

# MATERIAL SAFETY DATA SHEET

## MSDS

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Date-Issued: 08/29/1997  
MSDS Ref. No: AOMN23406  
Date-Revised: 08/29/1997  
Revision No: New MSDS

### Omni Total Alkalinity Increaser

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#### 1. CHEMICAL PRODUCT AND COMPANY IDENTIFICATION

PRODUCT NAME: Omni Total Alkalinity Increaser  
GENERAL USE: Alkalinity increaser.  
CHEMICAL FAMILY: Carbonates

##### MANUFACTURER

Asepsis, Inc.  
Omni  
P.O. Box 537  
Avondale Estates, GA 30002  
Customer SERVICE: (800) 959-7946

##### 24 HR. EMERGENCY TELEPHONE NUMBERS

CHEMTREC (Transportation) (800) 424-9300  
Poison Control Center (Medical)(877) 800-5553

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#### 2. COMPOSITION / INFORMATION ON INGREDIENTS

<u>Chemical Name</u>	<u>CAS#</u>	<u>Wt.%</u>
Sodium hydrogen carbonate	144-55-8	100

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#### 3. HAZARDS IDENTIFICATION

##### EMERGENCY OVERVIEW

PHYSICAL APPEARANCE:  
White, odorless powder.

##### IMMEDIATE CONCERNS:

CAUTION: Avoid contact with eyes, skin or clothing. Wear safety glasses and rubber gloves when handling this product. Remove and wash contaminated clothing before reuse. Do not mix with any other chemicals.

##### POTENTIAL HEALTH EFFECTS

###### EYES:

Causes mild eye irritation.

###### SKIN:

May cause mild skin irritation.

###### INGESTION:

May be harmful if swallowed.

###### INHALATION:

May be irritating to nose and throat. Avoid breathing dust or vapors.

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**CHRONIC:**

There are no known chronic hazards.

**ROUTES OF ENTRY:**

Skin Contact, Inhalation, Ingestion, Eye Contact.

**SENSITIZATION:**

Repeated exposure may lead to contact dermatitis.

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#### 4. FIRST AID MEASURES

**EYES:**

If contact with eyes occurs: Immediately flush with cold water for at least 15 minutes. Then get immediate medical attention.

**SKIN:**

If contact with skin: Rinse off excess chemical and flush skin with cold water for at least 15 minutes. If skin irritation develops, seek immediate medical attention.

**INGESTION:**

If swallowed: Drink large quantities of water, then induce vomiting. Avoid alcohol. Never give anything by mouth to an unconscious person. Call a physician or poison control center immediately.

**INHALATION:**

If inhaled: Remove to fresh air. If breathing is difficult, have trained person administer oxygen. If not breathing, give artificial respiration. Call a physician immediately.

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#### 5. FIRE FIGHTING MEASURES

FLASHPOINT AND METHOD: Non-Flammable  
AUTOIGNITION TEMPERATURE: Not Applicable

**GENERAL HAZARD:**

This product is not flammable or combustible.

**EXTINGUISHING MEDIA:**

This material does not burn. If exposed to fire from another source, use suitable extinguishing agent for that fire.

**FIRE FIGHTING EQUIPMENT:**

Firefighters should wear full protective clothing and self contained breathing apparatus (SCBA). Thoroughly decontaminate fire fighting equipment including all fire fighting wearing apparel after the incident.

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#### 6. ACCIDENTAL RELEASE MEASURES

##### GENERAL PROCEDURES:

STEPS TO BE TAKEN IN CASE MATERIAL IS RELEASED OR SPILLED: Utilizing appropriate protective clothing and safety equipment, contain spilled material. Using clean dedicated equipment, sweep and scoop all spilled material, contaminated soil, and other contaminated material and place in clean dry plastic containers for disposal. Dispose of according to local, state, and federal regulations.

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#### 7. HANDLING AND STORAGE

##### GENERAL PROCEDURES:

Avoid contact with eyes, skin or clothing. Avoid breathing dust.

##### HANDLING:

Mix only with water. Never add water to product. Always add product to large quantities of water. Do not mix with other chemicals. Use clean dry utensils. Do not add this product to any dispensing device containing remnants of any other product. Such use may cause a violent reaction leading to fire or explosion.

##### STORAGE:

Keep this product in its original container when not in use. Store in cool, dry, well-ventilated area. Keep this product and all other chemicals out of children's reach.

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#### 8. EXPOSURE CONTROLS / PERSONAL PROTECTION

##### ENGINEERING CONTROLS:

General room ventilation plus local exhaust should be used to minimize exposure to dust/vapors.

##### PERSONAL PROTECTIVE EQUIPMENT:

###### EYES AND FACE:

Wear goggles or safety glasses with side shields when handling this product.

###### SKIN:

Wear rubber gloves when handling this product. Avoid contact with skin.

###### RESPIRATORY:

A respiratory protection program that meets OSHA 1910.134 and ANSI Z88.2 requirements must be followed whenever workplace conditions warrant a respirator's use.

##### WORK HYGIENIC PRACTICES:

Remove and wash contaminated clothing before reuse.

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#### OTHER USE PRECAUTIONS:

Facilities storing or utilizing this material should be equipped with an eyewash and safety shower.

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## 9. PHYSICAL AND CHEMICAL PROPERTIES

PHYSICAL STATE: Solid  
ODOR: Odorless  
APPEARANCE: Powder  
COLOR: White  
pH: 8.0(1% solution)  
THERMAL DECOMPOSITION: 270°C  
SOLUBILITY IN WATER: 9.6g/100g water  
DENSITY: 45-65 lb/cu ft

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## 10. STABILITY AND REACTIVITY

#### CONDITIONS TO AVOID:

High temperature. Poor ventilation. Contamination. Moisture/high humidity.

#### STABILITY:

This product is stable under normal conditions.

#### POLYMERIZATION:

Hazardous polymerization will not occur under normal conditions.

#### HAZARDOUS DECOMPOSITION PRODUCTS:

When temperature is raised to 190 F and beyond, carbon dioxide gas will be released to the atmosphere. The resulting dust may be irritating to the eyes, skin and respiratory tract.

#### INCOMPATIBLE MATERIALS:

Other swimming pool/spa chemicals in their concentrated forms. Acids.

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## 11. TOXICOLOGICAL INFORMATION

#### ACUTE

ORAL LD<sub>50</sub>: >4220 mg/kg of body weight in rats

#### EYE EFFECTS:

Mildly irritating to eyes.

#### SKIN EFFECTS:

Mildly irritating to skin.

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#### CARCINOGENICITY:

This product is not listed as a carcinogen by IARC.

This product is not listed as a carcinogen by NTP.

This product is not listed as a carcinogen by OSHA.

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## 12. ECOLOGICAL INFORMATION

#### ECOTOXICOLOGICAL INFORMATION:

This product may be toxic to fish and aquatic organisms. Keep product from entering waterways and watersheds.

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## 13. DISPOSAL CONSIDERATIONS

#### DISPOSAL METHOD:

Do not put product, spilled product, or filled or partially filled containers into the trash or waste compactor. Contact with incompatible materials could cause a reaction or fire.

#### PRODUCT DISPOSAL:

Disposal of unused, uncontaminated product is regulated according to local, state and federal regulations.

#### EMPTY CONTAINER:

Do not reuse container. Rinse thoroughly before discarding in trash.

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## 14. TRANSPORT INFORMATION

#### DOT (DEPARTMENT OF TRANSPORTATION)

PROPER SHIPPING NAME: Sodium bicarbonate

PRIMARY HAZARD CLASS/DIVISION: Not listed

UN/NA NUMBER: Not listed

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## 15. REGULATORY INFORMATION

#### UNITED STATES

SARA TITLE III (SUPERFUND AMENDMENTS AND REAUTHORIZATION ACT)

313 REPORTABLE INGREDIENTS: This product or its components are not listed.

CERCLA (COMPREHENSIVE RESPONSE, COMPENSATION, AND LIABILITY ACT)

CERCLA REGULATORY: This product or its components are not listed.

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#### TSCA (TOXIC SUBSTANCE CONTROL ACT)

TSCA REGULATORY: This product or its components are not subject to export notification.

TSCA STATUS: This product or its components are listed on the TSCA Inventory.

#### RCRA STATUS:

This product, as sold, would not be considered a RCRA Hazardous Waste.

#### OSHA HAZARD COMM. RULE:

Product is not hazardous by definition of the Hazardous Communication Standard.

#### FIFRA (FEDERAL INSECTICIDE, FUNGICIDE, AND RODENTICIDE ACT):

This product is not a registered pesticide.

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## 16. OTHER INFORMATION

#### REVISION SUMMARY

New MSDS

#### NFPA CODES

HEALTH: 0    FIRE: 0    REACTIVITY: 0

#### HMIS CODES

HEALTH: 0    FIRE: 0    REACTIVITY: 0    PROTECTION: B

#### MANUFACTURER DISCLAIMER:

IMPORTANT: This information is given without a warranty or guarantee. No suggestions for use are intended or shall be construed as a recommendation to infringe any existing patents or violate any Federal, State or local laws. Safe handling and use is the responsibility of the customer. Read the label before using this product. This information is true and accurate to the best of our knowledge.

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