



SAFETY DATA SHEET

Section 1: Product Identification

Product Name: Alberger® Shur-Flo® Salts
Chemical Name:
Synonyms: Sodium Chloride (Salt) Treated with Sodium Silicoaluminate, Glycerine, and Yellow Prussiate of Soda. * Alberger® Shur-Flo® Fine Flake and Flour Salts. * Alberger Shur-Flo Salts.
Product Use: Salt may be intended for food or animal feed (agricultural) as well as several industrial applications including deicing and water conditioning.
Supplier's Details: Cargill Incorporated
Minneapolis, MN 55440
Phone Number: 1-888-385-7258
Emergency Contact: CHEMTREC (800) 424-9300

Section 2: Hazard Identification

Classification(GHS): Not classified
GHS Labelling: Not classified
Percentage: Not classified
Other Hazards: Not classified

Section 3: Composition/Information On Ingredients

Mixtures

Chemical Name	CAS Number	%
Sodium Chloride	7647-14-5	99.5695-99.687
Sodium alumino silicate	1344-00-9	.25-.35
Glycerin	56-81-5	.0625-.080
Sodium ferrocyanide Decahydrate	13601-19-9	.0005-.0013



Section 4: First-Aid Measures

Inhalation:	If dust from the material is inhaled, remove the affected person immediately to fresh air. Call a physician if symptoms develop or persist.
Skin and Eye:	Flush with soap and/or water
Ingestion:	Give one or two glasses of water if patient is alert and able to swallow. Get medical attention if symptoms occur.

Section 5: Fire-Fighting Measures

Suitable extinguishing media	Water fog. Foam. Dry chemical powder. Carbon dioxide (CO ₂).
Unsuitable extinguishing Media	Do not use water jet as an extinguisher, as this will spread the fire.
Specific hazards arising from the chemical	During fire, gases hazardous to health may be formed.
Special protective equipment and precautions for firefighters	Self-contained breathing apparatus and full protective clothing must be worn in case of fire.
Fire fighting equipment/instructions	Use water spray to cool unopened containers.
Specific methods	Use standard firefighting procedures and consider the hazards of other involved materials.
General fire hazards	This product is not flammable or combustible.

Section 6: Accidental Release Measures

Non-hazardous:	If sweeping of a contaminated area is necessary use a dust suppressant agent which does not react with the product. Collect dust using a vacuum cleaner equipped with HEPA filter. Minimize dust generation and
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accumulation. Avoid release to the environment. Following product recovery, flush area with water. For waste disposal, see section 13 of the SDS.

Section 7: Handling And Storage

Store in original tightly closed container. Store in a well-ventilated place. Store away from incompatible materials (see Section 10 of the SDS). Becomes hygroscopic at 70-75% relative humidity. Avoid humid or wet conditions as product will cake and become hard.

Section 8: Exposure Controls/Personal Protection

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

Personal Protective Equipment: Unvented, tight fitting goggles should be worn in dusty areas. Wear appropriate chemical resistant gloves. Wear suitable protective clothing. Use a NIOSH/MSHA approved respirator if there is a risk of exposure to dust/fume at levels exceeding the exposure limits.

Section 9: Physical And Chemical Properties

Appearance/Physical State:	White crystalline solid
Vapour Pressure:	2.4 mm Hg (1376.6 °F (747 °C))
Vapour Density (Air=1.0)	Not available
Evaporation Rate	Not available
Solubility in Water (g/100cc)	26.4 %
Relative Density (gm/cc, Water = 1.0)	2.16
% Volatile by Volume	
Melting Point(°C)	1473.8°F (801 °C)
Boiling Point (°C) @ 760mm	2669 °F (1465 °C) (760 mmHg)



Section 10: Stability And Reactivity

Chemical Stability:	Material is stable under normal conditions
Conditions to Avoid:	Contact with incompatible materials. Avoid dispersal of dust in the air (i.e., clearing dust surfaces with compressed air).
Incompatible Materials:	Avoid contact with strong acids. Becomes corrosive to metals when wet.
Hazardous Decomposition Products:	May evolve chlorine gas when in contact with strong acids

Section 11: Toxicological Information

Acute Toxicity:	In some cases of confirmed hypertension, ingestion may result in elevated blood pressure
Sodium alumino silicate (CAS 1344-00-9)	Dermal, LD50 Rabbit >5000 mg/kg, 24h Inhalation, LC50 Rat >2.08 mg/l, 4h
Sodium Chloride (CAS 7647-14-5)	Oral, LD50 Mouse 4000 mg/kg Oral, LD50 Rat 3000 mg/kg Other, LD50 Mouse 2602 mg/kg
Respiratory or Skin Sensitization:	Prolonged contact may cause irritation
Germ Cell Mutagenicity:	No data available to indicate product or any components present at greater than 0.1% are mutagenic or genotoxic
Carcinogenicity:	This product is not considered to be a carcinogen by IARC, ACGIH, NTP, or OSHA
Specific Target Organ Toxicity (Repeated Exposure):	Not classified
Reproductive Toxicity:	This product is not expected to cause reproductive or developmental effects
Specific Target Organ Toxicity (Single Exposure):	Not classified
Aspiration Hazard:	Due to the physical form of the product it is not an aspiration hazard



Section 12: Ecological Information

Toxicity	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.
LC50 Fish	1800-3200 mg/l (Exposure time: 96 h – Species: Poecilia reticulata)
EC50 Water Flea	340.7 – 469.2 mg/l (Exposure time: 48 h – Species: Daphnia magna)
LC 50 Fish	4747 - 7824 mg/l (Exposure time: 96 h – Species: Oncorhynchus mykiss)
Persistence and degradability	No data is available on the degradability of this product
Bio accumulative potential	No data available
Mobility in Soil	No data available

Section 13: Disposal Considerations

Waste Disposal Recommendations:	Collect and reclaim or dispose in sealed containers at licensed waste disposal site. Local disposal regulations. Dispose in accordance with all applicable regulations.
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Section 14: Transport Information

In Accordance with DOT	Not regulated as dangerous goods
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Section 15: Regulatory Information

US Federal Regulations

All components are on the U.S. EPA TSCA Inventory List. This product is not known to be a "Hazardous Chemical" as defined by the OSHA Hazard Communication Standard, 29 CFR 1910.1200.

This product has been classified in accordance with the hazard criteria of the Controlled Products Regulations (CPR) and the SDS contains all of the information required by CPR.



Section 16: Other Information

Effective Date: August 21, 2014
Version: 1
Contact:

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