

635 SOUTH ELMWOOD AVENUE  
P.O. BOX 4076  
DAVENPORT, IOWA 52808  
EMERGENCY PHONE 563-324-3381

### Material Safety Data Sheet

Effective date: 9/19/2006

Print date: 9/19/2006

**NFPA: Health 1, Fire 0, Reactivity 0**

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#### 1. INGREDIENTS:

**CHEMICAL NAME:**

Sodium Chloride  
Alkali Degraded Sugar Beet Extract  
(U.S. Patent # 6,605,232)

**CAS#:**

7647-14-5  
N/A

Calcium Chloride  
Water

10043-52-4  
7732-18-5

#### 2. HEALTH HAZARD DATA:

**EYES:** May cause irritation if splashed into the eye.

**SKIN CONTACT:** Prolonged or repeated exposure may cause some irritation.

**SKIN ABSORPTION:** Short single exposures are not likely to cause significant skin irritation or result in the material being absorbed through the skin in harmful amounts.

**INGESTION:** Single dose oral toxicity is considered to be very low. Small amounts ingested incidental due to normal handling operations are not likely to cause injury. Ingestion of larger amounts may cause gastrointestinal irritation.

**INHALATION:** Vapors are unlikely due to physical properties.

#### 3. FIRST AID:

**EYES:** Flush with cool flowing water immediately and continuously for 15 minutes. Remove contact lenses if applicable. Consult medical personnel.

**SKIN:** Wash off with soap and water.

**INGESTION:** Do not induce vomiting. Give large amounts of water if available and seek medical attention.

**INHALATION:** Remove to fresh air if individual becomes affected.

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

**FLASH POINT:** N/A  
**FLAMMABLE LIMITS:** N/A  
**EXTINGUISHING MEDIA:** Product does not burn.

**FIRE & EXPLOSION HAZARDS:** Under fire conditions some components of this product may decompose and produce unidentified gasses and/or irritating compounds. This may include but is not limited to: Chlorine, carbon dioxide, carbon monoxide and/or sodium oxides.

**FIRE-FIGHTING EQUIPMENT:** Wear positive pressure self-contained breathing apparatus (SCBA) and protective fire fighting clothing.

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#### 5. ACCIDENTAL RELEASE MEASURES:

See section 14 for Regulatory & Shipping Information.

**PROTECT PEOPLE:** Isolate area. Avoid contact with eyes and skin. May be a slipping hazard. Stop any leakage if it can be done safely. Wash exposed body areas thoroughly after handling. For appropriate safety equipment see section 7 below.

#### PROTECTING THE ENVIRONMENT:

**SMALL SPILLS:** Incorrect application of this product from its intended uses is not expected to be harmful to the environment.

**CLEAN UP:** Contain spill if possible. Collect material in a suitable and properly labeled container and flush area with plenty of water.

**LARGE SPILLS:** Maybe harmful to freshwater aquatic species and to plants that are not saline tolerant.

**CLEAN UP:** Dike spill and absorb using sand, transfer to suitable and properly labeled containers. Flush residue with plenty of water.

#### 6. SAFE HANDLING AND STORAGE PRECAUTIONS:

**HANDLING:** See Health Hazard Date in Section 2 above.

Refer to Exposure Controls/Personal Protection, Section 7 of this MSDS.

**STORAGE:** Keep containers tightly closed when not in use. Store product in a cool but dry location.

#### 7. EXPOSURE CONTROLS/PERSONAL PROTECTION:

**VENTILATION:** Provide general and/or local exhaust ventilation.

**RESPIRATORY PROTECTION:** Not Required

**PROTECTIVE CLOTHING:** Selection of specific items such as face shield, gloves, boots, apron or full body suit will depend on operations. Remove contaminated clothing and wash skin area with soap and running cool water. Launder any contaminated clothing before reuse.

**EYE PROTECTION:** Wear a face shield, safety glasses or chemical goggles.

#### 8. PHYSICAL DATA:

PHYSICAL STATE:	Liquid
MELTING POINT:	N/A
BOILING POINT:	N/A
VAPOR PRESSURE:	N/A
VAPOR DENSITY:	N/A
SPECIFIC GRAVITY:	~1.17
SOLUBILITY IN WATER:	Soluble
EVAPORATION RATE:	N/A
APPEARANCE:	Dark Amber
ODOR:	Sweet
pH:	~7

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#### 9. STABILITY & REACTIVITY DATA:

PRODUCT STABILITY:	Stable
CHEMICAL INCOMPATIBILITY:	Reactive with oxidizing agents, acids, lithium, bromine tri-fluorides.
HAZARDOUS POLYMERIZATION:	Will not occur.
CORROSIVE TO METAL:	May be corrosive with: Brass, ferrous metals, mild steel.
OXIDIZER:	N/A

#### 10. TOXICOLOGICAL PROPERTIES

See section 2 above for potential health effects.

SKIN: The dermal LD50 has not been determined.

INGESTION: Single dose oral LD50 has not been determined.

#### 11. ENVIRONMENTAL AND DISPOSAL INFORMATION: (See Section 14 for Regulatory Information)

##### DISPOSAL:

All disposal methods must be in compliance with all Federal, State/Provincial and local laws and regulations. Regulations may vary in different locations. Waste characterizations and compliance with applicable laws are the responsibility solely of the waste generator.

*Ossian, Inc. has no control over the management practices or processes of parties handling or using this material. The information presented here pertains only to the product as shipped in its intended condition as described in MSDS section 1.*

#### 3. 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.

#### 14. REGULATORY & SHIPPING DATA: (Not meant to be all-inclusive- selected regulations represented)

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

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**U.S. REGULATIONS**

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SARA 313 INFORMATION: To the best of our knowledge, this product contains no chemical subject to SARA Title III Section 313 supplier notification requirements.

<b>15. SUPPLIER INFORMATION:</b>
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