



OSSIAN INC.
635 SOUTH ELMWOOD AVE
DAVENPORT, IA 52802
EMERGENCY PHONE 563-324-3381

Effective date: 11/29/2011

Print date: 11/29/2011

NFPA: Health 1, Fire 0, Reactivity 0

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1. COMPOSITION AND PRODUCT USE:

<u>CHEMICAL NAME</u>	<u>PERCENTAGE</u>	<u>CAS NUMBER</u>
Hydrated Calcium Magnesium and other acetates	> 96%	076123-46-1
Water-insoluble material	< 4%	N/A

PRODUCT USE: Ice Melting

2. HEALTH HAZARD DATA:

CAUTION! – MAY CAUSE EYE IRRITATION

EYE CONTACT: This substance is not expected to cause prolonged or significant eye irritation.

SKIN CONTACT: This substance is not expected to cause prolonged or significant skin irritation.

DERMAL TOXICITY: If absorbed through the skin, this substance is considered practically non-toxic to internal organs.

RESPIRATORY/INHALATION:

If inhaled, this substance is considered practically non-toxic to internal organs. Dust, in high concentration, may cause irritation of eyes nose and throat.

INGESTION: If swallowed, this substance is considered practically non-toxic to internal organs.

3. FIRST AID:

EYE CONTACT: No first aid procedures are required. However, as a precaution flush eyes with fresh water for 15 minutes. Remove contact lenses if worn.

SKIN CONTACT: No first aid procedures are required. As a precaution, wash skin thoroughly with soap and water. Remove and wash contaminated clothing.

INHALATION: Since this material is not expected to be an immediate inhalation problem, no first aid procedures are required.

INGESTION: If swallowed, give water or milk to drink and telephone medical personnel. Consult medical personnel before inducing vomiting. If medical advice cannot be obtained, then take the person and product container to the nearest medical emergency treatment center or hospital

4. FIRE AND EXPLOSION HAZARD DATA:

FLASH POINT: Not applicable

AUTOIGNITION TEMPERATURE: Not applicable



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FLAMMABILITY LIMITS (% by volume in air):

Lower: No Data Available
Upper: No Data Available
Non-flammable

EXTINGUISHING MEDIA:

Use extinguishing agents appropriate for surrounding fire.

FIRE-FIGHTING:

Fire fighters should wear proper protective equipment, self-contained breathing apparatus with full face piece operated in positive pressure mode.

COMBUSTION PRODUCTS:

Normal combustion forms carbon dioxide and water

NFPA RATINGS:

Health 1; Flammability 0; Reactivity 0; Special NDA:
(Least – 0, Slight – 1, Moderate – 2, High – 3, Extreme – 4)
These values are obtained using the guidelines or published evaluations prepared by the National Fire Protection Association (NFPA) or the National Paint Coating Association.

5. ACCIDENTAL RELEASE MEASURES:

SPILL / LEAK PRECAUTIONS:

Small and large spills: Contain spilled material if possible. Collect in suitable and properly labeled containers. Flush residue with plenty of water. See Section 13, Disposal Considerations, for additional information.

6. SAFE HANDLING AND STORAGE PRECAUTIONS:

STORAGE:

Do not store or handle product with systems constructed of parts that have galvanized steel, zinc or brass components.

SPECIAL PRECAUTIONS:

Avoid contact with skin and eyes.

7. EXPOSURE CONTROLS/PERSONAL PROTECTION:

EYE PROTECTION:

Wear safety glasses with side-shields. For dusty operations or when handling solutions of the material, wear chemical goggles.

SKIN AND BODY PROTECTION:

No special skin protection is usually necessary. Avoid prolonged or frequently repeated skin contact with this material. Skin contact may be minimized by wearing protective clothing.

RESPIRATORY PROTECTION:

No special respiratory protection is normally required where adequate ventilation exists. However, if operating conditions create high airborne concentrations, the use of an approved respirator is recommended.

VENTILATION:

No special ventilation is necessary. However, if operating conditions create high airborne concentrations of this material, special ventilation may be needed.



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8. PHYSICAL DATA:

COLOR:	White to off-white spherical pellet.
pH (20°C):	8 – 10 (10% aqueous solution)
SPECIFIC GRAVITY:	1.2 min
MELTING POINT:	No data available
SOLUBILITY:	Partially soluble in water.

9. STABILITY & REACTIVITY DATA:

HAZARDOUS DECOMPOSITION PRODUCTS:	Not applicable
STABILITY:	Stable.
HAZARDOUS POLYMERIZATION:	Polymerization will not occur.
INCOMPATIBILITY:	None
SPECIAL PRECAUTIONS:	READ AND OBSERVE ALL PRECAUTIONS ON PRODUCT LABEL. KEEP CONTAINER TIGHTLY CLOSED IN ANY GENERAL CHEMICAL STORAGE AREA

10. TOXICOLOGICAL PROPERTIES

EYE IRRITATION:	The Draize Eye Irritation Score (range, 0 – 110) in rabbits is 8.7
SKIN IRRITATION:	The Draize Skin Primary Irritation Score (range, 0 – 8) for a 4-hour exposure (rabbits) is 0.1 This material was not a skin sensitizer in the Buehler Guinea Pig Sensitization Test.
DERMAL TOXICITY:	The dermal LD50 in rabbits is > 5.0 g/kg.
RESPIRATORY / INHALATION:	The 4-hour inhalation LC50 in rats is 4.6 mg/liter.
INGESTION:	The oral LD50 in rats is greater 5000 mg/liter. Additional Toxicological Data: The 96-hour LC50 in rainbow trout (<i>Salmo gairdneri</i>) is > 1000 mg/L. The results of a 28–day oral toxicity study in rats showed that daily doses of 1000 mg/kg of CMA Deicer caused no significant toxicity.

11. ECOLOGICAL INFORMATION

COD (TOD):	0.75 kg O ₂ /kg
BOD₂₀ @ 2° C:	0.40 kg O ₂ /kg
BOD₂₀@ 10° C:	0.67 kg O ₂ /kg



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

Based on information available to Ossian, this product is neither listed as a hazardous waste nor does it exhibit any of the characteristics that would cause it to be classified or disposed of as an RCRA hazardous waste. If product should spill or be otherwise unsustainable for normal deicing applications, it may be absorbed on suitable materials and disposed of in sanitary landfill unless state or local regulations prohibit such disposal.

13. 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)

ALL OF THE COMPONENTS IN THIS PRODUCT ARE ON THE FOLLWING INVENTORY LISTS:

- U.S.A. (TSCA)
- Europe (EINECS)
- Canada (DSL/NDSL)

TSCA SECTION 12(b): None of the components in this product are regulated under the TSCA Section 12(b).

OSHA HAZARD CLASSIFICATION:

Hazardous Chemical (Irritant);
None of the components in this product are considered highly hazardous by OSHA.

CERCLA HAZARDOUS SUBSTANCES:

Ther is no CERCLA Reportable Quantity for this material.

SARA 311 CATEGORIES:

- Immediate (Acute) Health Hazard: Yes
- Delayed (Chronic) Health Hazard: No
- Fire Hazard: No
- Sudden Release of Pressure Hazard: No
- Reactivity Hazard: No

SARA 313: None of the components in this product are subject to reporting under SARA Section 313.

CLEAN WATER ACT: None of the components in this product are listed as Priority Pollutants under the CWA.
None of the components in this product are listed as Toxic Pollutants under the CWA.

STATE RIGHT-TO-KNOW:

This product does not contain components at levels which are required to be reported under the statutes of the following states: PA, MA, NJ. This product does not contain components known to the State of California (Proposition 65) to cause cancer and/or reproductive harm at levels which would require a warning under the statute.

WHMIS (Canada) Classification:

Not controlled.



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15. OTHER INFORMATION:

ADDITIONAL HEALTH DATA COMMENT:

This Material Safety Data Sheet contains environmental, health and toxicological information for your employees. Please make sure this information is given to them. It also contains information to help you meet community right-to-know / emergency response reporting requirements under SARA Title III and many other laws. If you resell this product, this MSDS must be given to the buyer or the information incorporated in your MSDS. Discard any previous edition of this MSDS.

Latest version of this MSDS can be found at <http://www.OSSIAN.com>

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OSHA Standard 29 CFR 1910.1200 requires that information be provided to employees regarding the hazards of chemicals by means of a hazard communication program including labeling, material safety data sheets, training and access to written records. We request that you, and it is your legal duty to, make all information in the Material Safety Data Sheet available to your employees.