



American International Chemical, Inc.

Corporate Offices: (800) 238-0001
Internet: www.aicma.com Email: info@aicma.com

MATERIAL SAFETY DATA SHEET

SODIUM ALGINATE

Date: August 2007

Synonyms: Sodium Alginate

CAS #: 9005-38-3

DOT Hazard Class: Not Regulated

SECTION 2 - COMPOSITION AND INFORMATION ON INGREDIENTS

Sodium Alginate is a white to tan powder. Sodium Alginate is the purified carbohydrate product extracted from brown seaweeds by the use of dilute alkali. It consists chiefly of the sodium salt of Alginic Acid.

SECTION 3 - HAZARDS IDENTIFICATION

EMERGENCY OVERVIEW:

Appearance and Odor: White to tan powder, with a slight odor.

SLIP HAZARD IF WET: Surfaces that may be covered by the product will become extremely slippery upon application of water.

POTENTIAL HEALTH EFFECTS:

Skin: May cause skin irritation. Prolong contact with the dry powder may cause drying or chapping of the skin.

Eyes: May cause irritation or burning.

Inhalation: Inhalation of the dust may cause coughing and sneezing.

Ingestion: Not toxic if swallowed based on toxicity studies of the components. No significant adverse health effects are expected to develop if only small amounts (less than a mouthful) are swallowed.

Refer to Section 11 for toxicological information.

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: Not Applicable

Flammable Limits: Not Applicable

Extinguishing Media: In case of fire, use water, dry chemical, CO2 or alcohol foam.

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 turn-out gear.

Unusual Fire Explosion Hazard: In common with most organic substances, this product should be treated as a combustible dust when in the finely divided and air suspended state. Surface that may be covered with this product will become extremely slippery upon application of water.

Auto Ignition Temperature: Not Applicable

SECTION 6 - ACCIDENTAL RELEASE MEASURES

In case of spill, do not blow material. Use vacuum equipment designed specifically for handling combustible dusts.

Note: The use of water wash down is not recommended unless the spilled material is already wet. Wet material on a walking surface will be extremely slippery. Wet spills should be thoroughly flushed with water until non-slippery.

Refer to Section 13 for disposal information and Section 15 for reportable quantity information.

SECTION 7 - HANDLING AND STORAGE

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.

Keep away from heat, sparks and flame. Avoid creating dust cloud in handling, transfer and clean up.

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: OSHA and ACGIH have not established specific exposure limits for this material.

SECTION 9 - PHYSICAL AND CHEMICAL PROPERTIES

Appearance: White to tan powder.

Odor: Slight

Vapor Pressure (MM Hg): Not Applicable

Vapor Density (AIR=1): Not Applicable

Specific Gravity (H₂O=1): Not Available

Percent Volatile by Volume (%): Not Applicable

Melting Point: Not Applicable

Evaporation Rate (Butyl Acetate=1): Not Applicable

Solubility in Water: Soluble, forming viscous solutions, becoming a paste at concentrations greater than about 5%.

pH: Approximately neutral (as a 1% solution).

SECTION 10 - STABILITY AND REACTIVITY

CHEMICAL STABILITY: Stable under normal temperatures and pressures.

HAZARDOUS POLYMERIZATION: Will not occur under normal conditions.

HAZARDOUS DECOMPOSITION PRODUCTS: Thermal decomposition products may include carbon dioxide and carbon monoxide.

KEEP AWAY FROM: Strong oxidizers.

SECTION 11 - TOXICOLOGICAL INFORMATION

May be harmful, by inhalation, ingestion, or skin absorption. May cause eye irritation. May cause skin irritation. The chemical, physical and toxicological properties have not been thoroughly investigated.

Oral- rat LD50: > 5,000 mg/kg; practically non-toxic

Inhalation – rat LC50 (1hr): > 4.7 mg/l (nominal)

Eye Irritation – rabbit: non irritating

Skin Irritation – rabbit: non irritating

SECTION 12 - ECOLOGICAL INFORMATION

Not Available

SECTION 13 - DISPOSAL CONSIDERATIONS

Dissolve or mix the material with a combustible solvent and burn in a chemical incinerator equipped with an afterburner and scrubber. Observe all federal, state and local environmental regulations.

RCRA WASTE #: Not Listed

SECTION 14 - TRANSPORTATION INFORMATION

D.O.T. SHIPPING NAME: Sodium Alginate

This product is not hazardous under the applicable DOT, ICAO/IATA, and IMDG regulations.

SECTION 15 - REGULATORY INFORMATION

OSHA STATUS: Refer to Section 11 for OSHA Hazardous Chemical(s) and Section 13 for RCRA classification.

TSCA STATUS: Listed

CERCLA REPORTABLE REQUIREMENTS: Not Applicable

SARA TITLE III INFORMATION:

Section 302 Extremely Hazardous Substance Not Applicable

Section 313 Toxic Chemicals: Not Applicable

Section 311/312 Hazard Category: Not considered a Hazard.

SECTION 16 - OTHER INFORMATION

	<i>Health</i>	<i>Fire</i>	<i>Reactivity</i>
<i>NFPA Rating</i>	<i>0</i>	<i>1</i>	<i>0</i>
<i>HMIS Rating</i>	<i>0</i>	<i>1</i>	<i>0</i>

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.
