

MATERIAL SAFETY DATA SHEET

Revision #: 01

Section 1 - Product Identification & Use

Product Name: **System Saver Salt (Crystal Plus)**
Synonyms: **Salt, Rock Salt, Halite**
WHMIS Classification: Not controlled
TDG Classification: Not regulated
Supplier: Advance Chemicals Ltd.
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Section 2 - Hazardous Ingredients

Hazardous Components%	(w/w)	C.A.S. No.	LD ₅₀ & LC ₅₀
Sodium Chloride	100	7647-14-5	(Oral, rat) 3000mg/kg (Dermal, rabbit) 500mg/24hr.

Section 3 - Physical Data

Physical state: solid
Boiling point: 1413°C
Specific Gravity: 2.165
Freezing point: N/A
pH 1% solution: 5.5-9.5
Vapour pressure: 1 mm@ 865°C
Solubility in water: 36g/100cc at 20°C
Evaporation rate: no data
Odour & Appearance: Odourless, colourless or white crystals.
Rock salt may have dark impurities.

Section 4 - Fire or Explosion Hazard

Flammability: The product is not considered to be flammable.
Extinguishing media: None required.
Special Fire Fighting Procedures: None.

Section 5 - Reactivity Data

Stability: Stable under normal temperatures and pressures.
Hazardous Combustion/Decomposition Products: None.
Conditions to Avoid: Non normal temperatures and pressures.
Materials to Avoid: Stable and inert under normal conditions. Will react with strong acids (to generate HCl) and strong oxidizing agents (to generate Cl₂).

Section 6 - Toxicological Properties

Inhalation: Inhalation of dust may cause mild irritation to the mucous membranes, nose, and throat. Symptoms may include coughing, dryness and sore throat.
Skin contact: Not expected to be a health hazard.
Eye contact: May cause irritation.
Ingestion: Very large doses can cause vomiting, diarrhea, and prostration.
Irritancy: The material was slightly irritating to the rabbit eye, 100 mg/24H.

Section 7 - Preventative Measures

Personal Protective Equipment: Avoid contact with skin and eyes.
Respiratory protection: For conditions of use where exposure to the dust is apparent, a NIOSH approved breathing apparatus may be worn. For emergencies, a self-contained breathing apparatus may be necessary.
Action to take for spills & leaks: Wear chemical protective clothing, rubber gloves and suitable respiratory protection. Vacuuming or wet sweeping may be used to avoid dust dispersal. Response to large spills is to shovel and sweep up, and containerize for reclamation or disposal.
Disposal methods: Whatever cannot be saved for reclamation may be delivered to an approved waste disposal facility, or if local ordinances allow, can be dissolved in sufficient amounts of water to meet quality standards, and flushed down a sewer drain. Restrict access to non-protected personnel. Comply with all government regulations on spill reporting, and handling and disposal of waste.
Storage & Handling Precautions: Causes eye, skin and respiratory irritation. Avoid contact with eyes and repeated contact with skin and clothing. Do not ingest. Keep container tightly closed

when not in use. Store upright in a cool, dry, well ventilated place away from incompatible materials. Use with adequate ventilation.

Section 8 - First Aid Measures

If inhaled: Remove victim to fresh air. Give artificial respiration if not breathing. Get immediate emergency medical attention. Keep patient warm and at rest.
In case of eye contact: Immediately flush eyes with clean luke warm water for at least twenty (20) minutes, lifting the upper and lower eye lids to ensure complete flushing action of the eyeball. Call a physician.
In case of skin contact: Wash exposed area with soap and water. Get medical advice if irritation develops.
In case of ingestion or swallowing: If large amounts were swallowed, get medical advice.

Section 9 - Preparation Information

Advance Chemicals Limited expressly disclaims all expressed or implied warranties of merchantability and fitness for a particular purpose with respect to the product provided. The information contained herein is offered only as a guide to the handling of this specific product, and has been prepared in good faith by technically knowledgeable personnel. This M.S.D.S. is not intended to be all inclusive, and the manner and conditions of use may involve other and additional considerations.
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