

635 SOUTH ELMWOOD AVENUE  
P.O. BOX 4076  
DAVENPORT, IOWA 52808  
EMERGENCY PHONE 563-324-3381  
NFPA: Health 1, Fire 0, Reactivity 0

### Material Safety Data Sheet

Effective date: 2/1/2004

Page 1 of 3  
Print date: 8/16/2005

#### 1. INGREDIENTS: (%w/w, unless otherwise noted)

##### CHEMICAL NAME:

Sodium Chloride  
Calcium Chloride  
Magnesium Chloride  
Potassium Chloride  
Polymeric Colorant

##### CAS#:

07647-14-5  
10043-52-4  
07786-30-3  
07447-40-7  
N/A

#### 2. PHYSICAL DATA:

MELTING POINT: N/A  
BOILING POINT: N/A  
VAPOR PRESSURE: N/A  
VAPOR DENSITY: N/A  
SPECIFIC GRAVITY: 1.988  
SOLUBILITY IN WATER: Complete  
EVAPORATION RATE: N/A  
APPEARANCE: Blue crystalline material  
ODOR: None

#### 3. FIRE AND EXPLOSION HAZARD DATA:

FLASH POINT: N/A  
FLAMMABLE LIMITS: N/A  
EXTINGUISHING MEDIA: N/A  
FIRE & EXPLOSION HAZARDS: None  
FIRE-FIGHTING EQUIPMENT: Wear positive pressure self-contained breathing apparatus.

#### 4. REACTIVITY DATA:

PRODUCT STABILITY: Stable  
CHEMICAL INCOMPATIBILITY: Hot nitric acid  
HAZARDOUS DECOMPOSITION PRODUCTS: None  
HAZARDOUS POLYMERIZATION: Will not occur  
CONDITIONS TO AVOID: Avoid contact with strong acids  
CORROSIVE TO METAL: Mildly corrosive to metals in the presence of moisture  
OXIDIZER: N/A

#### 5. ENVIRONMENTAL AND DISPOSAL INFORMATION:

ENVIRONMENTAL TOXICITY DATA: N/A  
SPILL OR LEAK PROCEDURES: Sweep up dry and place in a suitable container. Wash area with water.  
WASTE DISPOSAL METHOD: Sanitary landfill. Dispose in compliance with local regulations.  
CONTAINER DISPOSAL: N/A

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#### 6. HEALTH HAZARD DATA:

**EYES:** May cause severe irritation with corneal injury. Effects may be slow to heal. When dissolving, the heat produced may cause more intense effects as well as thermal burns.

**SKIN CONTACT:** Short single exposure not likely to cause significant skin irritation. Prolonged or repeated exposure may cause skin irritation, even a burn. May cause more severe response if skin is damp and/or abraded, or if material is confined to skin. When dissolving, the heat produced may cause more intense effects as well as thermal burns.

**SKIN ABSORPTION:** A single prolonged exposure is not likely to result in the material being absorbed through skin in harmful amounts. The LD50 for skin absorption in rabbits is >5000 mg/kg.

**INGESTION:** Single dose oral toxicity is low. The oral LD50 for rats is 1100-1600 mg/kg. Ingestion may cause gastrointestinal irritation or ulceration. Small amounts swallowed incidental to normal handling operations are not likely to cause injury; swallowing amounts larger than that may cause injury.

**INHALATION:** Vapors are unlikely due to physical properties. Dust may cause irritation to upper respiratory tract.

**SYSTEMIC (other target organ) EFFECTS:** The components of this product are not listed by IARC, NTP, or OSHA as a carcinogen for hazard communication purposes.

**MUTAGENICITY (effects on genetic material):** Results of in vitro (test tube) mutagenicity tests have been negative.

#### 7. FIRST AID:

**EYES:** Irrigate with flowing water immediately and continuously for 15 minutes. Consult medical personnel.

**SKIN:** Wash off in flowing water or shower.

**INGESTION:** Do not induce vomiting. Give large amounts of water or milk if available and transport to medical facility.

**INHALATION:** Remove to fresh air if effects occur. Consult medical personnel.

**NOTE TO PHYSICIAN:** If burn is present, treat as any thermal burn, after decontamination. No specific antidote. Supportive care. Treatment based on judgment of the physician in response to reactions of the patient.

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Page 3 of 3  
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#### 8. HANDLING PRECAUTIONS:

VENTILATION: Provide general and/or local exhaust ventilation to control airborne levels below the exposure guidelines.

RESPIRATORY PROTECTION: Dust mask if dust is produced when used.

PROTECTIVE CLOTHING: Cotton gloves

EYE PROTECTION: Where there is reasonable probability of eye contact, wear safety glasses.

OTHER PRECAUTIONS: None

#### 9. TRANSPORT INFORMATION:

##### UNITED STATES DOT INFORMATION:

This product is not regulated by D.O.T. when shipped domestically by land.

##### CANADIAN TDG INFORMATION:

This product is not regulated by T.D.G. when shipped domestically by land.

#### 10. SHIPPING DATA:

|                                   |                        |
|-----------------------------------|------------------------|
| D.O.T. PROPER SHIPPING NAME:      | N/A                    |
| HAZARDOUS SUBSTANCE 49CFR CERCLA: | N/A                    |
| D.O.T. HAZARD CLASS               | N/A                    |
| D.O.T. LABELS REQUIRED            | N/A                    |
| D.O.T. PLACARDS REQUIRED          | N/A                    |
| BILL OF LADING DESCRIPTION        | Titan® Blue Ice Melter |

#### 11. SUPPLIER INFORMATION:

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