

1. CHEMICAL PRODUCT AND COMPANY IDENTIFICATION

Product identifier: **SODIUM CHLORIDE**
Synonyms: Salt, Flour Salt, Sea Salt, Table Salt
Intended use: Water conditioning, Deicing, Food or Animal feed
Uses Advised Against: None known.
Company Identification DPC Industries, Inc.
DPC Enterprises, LP
DXI Industries, Inc.
DX Terminals
PO Box 24600
Houston , TX 77229-4600

Emergency
CHEMTREC (USA) (800) 424-9300
24 hour Emergency Telephone No. (281) 457-4888
www.dxgroup.com

2. Hazard identification of the product

Physical hazards	Not classified.	
Health hazards	Causes serious eye irritation.	Category 5
	May be harmful if swallowed.	Category 4
Label elements		
Using the Toxicity Data listed in section 11 and 12 the product is labeled as follows.		
No applicable GHS categories		
Signal Word	Warning	
Hazard Statements	No applicable GHS categories	
Precautionary Statements		
Prevention	Wear protective gloves/protective clothing/eye protection/face protection. Do not eat, drink or smoke when using this product. Wash thoroughly after handling. Avoid release to the environment.	
Response	IF SWALLOWED: Rinse mouth. Contact medical personnel if you feel unwell. IF ON SKIN: Take off immediately all contaminated clothing. Rinse skin with shower/ water. Wash contaminated clothing before reuse. If skin irritation or rash, get medical attention. IF INHALED: Remove to fresh air and keep at rest in a position comfortable for breathing. IF IN EYES: Rinse continuously with water for several minutes. Remove contact lenses if present and easy to do - Continue rinsing. If irritation persists, get immediate medical attention.	
Storage	Keep container tightly closed when not in use. Store away from incompatible materials.	
Disposal	Dispose of contents / container in accordance with local / national regulations.	

3. Composition/information on ingredients

Synonyms: Salt, Flour Salt, Sea Salt, Table Salt

Ingredient	CAS Number	Weight %
Sodium Chloride	7647-14-5	99 - 100

Safety Data Sheet

4. First aid measures

Description of first aid measures

General	Never give anything by mouth to an unconscious person. Ensure that medical personnel are aware of the material(s) involved and take precautions to protect themselves.
Inhalation	Remove to fresh air, keep patient warm and at rest. Call a physician if symptoms develop or persist. If breathing is irregular or stopped, give artificial respiration. If unconscious place in the recovery position and obtain immediate medical attention.
Eyes	Rinse continuously with water for several minutes. Remove contact lenses if present and easy to do - Continue rinsing. If eye irritation persists, get medical attention.
Skin	Wash skin thoroughly with soap and water or use a recognized skin cleanser. Remove contaminated clothing and wash before re-use. Get medical attention if irritation develops or persists.
Ingestion	Rinse mouth. If the person is conscious, have them drink water. Get medical attention if symptoms occur.

Most important symptoms and effects, both acute and delayed

Overview	Direct contact with eyes may cause irritation.
Indication of immediate medical attention and special treatment needed	<p>Eye contact: Contact may cause burning or tearing.</p> <p>Skin contact: Frequent or prolonged contact may irritate the skin and cause a skin rash (dermatitis).</p> <p>Ingestion: May cause digestive tract irritation with symptoms including nausea, diarrhea, vomiting, and abdominal pain.</p> <p>Inhalation: Moderately irritating to respiratory tract.</p>

5. Fire-fighting measures

Extinguishing media	Use extinguishing agent suitable for type of surrounding fire.
Unsuitable extinguishing media	Do not use water jet.
Special hazards arising from the substance or mixture	When heated to decomposition, may emit toxic fumes.
Advice for fire-fighters	Wear positive pressure, self-contained breathing apparatus, (SCBA) with a full facepiece and protective clothing. Non-combustible, substance itself does not burn but may decompose upon heating to produce toxic fumes. Move container from fire area if it can be done without risk.

6. Accidental release measures

Personal precautions, protective equipment and emergency procedures	Keep unnecessary personnel away. Avoid inhalation of dust from the spilled material. Use NIOSH/MSHA approved respirator if there is risk of exposure to dust/fumes at levels exceeding exposure limits. Do not handle damaged containers or material unless wearing appropriate protective clothing.
Environmental precautions	Do not allow spills to enter drains or watercourses.
Methods and material for containment and cleaning up	Sweep up or vacuum and place in container for disposal. Flush area with water. Prevent from entering waterways.

7. Handling and storage

Precautions for safe handling	Avoid contact with eyes and skin. Avoid breathing dust. Avoid humid or wet conditions as product will cake and become hard. Practice good housekeeping.
Conditions for safe storage, including any incompatibilities	Handle containers carefully to prevent damage and spillage. Store in a cool, dry, well ventilated place. Store away from incompatible materials described in Section 10. Keep containers closed when not in use.

Safety Data Sheet

8. Exposure controls and personal protection

Occupational exposure limits

CAS No.	Material	Source	Value
7647-14-5	Sodium Chloride	OSHA	No Established Limit
		ACGIH	No Established Limit
		NIOSH	No Established Limit

Individual protection measures, such as personal protective equipment

Respiratory	Use NIOSH/MSHA approved respirator, following manufacturer's recommendations when concentrations exceed permissible exposure limits.
Eyes	Wear safety glasses with side shields or safety goggles to protect the eyes. An eye wash station is suggested as a good workplace practice.
Skin	Chemical resistant clothing such as coveralls/apron boots should be worn. Chemical impervious gloves. Emergency eyewash station should be in close proximity.
Engineering Controls	Provide adequate ventilation. Where reasonably practicable this should be achieved by the use of local exhaust ventilation and good general extraction. If these are not sufficient to maintain concentrations of particulates and any vapor below occupational exposure limits suitable, respiratory protection must be worn.
Other Work Practices	Use good personal hygiene practices. Wash hands before eating, drinking, smoking or using toilet. Promptly remove soiled clothing and wash thoroughly before reuse.

9. Physical and chemical properties

Appearance	White to Opaque Solid
Odor	None
Odor threshold	Not Measured
pH	7 - 8
Melting point / freezing point (°C)	801 C
Initial boiling point and boiling range (°C)	1465 C
Flash Point	Not Flammable
Evaporation rate (Ether = 1)	Not Measured
Flammability (solid, gas)	Not Applicable
Upper/lower flammability or explosive limits	Lower Explosive Limit: Not Applicable
	Upper Explosive Limit: Not Applicable
Vapor pressure (mmHg)	2.4 (@ 747 C)
Vapor Density	Not Measured
Specific Gravity	2.17
Solubility in Water	Soluble
Partition coefficient n-octanol/water (Log Kow)	Not Measured
Auto-ignition temperature (°C)	Not Measured
Decomposition temperature	Not Measured
Viscosity (cSt)	Not Measured
VOC %	Not Measured

10. Stability and reactivity

Reactivity	Hazardous polymerization will not occur.
Chemical stability	Material is stable under normal conditions.
Possibility of hazardous reactions	None expected under normal processing.
Conditions to avoid	Exposure to air or moisture over prolonged periods.
Incompatible materials	Strong acids. Becomes corrosive to metals when wet.
Hazardous decomposition products	May evolve chlorine gas when in contact with strong acids.

Safety Data Sheet

11. Toxicological information

Ingredient	Oral LD50, mg/kg	Skin LD50, mg/kg	Inhalation Vapor LC50, mg/kg/1hr
Sodium chloride (7647-14-5)	3,000 Rat	10,000 Rabbit	42 Rabbit

Note: When no route specific LD50 data is available for an acute toxin, the converted acute toxicity point estimate was used in the calculation of the product's ATE (Acute Toxicity Estimate).

Item	Hazard
Acute Toxicity (mouth)	Not Applicable
Acute Toxicity (skin)	Not Applicable
Acute Toxicity (inhalation)	Not Applicable
Skin corrosion/irritation	Prolonged skin contact may cause irritation and rash.
Eye damage/irritation	Dust may cause eye irritation.
Sensitization (respiratory)	Not Applicable
Sensitization (skin)	Not Applicable
Germ toxicity	Not Applicable
Carcinogenicity	Not considered to be a carcinogen by IARC, ACGIH, NTP or OSHA.
Reproductive Toxicity	Not Applicable
Specific target organ systemic toxicity (single exposure)	Not Applicable
Specific target organ systemic Toxicity (repeated exposure)	Not Applicable
Aspiration hazard	Not Applicable

12. Ecological information

Aquatic Ecotoxicity

Ingredient	LC50/96 hr fish, mg/l	EC50/48hr crustacea, mg/l	EC50/72hr algae, mg/l
Sodium chloride (7647-14-5)	Not Available	Not Available	Not Available

Persistence and degradability	There is no data available on the preparation itself.
Bioaccumulative potential	No data available.
Mobility in soil	No data available.
Results of PBT and vPVB assessment	This product contains no PBT/vPvB chemicals.
Other adverse effects	None known.

13. Disposal considerations

Disposal instructions	Do not allow this material to drain into sewers/water supplies. Dispose of contents/container in accordance with local/regional/national/international regulations. Using information provided in this data sheet advice should be obtained from the Waste Regulation Authority, whether the special waste regulations apply.
Waste from material	Sweep or vacuum up spilled material and place in container for disposal. The waste determination should be made in discussion between the user and the waste disposal company.
Container Management	Empty containers or liners may retain some product residues. Dispose of contents/container in accordance with local / national regulations

Safety Data Sheet

14. Transport information

Transport hazard class(es)	
DOT (Domestic Surface Transportation)	
DOT Proper Shipping Name:	Not Regulated
DOT Hazard Class	Not Applicable
DOT Label:	None
UN / NA Number:	Not Applicable
DOT Packing Group:	Not Applicable
CERCLA/DOT RQ:	Not Applicable
Environmental hazards:	IMDG: Marine Pollutant: No
Special precautions for user:	Not Applicable

15. Regulatory information

Regulatory Overview:	The regulatory data in Section 15 is not intended to be all-inclusive, only selected regulations are represented. All ingredients of this product are listed on the TSCA (Toxic Substance Control Act) Inventory.	
OSHA REGULATORY STATUS:	This material is considered hazardous by the OSHA Hazard Communication Standard (29 CFR 1910.1200)	
US EPA Tier II Hazards:	Fire:	No
	Sudden Release of Pressure:	No
	Reactive:	No
	Immediate (Acute):	Yes
	Delayed (Chronic):	No
SARA 302 Extremely Hazardous Substance:		No
SARA 311/312 Chemicals :		No
SARA 313 (TRI)		No
CAA Section 112 Hazardous Air Pollutant		No
CAA Section 112R Risk Management Plan		No
State Regulations:	N.J. RTK Substances (>1%)	Not listed
	Penn RTK Substances (>1%)	Not listed
	California Prop 65	Not listed

16. Other information

Revision Information: This is the first revision of this SDS format, changes from previous revision not applicable.

The information and recommendations contained herein are based upon data believed to be correct. However, no guarantee or warranty of any kind, expressed or implied, is made with respect to the information contained herein. We accept no responsibility and disclaim all liability for any harmful effects which may be caused by exposure to our products. Customers/users of this product must comply with all applicable health and safety laws, regulations, and orders.

THE USER IS CAUTIONED TO PERFORM HIS OWN HAZARD EVALUATION AND TO RELY ON HIS OWN DETERMINATIONS.