4

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

Hazardous Materials Identification System (HMIS)

NOTE: HMIS ratings use a numbering scale that ranges from 0 - 4 to indicate the degree of hazard. A value of zero means the chemical presents no hazard while a value of four indicates a high hazard. These ratings are based on the inherent properties of this chemical under expected conditions of normal use and are not intended to be used in emergency situations. PPE is determined by the user based on their needs and conditions.

HEALTH	2
FLAMMABILITY	0
PHYSICAL HAZARD	0
PERSONAL PROTECTION	B

National Fire Protective Association: Health - 2, Flammability - 0, Reactivity - 0

NOTE: NFPA ratings use a numbering scale that ranges from 0 - 4 to indicate the degree of hazard. A value of zero means the chemical presents no hazard while a value of four indicates a high hazard. They are for use by emergency personnel to address the hazards that are presented by short term, acute exposure to this product under fire, spill, or similar emergencies. Ratings involve data and interpretations that may vary from company to company.



Section 16: Other Information (continued)

OVERVIEW

This information was compiled from current manufacturer's SDS's of the component parts of the product.

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