

Material Safety Data Sheet

Effective Date: 19-AUG-2003
Product: ECO-MATE ARMICARB "O"

I. IDENTIFICATION

Chemical Name: Not applicable, formulated mixture.
Chemical Family: Alkali Metal Bicarbonate.
Formula: Not applicable, formulated mixture.
Synonyms: None
CAS Number: Not applicable, formulated mixture.
EPA Number: 5905-541

II. PHYSICAL DATA

Boiling Point: Not applicable
Freezing Point: Not applicable
Spec Gravity: 0.760-0.860 gms/cc
Vapor Pressure: Not applicable
Vapor Density: Not applicable
Solubility: Appreciable
Volatiles: Not applicable
Evaporation: Not applicable
Melting Point: Not determined
Appearance: Grayish-white powder with characteristic odor.

III. INGREDIENTS

| Material | CAS Number | Percent | TLV | Hazard |
|---|------------|---------|-----|--------------------------|
| Proprietary Blend of Alkali Metal Carbonate | | 100.00 | N/E | Mild skin & eye irritant |

IV. FIRE AND EXPLOSION HAZARD

Flash Point: Non-combustible
Autoignition Temp: Not applicable
Flammable Limit: Not applicable
Extinguishing Media: Non-combustible solid. Use extinguishing media suitable for underlying cause of fire.
Special Fire Fight Proc: Firefighters should wear self-contained breathing apparatus and full protective clothing.
Fire and Expl Hazard: None currently known.

V. HEALTH HAZARD

Carcinogen Information: Not listed by IARC, NTP or OSHA.

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ACUTE EFFECTS OF OVER EXPOSURE

Swallowing: Low toxicity. Ingestion of large amounts may cause abdominal discomfort and injury. The Acute Oral LD50 (rat) = 2,700 mg/kg.

Skin Absorption: No toxic effects expected. The Acute Dermal LD50 (rat) > 5,000 mg/kg.

Inhalation: Inhalation of product dust may irritate the respiratory tract.

Skin contact: Not a primary skin irritant. Irritation is possible with prolonged or repeated exposure.

Eye Contact: May be irritating to eyes but not expected to result in injury. Effects will be minimized with eye flushing.

Chronic Effects: None currently known.

Other Hazard: Pre-existing respiratory disease, including asthma and emphysema, may be aggravated.

EMERGENCY AND FIRST AID PROCEDURES

Swallowing: If swallowed, do not induce vomiting. If person is conscious, give water to drink. Never give anything by mouth to an unconscious person. Seek medical attention.

Skin: Remove contaminated clothing. Wash exposed areas thoroughly with water. Seek medical attention if irritation develops.

Inhalation: Remove to fresh air. Treat symptomatically.

Eyes: Flush eyes with water for at least 15 minutes, holding eyelids open. If irritation persists, consult a physician.

Notes to Physician: Ingestion of large doses may produce systemic alkalosis. Treatment should be based on judgement of the physician in response to reactions of the patient.

VI. REACTIVITY

Stability: Stable

Conditions to Avoid: Exposure to high humidity or other damp/moist conditions may cake product.

Polymerization: Will Not Occur

Conditions to Avoid: None currently known.

Incompatibility material: Reacts with acids to yield carbon dioxide.

Hazardous Combustion: Thermal decomposition may emit carbon dioxide, oxides of sulfur and potassium oxide.

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VII. SPILL OR LEAK PROCEDURES

Spill or Leak Proc: If uncontaminated, sweep up or collect and reuse product. If contaminated with other material, place in a recovery drum for proper disposal.
Waste Disposal Method: This material must be disposed of according to Federal, State or Local procedures under the Resource Conservation and Recovery Act.

VIII. SPECIAL PROTECTION INFORMATION

Respiration: If dust concentrations exceed recommended PEL, use NIOSH-approved dust mask.
Ventilation: Local exhaust normally sufficient.
Gloves: Impervious
Eyes: Chemical workers' goggles.
Other: No special requirements.

IX. SPECIAL PRECAUTIONS

Special precaution: Keep out of reach of children. Do not store with food, feed or other material to be used or consumed by humans or animals. Do not contaminate water supplies, lakes, streams or ponds. Protect against physical damage. Store in cool, dry place. Keep separate from incompatible materials, such as acids.
Other precaution: None needed.

X. SHIPPING INFORMATION

Shipping name: Not regulated by DOT, IATA or IMDG.
Hazard Class: None
Identification No: None
Labels Required: None required
Placarding: None
Freight Class: Potassium Bicarbonate, Solid, N.O.I. (NMFC Item 45810, Sub 1, Class 50)

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| Chemical Name | Equivalent R.Q. |
|----------------|-----------------|
| Not applicable | Not applicable |

XI. GENERAL PRODUCT INFORMATION

National Fire Protection Association Rating:
(Rating level: 4-Extreme, 3-High, 2-Moderate, 1-Slight, 0-Minimum)

Health: 2 Fire: 0 Reactivity: 0

S.A.R.A. Title III Hazard Classification: (Yes/No)

Immediate (Acute) Health: Y Delayed (Chronic) Health: N
Sudden Release of pressure: N Fire: N
Reactive: N

Mail inquiries to: 225 Schilling Blvd., Suite 300 Collierville, TN 38017
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