

EMERGENCY PHONE: 800-553-8011

Effective date: 11/04/2015

Print date: 11/4/2015

NFPA: Health 1, Fire 0, Reactivity 0

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1. IDENTIFICATION

PRODUCT NAME: CMA100
CAS #: 76123-46-1

MANUFACTURER: OSSIAN INC., 635 SOUTH ELMWOOD AVE, DAVENPORT, IOWA 52802
EMERGENCY PHONE: 800-553-8011

PRODUCT USE: Melting of Ice
USES ADVISED AGAINST: De-icing of concrete less than one year old. De-icing of metal surfaces.

ADDITIONAL INFORMATION: CONSUMER PRODUCTS: When package in quantities of 100 lbs or less, and used in a manner and frequency typical of consumer use, Ossian considers this product a consumer use product which is regulated by the Consumer Product Safety Commission (CPSC). Because CPSC labeling requirements differ from the Occupational Safety and Health Administration (OSHA) GHS requirements for safety data sheets (SDS), slight differences in hazard information between the product label and SDS may be observed.

2. HAZARD(S) IDENTIFICATION:

GHS CLASSIFICATION OF MIXTURE:

CONTACT HAZARD – SKIN:	Category 3 – Mild skin irritation.
CONTACT HAZARD – EYE:	Category 2B – Mild irritant.
ACUTE TOXICITY – INHALATION:	No data available. Not classified.
ACUTE TOXICITY – ORAL:	Category 4 – Harmful if swallowed.
ACUTE TOXICITY – DERMAL:	Category 5 – May be harmful in contact with skin
CARCINOGENICITY:	Not classified as a carcinogen per GHS criteria. Not classified as a carcinogen by NTP, IARC, or OSHA

GHS LABELING PICTOGRAM:



GHS SIGNAL WORD:

WARNING

HAZARD STATEMENT: Non-toxic. No adverse health effects are anticipated with normal use of this product.

PRECAUTIONARY STATEMENT:

EYE CONTACT: Low irritant. Exposure may result in mild irritation. Can cause redness and pain.
INHALATION: Low irritant – nuisance dust.
Over exposure to dust may result in upper respiratory tract irritation.
SKIN CONTACT: Low irritant. Prolonged and repeated contact with concentrate may result in slight irritation and dryness of skin to individuals with sensitive skin.
INGESTION: Non-toxic in trace amounts. If ingested in large quantities seek medical attention.

OTHER HAZARDS: No other hazards known



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3. COMPOSITION

SUBSTANCE/MIXTURE: Substance

<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

4. FIRST-AID MEASURES:

FIRST AID INHALATION: Remove to fresh air. Get medical attention for any breathing difficulty.

FIRST AID SKIN: Wash with soap and water. Obtain medical attention if irritation persists.

FIRST AID EYE: In case of contact, immediately flush eyes with plenty of water for at least 15 minutes. If easy to do, remove contact lenses, if worn. If irritation persists, seek medical attention.

FIRST AID INGESTION: If swallowed, give milk or water to drink and telephone for medical advice. Do NOT induce vomiting unless directed to do so by medical personnel. Never give anything by mouth to an unconscious person.

MOST IMPORTANT SYMPTOMS / EFFECTS:

EYE: May cause eye irritation. Symptoms may include temporary discomfort or pain, excess blinking and tear production, with possible redness and swelling.

SKIN: May cause itching or irritation of any cut or abraded skin. Symptoms of prolonged contact may include dry skin.

INHALATION: Inhalation of dust during handling may cause respiratory tract irritation and coughing.

INGESTION: Ingestion of large quantities may cause nausea, vomiting, diarrhea and abdominal discomfort.

INDICATION OF IMMEDIATE MEDICAL ATTENTION AND SPECIAL TREATMENT:

SPECIFIC TREATMENTS: If you feel unwell, see medical advice immediately. Show the label or safety data sheet to medical personnel if possible.

5. FIRE-FIGHTING MEASURES:

EXTINGUISHING MEDIA: Use extinguishing agents appropriate for surrounding fire.

FIRE HAZARD: This material does not burn. Not considered to be a fire hazard.

EXPLOSION: Not considered to be an explosion hazard.

PRODUCTS OF COMBUSTION: Normal combustion forms carbon dioxide and water.



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6. ACCIDENTAL RELEASE MEASURES:

SMALL SPILLS:	Incorrect application of this product from its intended uses is not expected to be harmful to the environment.
LARGE SPILLS:	Avoid contamination of drinking water, natural waterways, or ground water supply. Incorrect application of this product from its intended uses is not expected to be harmful to the environment.
CLEAN UP:	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.
ECOTOXICITY DATA:	Maybe harmful to fresh water aquatic species and to plants that are not saline tolerant.
DISPOSAL METHOD:	Waste must be disposed of in accordance with federal, state/provincial and local environmental control regulations. Flush residue with plenty of water.

7. HANDLING AND STORAGE:

HANDLING PROCEDURES:	Avoid eye contact. Avoid breathing dust when handling.
STORAGE:	Store in tightly sealed original containers, away from direct heat and strong oxidizing agents. Do not store or handle product in systems constructed of wetted parts consisting of galvanized steel, zinc or brass components.

8. EXPOSURE CONTROLS / PERSONAL PROTECTION:

EXPOSURE LIMITS

TWA PEL:	No specific limits have been established for this product. As a guideline, OSHA has established the following limits which are generally recognized for inert or nuisance dust. Particulates Not Otherwise Regulated (PNOR): 8-hr TWA limits of 15 mg/m ³ (total particulate) and 5 mg/m ³ (respirable fraction).
TWA TLV:	No specific limits have been established for this product. As a guideline, ACGIH has established the following limits which are generally recognized for inert or nuisance dust. Particulates (insoluble) Not Otherwise Classified (PNOC): 8-hr TWA limits of 10 mg/m ³ (as total dust) and 3 mg/m ³ (as respirable).

EXPOSURE CONTROLS

ENGINEERING CONTROLS:	No special ventilation is usually necessary; however if operating conditions create high concentrations of this material, special ventilation may be needed to keep exposure to airborne contaminants below the exposure limit.
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INDIVIDUAL PROTECTIVE MEASURE / PERSONAL PROTECTIVE EQUIPMENT

EYE PROTECTION:	Safety glasses or goggles are recommended if eye exposure to product or dust is possible.
SKIN PROTECTION:	Chemical – resistant gloves and clothing should be used if prolonged exposure is possible to prevent drying of skin.



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RESPIRATORY: Breathing of dust should be avoided. If operating conditions create high airborne concentrations of this material, the use of an approved respirator is recommended.

9. PHYSICAL AND CHEMICAL PROPERTIES:

APPEARANCE (PHYSICAL STATE, COLOR, ETC)	White to off-white spherical pellet
ODOR:	Odorless to slight vinegar odor
ODOR THRESHOLD:	NA
pH (5% SOLV/WATER):	8 – 10 (10% aqueous solution)
MELTING/FREEZING POINT:	Decomposes
INITIAL BOILING POINT:	NA
FLASH POINT:	NA
EVAPORATION RATE:	No data available
FLAMMABILITY:	NA
VAPOR PRESSURE (20°C):	NA
VAPOR DENSITY (air=1):	NA
RELATIVE DENSITY:	NA
SOLUBILITY IN WATER:	Partially soluble
PARTITION COEFFICIENT: N-OCTANOL/WATER	No data available
AUTO-IGNITION TEMPERATURE:	No data available
DECOMPOSITION TEMPERATURE:	No data available
VISCOSITY (20°C):	NA
OXIDIZING PROPERTIES	Not oxidizing
EXPLOSIVE PROPERTIES	Not explosive

10. STABILITY & REACTIVITY:

REACTIVITY: No dangerous reactions known under conditions of normal use

CHEMICAL STABILITY: Stable. Polymerization will not occur.

POSSIBILITY OF HAZAROUS REACTIONS: No dangerous reactions known under conditions of normal use

CONDITIONS TO AVOID: Avoid prolonged contact with reactive metals such as magnesium and zinc, especially in closed systems where hydrogen gas from the oxidation of these materials may accumulate over time.

INCOMPATIBLE MATERIALS: Strong oxidizing agents; strong acids.

HAZARDOUS DECOMPOSITION PRODUCTS: May decompose into oxides of carbon

11. TOXICOLOGICAL INFORMATION;

ACUTE TOXICITY
LD50 rat-oral: 3000 mg/kg
LC50 rat-inhalation: >5000 mg/m³
LD50 rat-dermal: >5000 mg/kg
Dermal irritation rabbit: Non-irritating
Ocular irritation rabbit: Moderate redness/discharge and some swelling of iris at 1 hr.; insignificant signs of irritation at 24hr.; all signs cleared at 72hr.
Sub-chronic oral: No effects after 28 consecutive days dosing at 1000 mg/kg/day



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LIKELY ROUTES OF EXPOSURE: Skin contact, eye contact, ingestion.

SYMPTOMS RELATED TO THE PHYSICAL, CHEMICAL, AND TOXICOLOGICAL CHARACTERISTICS

- EYE:** May cause eye irritation. Symptoms may include temporary discomfort or pain, excess blinking and tear production, with possible redness and swelling.
- SKIN:** May cause itching or irritation of any cut or abraded skin. Symptoms of prolonged contact may include dry skin.
- INHALATION:** Inhalation of dust during handling may cause respiratory tract irritation and coughing.
- INGESTION:** Ingestion of large quantities may cause nausea, vomiting, diarrhea and abdominal discomfort.

DELAYED AND IMMEDIATE EFFECTS AND CHRONIC EFFECTS FROM SHORT – AND LONG – TERM EXPOSURE / NUMERICAL MEASURES OF TOXICITY

SKIN CORROSION/IRRITATION	Based on available data, the classification criteria are not met.
SERIOUS EYE DAMAGE / IRRITATION	Based on available data, the classification criteria are not met.
RESPIRATORY OR SKIN SENSITIZATION	Based on available data, the classification criteria are not met.
GERM CELL MUTAGENICITY	Based on available data, the classification criteria are not met.
CARCINOGENICITY	This product does not contain any ingredients that are considered to be carcinogens by IARC, NTP or OSHA
REPRODUCTIVE TOXICITY	Based on available data, the classification criteria are not met.
STOT-SINGLE EXPOSURE	Based on available data, the classification criteria are not met.
STOT-REPEATED EXPOSURE	Based on available data, the classification criteria are not met.
ASPIRATION HAZARD	Based on available data, the classification criteria are not met.

12. ECOLOGICAL INFORMATION;

ECOTOXICITY (AQUATIC AND TERRESTRIAL)

Not expected to cause long-term adverse effects in the aquatic or terrestrial environments.

PERSISTENCE AND DEGRADABILITY

Readily biodegradable. COD (TOD): 0.75 g O₂/g deicer; BOD₂₀ (2°C): 0.40g O₂/g deicer, BOD₂₀ (10°C): 0.67

BIOACCUMULATIVE POTENTIAL Bioaccumulation is not expected.

MOBILITY IN SOIL Adverse effects not expected.

OTHER ADVERSE EFFECTS None expected.

13. DISPOSAL CONSIDERATIONS: (See Section 14 for Regulatory Information)

Reuse or recycle if possible. All disposal practices must be in compliance with all Federal, State/Provincial and local laws and regulations. Regulations may vary in different locations. Report spills if applicable. Waste characterizations and compliance with applicable laws are the responsibility solely of the waste generator. AS YOUR SUPPLIER, WE HAVE NO CONTROL OVER THE MANAGEMENT PRACTICES 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 SDS SECTION: Composition Information. FOR UNUSED & UNCONTAMINATED PRODUCT, the preferred options include sending to a licensed, permitted: Landfill and waste water treatment system.



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14. 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.

15. REGULATORY INFORMATION: (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

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

U.S.A. (TSCA)
EUROPE (EINECS)
CANADA (DSL/NDL)

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

This product does not contain materials 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.



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16. OTHER INFORMATION:

ADDITIONAL HEALTH DATA COMMENT:

This 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 SDS must be given to the buyer or the information incorporated in your SDS. Discard any previous edition of this SDS.

Latest version of this SDS can be found at <http://www.OSSIAN.com> or my emailing icemelt@ossian.com

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