Material Safety Data Sheet

1. CHEMICAL PRODUCT AND COMPANY INFORMATION

Chemical Product Name	Sodium Chloride (Salt) Treated with Citric Acid and SHMP
Chemical Family	Alkali Metal/Halide
Chemical Name	Sodium Chloride
Formula	NaCl
Molecular Weight	58.44
Commercial Name	Diamond Crystal® Red-Out® with Iron Fighter® Additive

Manufacturer
Cargill Incorporated -
Salt Division
P. O. Box 5621
Minneapolis, MN 55440

Emergency Telephone Numbers
CHEMTREC (800) 424-9300

2. COMPOSITION/INFORMATION ON INGREDIENTS

Description
Compressed salt pellets

Ingredient Name / **CAS Number**	**Exposure Limits**	**Concentration (%)**
Sodium Chloride 7647-14-5		99.62
Citric Acid 77-92-9		0.35
Sodium Hexametaphosphate 10124-56-8		0.03

3. HAZARDS INDENTIFICATION

EMERGENCY OVERVIEW

HMIS Health: 1, Flammability: 0, Reactivity: 0, Protective Equipment: A

Potential Health Effects

Route(s) Of Entry: Inhalation, Skin, Ingestion

Human Effects and Symptoms of Overexposure: Ingestion of large amounts (greater than 0.1 pound) can cause gastrointestinal upset and irritation of the stomach. No applicable information found for chronic systemic effects.

Acute Inhalation: May cause mild irritation of nose and throat.

Chronic Inhalation: N/A

Acute Skin Contact: Dust may cause mild irritation.

Chronic Skin Contact: N/A

Acute Eye Contact: Irritation; inflammation..

Chronic Eye Contact: N/A

Acute Ingestion: Nausea; vomiting.

Chronic Ingestion: N/A

Carcinogenicity
NTP: Not listed as a carcinogen or mutagen.
IARC: Not listed as a carcinogen or mutagen.
OSHA: Not listed as a carcinogen or mutagen.

Medical Conditions Aggravated by Exposure: In some cases of confirmed hypertension, ingestion may result in elevated blood pressure. (This applies only to salt-sensitive individuals.)

4. FIRST AID MEASURES

First Aid For Eyes: For eye contact, flush with water immediately, lifting eyelids occasionally.

First Aid For Skin: Remove clothing from affected area. Wash skin thoroughly. Rinse carefully.

First Aid For Inhalation: If person breathes large quantities, remove to fresh air at once. If breating stops, apply artificial respiration immediately.

First Aid For Ingestion: Less than a few grams would not be harmful. For larger quantities, drink large amounts of water or milk.

5. FIRE AND MEASURES

Flash Point: Not Applicable

Extinguishing Media: Not Applicable. This product is nonflammable.

Special Fire Fighting Procedures: Not Applicable.

6. ACCIDENTAL RELEASE MEASURES

Spill or Leak Procedures: Contain spills to prevent contamination of water supply or sanitary sewer system. Vacuum or sweep into containers proper disposal.

7. HANDLING AND STORAGE

Storage Temperature (min./max.): Ambient

Special Sensitivity: May evolve chlorine gas when in contact with strong acids.

Handling and Storage Precautions: Avoid humid or wet conditions as product will cake and become hard.

8. EXPOSURE CONTROLS/PERSONAL PROTECTION

Eye Protection Requirements: Eyeglasses or goggles should be worn in industry areas.

Skin Protection Requirements: Normal work gloves are adequate. Protective clothing may be worn, but generally not required. Warm water showering and handwashing is suggested if in direct contact with product, but is generally not required.

Respiratory/Ventilation Requirements: NIOSH/MSHA approved respirator for particulates.. Ventilate as required to maintain airborne particulates below occupational exposure limits.

Exposure Limits:

9. PHYSICAL AND CHEMICAL PROPERTIES

Physical Form: White crystalline solid.

Color: White

Odor: Slight

Boiling Point (760mm Hg) (^{o}C): (760 mm Hg) (^{o}C.) = 1465

Melt Point/Freeze Point (^{o}C): (^{o}C.) = 801

PH:

Solubility In Water (g/cc, %): (g/cc, %) = 26.4

Specific Gravity ($H_2$0=1): (H_2O=1) = 2.16

Bulk Density:

% Volatile By Weight:

Vapor Pressure (mm Hg/747°C): = 2.4

Vapor Density (Air=1): (Air = 1) = N/A

10. REACTIVITY

Stability: Stable

Incompatibilities: Becomes corrosive to metals when wet.

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

11. TOXICOLOGICAL INFORMATION

Description: Not listed.

12. ECOLOGICAL INFORMATION

Ecotoxicity: Not listed

Environmental Degradation: Not listed

13. DISPOSAL CONSIDERATIONS

Waste Disposal Method: For disposal of this material as a waste, act in accordance with all applicable Federal, state, and local waste management regulations.

14. TRANSPORTATION INFORMATION

D.O.T. Shipping Name: N/A

Technical Shipping Name: Sodium Chloride

D.O.T Hazard Class: N/A

U.N./N.A. Number: N/A

Product Rq (lbs.):

D.O.T. Label: N/A

D.O.T. Placard: N/A

Freight Class Bulk: N/A

Freight Class Package: N/A

Product Label: N/A

15. REGULATORY INFORMATION

OSHA Status: Not listed

TSCA Status: Not listed

Cercla reportable Quantity
SARA Title III
Section 302 Extremely
Hazardous Substances: Not listed

Section 311/312
Hazard categories: Not listed

Section 313
Toxic Chemicals: Not listed

RCRA Status: Not listed

HMIS: 1 0 0 A

State Regulatory Information

Component Name /CAS Number	Concentration	State-Code

16. OTHER INFORMATION

Reason For Issue: Regulatory Communication
Prepared By: Steve Karl
Approved By: Dave Merriweather
Title: Director-Quality Administration
Approval Date: May 2007

Supersedes Date: February 2005
MSDS Number: ND5

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