



# American International Chemical, Inc.

Corporate Offices: (800) 238-0001

Internet: www.aicma.com Email: info@aicma.com

## MATERIAL SAFETY DATA SHEET

### SODIUM CARBOXYMETHYLCELLULOSE

#### SECTION 1 - CHEMICAL PRODUCT AND COMPANY INFORMATION

|   |   |  |
|---|---|--|
| American International Chemical, Inc.<br>135 Newbury Street<br>Framingham, MA 01701 | Emergency Number: Chemtrec<br>Information Number: | 800-424-9300<br>703-527-3887<br>800-238-0001 |
|---|---|--|

Date: August 2007

Synonyms: Carboxymethyl ether, sodium salt

CAS #: 9004-32-4

DOT Hazard Class: Not Regulated

#### SECTION 2 - COMPOSITION AND INFORMATION ON INGREDIENTS

Carboxymethylcellulose Sodium 100%

**SECTION 3 - HAZARDS IDENTIFICATION** EMERGENCY OVERVIEW: White to off white odorless fine granules or powder that may cause irritation upon contact. Static charges generated by empty package in or near flammable vapors may cause flash fire. May form flammable dust-air mixtures.

POTENTIAL HEALTH EFFECTS:

**Skin:** May cause skin irritation.

**Eyes:** May cause irritation or burning.

**Inhalation:** May cause irritation to the respiratory tract.

**Ingestion:** Not a hazard with normal industrial usage.

CARCINOGENICITY: Not Identifiable

#### SECTION 4 - FIRST AID MEASURES

**Skin:** Immediately wash skin with soap and water for at least 15 minutes.

**Eyes:** Immediately flush with plenty of water for at least 15 minutes, holding eye lids apart.

**Inhalation:** Remove to the fresh air. If not breathing give artificial respiration. If breathing is difficult, give oxygen.

**Ingestion:** Wash out mouth with water.

**On All Of The Above:** Consult a physician if symptoms persist.

---

## **SECTION 5 - FIRE FIGHTING MEASURES**

Flash Point: Non-combustible (Dry product)

Flammable Limits: Non-combustible (Dry product)

Extinguishing Media: Use media that is appropriate to treat surrounding fire.

Special Fire Fighting Procedures: Use fire fighting procedure that is appropriate to treat surrounding fire. All firefighters should use self-contained breathing apparatus and full fire-fighting turnout gear.

Unusual Fire Explosion Hazard: May form flammable dust-air mixtures

Auto Ignition Temperature: >698°F or 370°C

---

## **SECTION 6 - ACCIDENTAL RELEASE MEASURES**

Isolate hazard area and deny entry to unnecessary or unprotected personnel.

Vacuum or sweep up material for use or disposal. After removal, flush contaminated area thoroughly with water. Avoid wetting spills. Wet spills become very slippery. Apply absorbent to wet spills and sweep up for disposal.

---

## **SECTION 7 - HANDLING AND STORAGE**

Ground all equipment. Avoid contact with skin, eyes and clothing. Use with adequate ventilation. Avoid breathing dust. Use normal personal hygiene and housekeeping. Store in cool dry area away from other incompatible materials. Product is slightly hygroscopic and should be stored in a dry area to prevent moisture pick up and caking.

---

## **SECTION 8 - EXPOSURE CONTROLS, PERSONAL PROTECTION**

RESPIRATORY PROTECTION: Use NIOSH/MSHA approved respirators.

VENTILATION REQUIREMENTS: Ventilate as necessary to eliminate dust from the work area and maintain concentrations below the limit.

SKIN AND EYE PROTECTION:

Use rubber or neoprene gloves, chemical goggles and clothing sufficient to protect skin from dust.

WORK, HYGIENIC PRACTICES:

As required to protect skin and eyes from dust, safety showers and/or eye wash should be available. Do not leave food or smoke in work area. Wash thoroughly and remove or clean any contaminated clothing.

EXPOSURE LIMITS: TWA 5 mg/m<sup>3</sup> or TLV-TWA 3mg/m<sup>3</sup>

---

**SECTION 9 - PHYSICAL AND CHEMICAL PROPERTIES**

Boiling Point: Not Applicable

Vapor Pressure (MM Hg): Not Applicable

Vapor Density (AIR=1): Not Applicable

Specific Gravity (H<sub>2</sub>O=1): 1.59

Percent Volatile by Volume (%): Not Applicable

Melting Point: Not Applicable

Evaporation Rate (Butyl Acetate=1): Not Applicable

Solubility in Water: Negligible

pH: Not Applicable

---

**SECTION 10 - STABILITY AND REACTIVITY**

CHEMICAL STABILITY: Stable under normal temperatures and pressures.

HAZARDOUS POLYMERIZATION: Will not occur under normal conditions.

HAZARDOUS DECOMPOSITION PRODUCTS: Carbon Monoxide, Carbon Dioxide

KEEP AWAY FROM: Keep away from heat, flame, sparks and other ignition sources. Do not store in direct sunlight or expose to UV radiation

---

**SECTION 11 - TOXICOLOGICAL INFORMATION**

Not Available

---

**SECTION 12 - ECOLOGICAL INFORMATION**

Product/Similar Product – 96-hour static acute LC50 (rainbow trout and bluegill sunfish) > 100 ppm. This product is biodegradable.

---

**SECTION 13 - DISPOSAL CONSIDERATIONS**

Dispose of in accordance with all federal, state and local regulations.

RCRA WASTE #: Not Listed

---

**SECTION 14 - TRANSPORTATION INFORMATION**

D.O.T. SHIPPING NAME:.....Carboxymethylcellulose Sodium

---

**SECTION 15 - REGULATORY INFORMATION**

OSHA STATUS: Not Listed

TSCA STATUS: Listed

CERCLA REPORTABLE REQUIREMENTS: (RQ) None

SARA TITLE III INFORMATION:

Section 302 Extremely Hazardous Substance: Unlisted

Section 313 Toxic Chemicals: Unlisted

Section 311/312 Hazard Category: Fire Hazard, Immediate (acute) Health Hazard.

---

**SECTION 16 - OTHER INFORMATION**

HMIS Rating: Health – 1 Flammability 1 Reactivity - 0

Reason for Issue: Changed Date

**This information is given without any warranty or representation. It is believed to be correct but does not claim to be all inclusive and shall be used only as a guide. American International Chemical, Inc., shall not be held liable for any damage resulting from handling or contact with the above product. It is offered solely for your consideration, investigation and verification.**

---