



SAFETY DATA SHEET

ASI Warrior Snow and Ice Melt

1. Product and Company Identification

Product Code: WARRIORSNOW
Product Name: ASI Warrior Snow and Ice Melt
Trade Name: Ice Melt
Company Name: Advanced Seasonal Innovations
 16850 120th Ave.
 Suite E
 Nunica, MI 49448
Phone Number: (866)622-7222
Emergency Contact Information: 866-622-7222
 Mon-Fri (9AM-5PM)
Synonyms: Ice Melt.

2. Hazards Identification

Serious Eye Damage/Eye Irritation, Category 2A



GHS Signal Word: **Warning**
GHS Hazard Phrases: Causes serious eye irritation.
GHS Precaution Phrases: Wash hands thoroughly after handling.
 Avoid breathing dust.
 Wear appropriate personal protective equipment.
GHS Response Phrases: 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.
GHS Storage and Disposal Phrases: Store in a closed container. Store in a dry place.
Inhalation: May cause respiratory tract irritation. May be harmful if inhaled. Avoid breathing dust.
Skin Contact: May cause skin irritation. May be harmful if absorbed through the skin. Wash hands thoroughly after handling.
Eye Contact: Causes serious eye irritation. Exposure to solid may cause pain and redness.
Ingestion: Harmful if swallowed. If swallowed, drink water or milk and see a physician.

3. Composition/Information on Ingredients

CAS #	Hazardous Components (Chemical Name)	Concentration
7647-14-5	Sodium chloride	90.0 - 96.0 %
1317-65-3	Limestone	0 - 1.90 %
NA	Liquid Calcium	0 - 3.00 %
NA	Polymer	0 - 3.00 %



4. First Aid Measures

Emergency and First Aid Procedures:

In Case of Inhalation: Remove from exposure and move to fresh air immediately. If not breathing, give artificial respiration. If breathing is difficult, give oxygen. Get medical aid if cough or other symptoms appear.

In Case of Skin Contact: Flush skin with plenty of water for at least 15 minutes while removing contaminated clothing and shoes. Get medical aid if irritation develops or persists.

In Case of Eye Contact: Flush eyes with plenty of water for at least 15 minutes, occasionally lifting the upper and lower eyelids. If irritation develops, get medical aid.

In Case of Ingestion: Do NOT induce vomiting. Get medical aid if irritation or symptoms occur.

Never give anything by mouth to an unconscious person. Rinse mouth with water.

Signs and Symptoms Of Exposure: To the best of our knowledge, the chemical, physical, and toxicological properties have not been thoroughly investigated.

Note to Physician: Treat symptomatically and supportively.

5. Fire Fighting Measures

Flash Pt: No data.

Explosive Limits: LEL: No data. UEL: No data.

Autoignition Pt: No data.

Suitable Extinguishing Media: Substance is noncombustible; use agent most appropriate to extinguish surrounding fire.

Fire Fighting Instructions: As in any fire, wear a self-contained breathing apparatus in pressure-demand, MSHA/NIOSH (approved or equivalent), and full protective gear. Substance is noncombustible.

Flammable Properties and Hazards: Not flammable or combustible.

Hazardous Combustion Products: No data available.

6. Accidental Release Measures

Protective Precautions, Protective Equipment and Emergency Procedures: Wear appropriate protective eyeglasses or chemical safety goggles as described by OSHA's eye and face protection regulations in 29 CFR 1910.133 or European Standard EN166.

Environmental Precautions: If possible, dispose of unused product by completely using it for its intended purpose according to label instructions.

Steps To Be Taken In Case Material Is Released Or Spilled: Use proper personal protective equipment as indicated in Section 8. Spills/Leaks: Vacuum or sweep up material and place into a suitable disposal container. Avoid generating dusty conditions. Provide ventilation. Do not let this product enter the environment except as directed on product label. Sweep up and shovel. Keep in suitable, closed containers for disposal.



SAFETY DATA SHEET

ASI Warrior Snow and Ice Melt

7. Handling and Storage

Precautions To Be Taken in Handling: Use with adequate ventilation. Minimize dust generation and accumulation. Avoid contact with eyes, skin, and clothing. Avoid ingestion and inhalation.

Precautions To Be Taken in Storing: Store in a closed container and in a dry place.

8. Exposure Controls/Personal Protection

CAS #	Partial Chemical Name	OSHA TWA	ACGIH TWA	Other Limits
7647-14-5	Sodium chloride	No data.	No data.	No data.
1317-65-3	Limestone	PEL: 15 (dust); 5 (resp.) mg/m3	No data.	No data.
NA	Liquid Calcium	No data.	No data.	No data.
NA	Polymer	No data.	No data.	No data.

Recommended Exposure Limits: If shown in the preceding chart, the exposure limits for quartz are for respirable crystalline silica, which includes quartz, cristobalite, and/or tridymite forms.

Respiratory Equipment (Specify Type): Follow the OSHA respirator regulations found in 29 CFR 1910.134 or European Standard EN 149. Use a NIOSH/MSHA or European Standard EN 149 approved respirator if exposure limits are exceeded or if irritation or other symptoms are experienced.
Respirator protection is not normally required.

Eye Protection: Wear appropriate protective eyeglasses or chemical safety goggles as described by OSHA's eye and face protection regulations in 29 CFR 1910.133 or European Standard EN166.

Protective Gloves: Wear appropriate protective gloves to prevent skin exposure.

Other Protective Clothing: Wear appropriate protective clothing to prevent skin exposure.

Engineering Controls (Ventilation etc.): Facilities storing or utilizing this material should be equipped with an eyewash facility and a safety shower. Use adequate ventilation to keep airborne concentrations low. Good general ventilation should be sufficient to control airborne levels.

9. Physical and Chemical Properties

Physical States: Gas Liquid Solid

Appearance and Odor: Granular solid.
Blue to Blue/Green
No apparent odor.

pH: No data.

Melting Point: ~ 801 C

Boiling Point: ~ 1410 C

Flash Pt: No data.

Evaporation Rate: No data.

Flammability (solid, gas): No data available.

Explosive Limits: LEL: No data. UEL: No data.

Vapor Pressure (vs. Air or mm Hg): No data.

Vapor Density (vs. Air = 1): No data.



SAFETY DATA SHEET

ASI Warrior Snow and Ice Melt

Page: 4 of 6
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Supersedes Revision: 05/23/2017

Specific Gravity (Water = 1): ~ 2.153
Bulk density: ~ 68 LB/CF
Solubility in Water: ~ 359 - g/l
Octanol/Water Partition Coefficient: No data.
Autoignition Pt: No data.
Decomposition Temperature: No data.
Viscosity: No data.

10. Stability and Reactivity

Stability: Unstable [] Stable [X]
Conditions To Avoid - Instability: Incompatible materials, dust generation, exposure to moist air or water.
Incompatibility - Materials To Avoid: Metals. Strong oxidizing agents, strong acids, nitrogen compounds.
Hazardous Decomposition or Byproducts: Hydrogen chloride, sodium oxide, chlorine.
Possibility of Hazardous Reactions: Will occur [] Will not occur [X]
Conditions To Avoid - Hazardous Reactions: No data available.

11. Toxicological Information

Toxicological Information: Epidemiology: The only adverse effect noted from occupational exposures have been mild nasal irritation with exposure to high dust levels and hypertension.
Teratogenicity: No information available.
Reproductive Effects: No information found.
Mutagenicity: No information found.
Neurotoxicity: No information found.

CAS# 7647-14-5: Sodium chloride:
Acute toxicity, TDLo, Oral, Human, 12357. MG/KG, 23 D; American Journal of Digestive Diseases., For publisher information, see DDSCDJ, New York, NY, Vol/p/yr: 21,180, 1954

Acute toxicity, LD50, Oral, Rat, 3.000 GM/KG; Toxicology and Applied Pharmacology, Academic Press, Inc., 1 E. First St., Duluth, MN 55802, Vol/p/yr: 20,57, 1971

Acute toxicity, LC50, Inhalation, Rat, > 42.00 GM/M3, 1 H; BIOFAX Industrial Bio-Test Laboratories, Inc., Data Sheets., Vol/p/yr: 20-3, 1971

Standard Draize Test, Skin, Species: Rabbit, 50.00 MG, 24 H; BIOFAX Industrial Bio-Test Laboratories, Inc., Data Sheets., Vol/p/yr: 20-3, 1971

Standard Draize Test, Eyes, Species: Rabbit, 100.0 MG; BIOFAX Industrial Bio-Test Laboratories, Inc., Data Sheets., Vol/p/yr: 20-3, 1971

Irritation or Corrosion: Serious eye damage/eye irritation.

Carcinogenicity/Other Information: This material may contain small amounts of respirable crystalline and amorphous silica. The International Agency for Cancer Research (IARC) has classified crystalline silica as a carcinogen to humans (Group 1), and amorphous silica as not classifiable as to its



SAFETY DATA SHEET

ASI Warrior Snow and Ice Melt

carcinogenicity to humans (Group 3). See "Silica, Some Silicates, Coal dust and para-Aramid Fibrils in IARC Monographs on the Evaluation of Carcinogenic Risks to Humans", (Vol. 68).

CAS #	Hazardous Components (Chemical Name)	NTP	IARC	ACGIH	OSHA
7647-14-5	Sodium chloride	n.a.	n.a.	n.a.	n.a.
1317-65-3	Limestone	n.a.	n.a.	n.a.	n.a.
NA	Liquid Calcium	n.a.	n.a.	n.a.	n.a.
NA	Polymer	n.a.	n.a.	n.a.	n.a.

12. Ecological Information

General Ecological Information: Other: Do not empty into drains.

CAS# 7647-14-5: Sodium chloride:
 LC50, Rainbow Trout (*Oncorhynchus mykiss*), egg(s), 7461000. UG/L, 96 H, Mortality,
 Water temperature: 9.8 C C, pH: 7.65, Hardness: 46.00 mg/L; Criteria Document Data.
 Memorandum to D.J. Call, Center for Lake Superior Environmental Studies, University of
 Wisconsin-Superior. September 16, 1986, Spehar, R.L., 1986

Bioaccumulative Potential: No information found.

Mobility in Soil: No data available.

13. Disposal Considerations

Waste Disposal Method: 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. 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.

14. Transport Information

LAND TRANSPORT (US DOT):

DOT Proper Shipping Name: Not Regulated.

DOT Hazard Class:

UN/NA Number:

15. Regulatory Information

EPA SARA (Superfund Amendments and Reauthorization Act of 1986) Lists

CAS #	Hazardous Components (Chemical Name)	S. 302 (EHS)	S. 304 RQ	S. 313 (TRI)
7647-14-5	Sodium chloride	No	No	No
1317-65-3	Limestone	No	No	No
NA	Liquid Calcium	No	No	No
NA	Polymer	No	No	No

This material meets the EPA 'Hazard Categories' defined for SARA Title III Sections

<input checked="" type="checkbox"/> Yes	<input type="checkbox"/> No	Acute (immediate) Health Hazard
<input type="checkbox"/> Yes	<input checked="" type="checkbox"/> No	Chronic (delayed) Health Hazard
<input type="checkbox"/> Yes	<input checked="" type="checkbox"/> No	Fire Hazard



SAFETY DATA SHEET

ASI Warrior Snow and Ice Melt

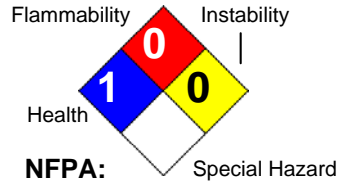
311/312 as indicated: Yes No Sudden Release of Pressure Hazard
 Yes No Reactive Hazard

CAS #	Hazardous Components (Chemical Name)	Other US EPA or State Lists
7647-14-5	Sodium chloride	CAA HAP,ODC: No; CWA NPDES: No; TSCA: Yes - Inventory; CA PROP.65: No; MA Oil/HazMat: No; MI CMR, Part 5: No; NJ EHS: No; NY Part 597: No; PA HSL: No
1317-65-3	Limestone	CAA HAP,ODC: No; CWA NPDES: No; TSCA: Yes - Inventory; CA PROP.65: No; MA Oil/HazMat: No; MI CMR, Part 5: No; NJ EHS: No; NY Part 597: No; PA HSL: Yes - 1
NA	Liquid Calcium	CAA HAP,ODC: No; CWA NPDES: No; TSCA: No; CA PROP.65: No; MA Oil/HazMat: No; MI CMR, Part 5: No; NJ EHS: No; NY Part 597: No; PA HSL: No
NA	Polymer	CAA HAP,ODC: No; CWA NPDES: No; TSCA: No; CA PROP.65: No; MA Oil/HazMat: No; MI CMR, Part 5: No; NJ EHS: No; NY Part 597: No; PA HSL: No

16. Other Information

Revision Date: 05/24/2017

Hazard Rating System:



Additional Information About No data available.

This Product:

Company Policy or

Disclaimer:

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