

Material Safety Data Sheet

1. Product and Company Identification

Effective Date: 05-04-2009

Revision: 00

SWIMMERS ADVANTAGE Total Alkalinity Booster

Principal Use: Alkalinity increaser

Description: White crystalline powder

N. Jonas and Co., Inc.

4520 Adams Circle
P.O. Box 425
Bensalem, PA 19020-0425

Telephone: (215) 639-8071

Only in the Event of a Transportation Emergency Involving Spills, Leaks, Fires or Accidents,
call CHEMTREC at (800) 424-9300.

2. Composition/Information on Ingredients

<u>Ingredients:</u>	<u>%(w/w)</u>	<u>OSHA PEL</u>
Sodium bicarbonate (CAS 144-55-8)	100	Not listed

Ingredients not precisely identified are proprietary or non hazardous. Values are not product specifications

3. Hazards Identification

Emergency Overview

Appearance: White crystalline powder

Physical Hazards: None

Health Hazards: Dust may irritate eyes

* Hazard summary defined by OSHA Hazard Comm. Std., 29 CFR 1910.1200.

Potential Health Effects:

General: This health hazard assessment based on information from commercial and scientific literature.

Ingestion: Extremely large doses may cause gastrointestinal disturbances.

Eye Contact: Contact may cause mild irritation, redness and pain.

Skin Contact: No adverse effects expected.

Skin Absorption: This product will probably not be absorbed through human skin.

Inhalation: High concentrations of dust may cause coughing and sneezing.

4. First Aid Measures:

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<u>First Aid - Eyes:</u>	Immediately flush eyes with plenty of water for at least 15 minutes, lifting eyelids occasionally. Get medical attention at once.
<u>First Aid - Skin:</u>	Wash material off the skin with soap and water. If redness, itching or a burning sensation develops, get medical attention.
<u>First Aid - Ingestion:</u>	Seek medical attention immediately if overdose is taken.
<u>First Aid - Inhalation:</u>	Remove to fresh air. Seek medical attention if discomfort persists.

5. Fire Fighting Measures

<u>Flashpoint and Method:</u>	Will not flash.
<u>Autoignition Temperature:</u>	Not available
<u>Flammable Limits:</u>	Not available
<u>General Hazards:</u>	Evolves carbon dioxide when heated.
<u>Firefighting Instructions:</u>	Use any means suitable for extinguishing surrounding fire.
<u>Firefighting Equipment:</u>	Use protective clothing and breathing equipment appropriate for surrounding fire.
<u>Haz Combustion Products:</u>	Evolves carbon dioxide when heated. Carbon dioxide is an asphyxiant and self contained breathing apparatus is necessary if large quantities are involved. Sodium bicarbonate decomposes on heating resulting in formation of sodium carbonate (soda ash) which is an irritant. Avoid contact and inhalation of soda ash.

6. Accidental Release Measures

<u>Spill Measures:</u>	Sweep up into clean dry containers for salvage or disposal. Wash away uncontaminated residue with water.
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7. Handling and Storage

<u>Handling:</u>	Keep container closed when not in use.
<u>Storage:</u>	Store in a cool, dry place away from any incompatible materials.

8. Exposure Controls/Personal Protection

<u>Exposure Guidelines:</u>	No ACGIH TLV or OSHA PEL assigned to this mixture. Minimize exposure in accordance with good industrial hygiene practice.
<u>Engineering Controls:</u>	Use ventilation adequate to maintain safe levels. Provide eyewash station and safety shower in work area.
<u>Respiratory Protection:</u>	NIOSH approved dust mask.
<u>Protective Clothing:</u>	Full cover clothing, general purpose gloves.
<u>Eye Protection:</u>	Safety glasses for dusty conditions.

9. Chemical and Physical Properties

<u>Appearance:</u>	White crystalline powder
<u>Boiling Point:</u>	Not applicable

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Vapor Pressure:	Not applicable
Vapor Density:	Not applicable
Solubility in Water:	Moderate
pH:	8.2 (1% solution)
Specific Gravity - Density:	2.2
% Volatile:	No data

10. Stability and Reactivity

Stability Text:	Stable below 150 deg. F.
Incompatibility:	Reacts with acids forming a salt, water and carbon dioxide.
<u>Haz. Decomposition Products:</u>	Carbon dioxide and soda ash.
Haz Polymerization Products:	Will not occur.

11. Toxicological Information

Possible Human Health Effects:

Inhalation Tox:	High concentrations of dust may cause coughing and sneezing.
<u>Skin Contact:</u>	No adverse effects expected.
<u>Eye Contact:</u>	Contact may cause mild irritation, redness and pain.
Ingestion Tox:	Extremely large doses may cause gastrointestinal disturbances.
Other Effects of Overexposure:	Large doses, particularly in patients with renal insufficiency, have produced systemic alkalosis and/or expansion in the extra-cellular fluid volume with edema.
Note to Physician:	Not applicable

12. Ecological Information

Ecological Info:	No bioaccumulation expected. No significant environmental hazards expected.
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13. Disposal Consideration

Disposal Method:	Discarded product is not a hazardous waste under RCRA, 40 CFR 261.
Container Disposal:	Empty containers may be incinerated or discarded as general trash.

14. Transport Information

<u>DOT Hazard Description:</u>	Not regulated
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15. Regulatory Information

TSCA (Toxic Substances Control Act) Regulations, 40 CFR 710:

All ingredients are listed on the TSCA Chemical Substances Inventory.

CERCLA and SARA Regulations (40 CFR 355, 370, 372):

This product does not contain any chemicals subject to the reporting requirements under CERCLA.

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California Proposition 65:

None

16. Other Information

The information herein is given in good faith, but no warranty, expressed or implied, is made.

HMIS and NFPA Ratings

<u>Hazard:</u>	<u>HMIS Ratings:</u>	<u>NFPA Ratings:</u>
<u>Health:</u>	0	0
<u>Flammability:</u>	0	0
<u>Reactivity:</u>	0	0

<u>HMIS and NFPA Hazard Rating Codes:</u>				
0 - Least	1 - Slight	2 - Moderate	3 - High	4 - Severe

NOTE: These HMIS and NFPA Ratings are for "new" product. See appropriate sections of this MSDS for specific hazard information and safe handling instructions