

SECTION 1. PRODUCT AND COMPANY IDENTIFICATION 1

Product Name: Aquamate pH Minus, Maintain Pool Pro pH Decreaser, Swim Clear pH Minus, Pool Place A Great Backyard Brand pH Minus
Product Id: 5300
Synonyms: Sodium bisulfate, anhydrous, technical grade; Nitre Cake; GBS
Material Uses: pH Adjustment in swimming pools, spas and hot tubs.
Chemical Formula: NAHSO_4
Revised Date: 03-16-2015
Manufactured By: Jones Hamilton Company
30354 Tracy Rd
Walbridge, Ohio 43465
Tel: (419) 666-9838
Fax: (419) 666-1817
In Case of Emergency: CHEMTREC, U.S.: 1-800-424-9300
Packaged By: Baleco International Inc.
3200 State Line Rd
North Bend, OH 45052
(513) 353-3000

SECTION 2. HAZARDS IDENTIFICATION 2

OSHA/HCS Status: This material is considered hazardous by the OSHA Hazard Communication Standard (29 CFR 1910.1200).

Classification of the Substance or Mixture: SERIOUS EYE DAMAGE/EYE IRRITATION – Category 1

GHS Label Elements

Hazard Pictogram(s):



Signal Word: Danger

Hazard Statement: H318 – Causes serious eye damage.

Precautionary Statements

Prevention: P280 – Wear eye or face protection.

P264 – Wash hands thoroughly after handling.

Response: P305 + P351 + P338 + P310 – IF IN EYES: Rinse cautiously with water for several Minutes. Remove contact lenses, if present and easy to do. Continue rinsing. Immediately call a POISON CENTER or physician.

Storage: Not applicable.

Disposal: Not applicable.

Hazards Not Otherwise Classified: None known.

SECTION 3. COMPOSITION / INFORMATION ON INGREDIENTS 3

Substance/Mixture: Substance

Other Means of Identification: Nitre cake, GBS, sodium hydrogensulphate

CAS Number/Other Identifiers

CAS Number: 7681-38-1

Product Code: SBSCUN01

United States - Mexico

Chemical Name	CAS	%	PEL	TVL
Sodium Bisulfate	7681-38-1	>90	None Established	None Established

Any concentration shown as a range is to protect confidentiality or is due to batch variation.

There are no additional ingredients present which, within the current knowledge of the supplier and in the concentrations applicable, are classified as dangerous to health or the environment and hence require reporting in this section.

Occupational exposure limits, if available, are in Section 8.

SECTION 4. FIRST AID MEASURES 4

Description of Necessary First Aid Measures

Eye contact: Immediately flush eyes with plenty of water, occasionally lifting the upper and lower eyelids. If redness or irritation persists, get prompt medical attention.

Inhalation: Move exposed person to fresh air. If not breathing, if breathing is irregular or if respiratory arrest occurs, provide artificial respiration or oxygen by trained personnel. If irritation or discomfort persists, seek medical attention.

Skin contact: In case of contact, immediately flush skin with plenty of water for at least 20 minutes. If skin irritation occurs, seek medical attention.

Ingestion: Wash out mouth with water. Do not induce vomiting unless directed to do so by medical personnel. Never give anything by mouth to an unconscious person. Call medical doctor or poison control center immediately.

Most Important Symptoms/Effects, Acute and Delayed

Potential Acute Health Effects

Eye Contact: Causes serious eye damage.

Inhalation: Inhalation of dust may irritate nose, throat and/or lungs.

Skin Contact: Prolonged exposure may cause skin irritation.

Ingestion: Small amounts (tablespoonful) swallowed are not likely to cause injury; however, swallowing large amounts may irritate or burn digestive tract.

Over-Exposure Signs/Symptoms

Eye Contact: Adverse symptoms may include the following: pain, watering, redness.

Inhalation: No known significant effects or critical hazards.

Skin Contact: Adverse symptoms may include the following: Pain or irritation, redness, blistering may occur if repeated exposure.

Ingestion: Adverse symptoms may include the following: Stomach pains.

Indication of Immediate Medical Attention and Special Treatment Needed, if Necessary

Notes to Physician: Treat symptomatically. Contact poison treatment specialist immediately if large quantities have been ingested or inhaled.

Specific Treatments: No specific treatment.

Protection of First-aiders: No action shall be taken involving any personal risk or without suitable training.

SECTION 5. FIRE FIGHTING MEASURES 5

Extinguishing media

Suitable Extinguishing Media: Use an extinguishing agent suitable for the surrounding fire.

Unsuitable Extinguishing Media: None known.

Specific Hazards Arising from the Chemical: No specific fire or explosion hazard.

Hazardous Decomposition Products: Decomposition products may include the following materials: sulfur oxides.

Special Protective Actions for Fire-Fighters: No special measures are required.

Special Protective Equipment for Fire-Fighters: Fire-fighters should wear appropriate protective equipment and self-contained breathing apparatus (SCBA) with a full face-piece operated in positive pressure mode.

SECTION 6. ACCIDENTAL RELEASE MEASURES 6

Personal Precautions, Protective Equipment and Emergency Procedures

For Non-Emergency Personnel: Do not breathe dust. Provide adequate ventilation. Wear appropriate respirator when ventilation is inadequate. Put on appropriate personal protective equipment.

For Emergency Responders: If specialized clothing is required to deal with the spillage, take note of any information in Section 8 on suitable and unsuitable materials. See also the information in "For Non-Emergency Personnel".

Environmental Precautions: Avoid dispersal of spilled material and runoff and contact with soil, waterways, drains and sewers. Inform the relevant authorities if the product has caused environmental pollution (sewers, waterways, soil or air).

Methods and Materials for Containment and Cleaning Up

Small Spill: Vacuum or sweep up material and place in designated, labeled waste container. Dispose of via a licensed waste disposal contractor.

Large Spill: Prevent entry into sewers, water courses, basements or confined areas. Vacuum or sweep up material and place in a designated, labeled waste container. Dispose of via a licensed waste disposal contractor. Note see section 1 for emergency contact information and section 13 for waste disposal.

SECTION 7. HANDLING AND STORAGE 7

Precautions for Safe Handling

Protective Measures: Put on appropriate personal protective equipment (see Section 8). Avoid breathing dusts. Wash thoroughly after handling.

Advice on General Occupational Hygiene: Eating, drinking and smoking should be prohibited in areas where this material is handled, stored and processed. Workers should wash hands and face before eating, drinking and smoking. See also Section 8 for additional information on hygiene measures.

Conditions for Safe Storage, Including any Incompatibilities: Material is hygroscopic and will readily absorb moisture. DO NOT store dry product where exposed to moist conditions. Keep container tightly closed.

SECTION 8. EXPOSURE CONTROLS / PERSONAL PROTECTION 8

Control Parameters

Occupational Exposure Limits: None

Mexico: None

Appropriate Engineering Controls: If user operations generate dust, fumes, gas, vapor or mist, use process enclosures, local exhaust ventilation or other engineering controls to keep worker exposure to airborne contaminants below any recommended or statutory limits.

Environmental Exposure Controls: Emissions from ventilation or process equipment should be checked to ensure they comply with the requirements of environmental protection legislation.

Individual Protection Measures

Hygiene Measures: Ensure that eyewash stations and safety showers are close to the workstation location. Wash hands, forearms and face thoroughly after handling chemical products, before eating, smoking and using the lavatory and at the end of the working period.

Eye/Face Protection: Safety eyewear should be used when there is a likelihood of exposure.

Recommended: Safety glasses with side shields.

Skin Protection

Hand Protection: Use gloves appropriate for work or task being performed. Recommended: Rubber Gloves.

Body Protection: Cotton blend coveralls.

Other Skin Protection: Appropriate footwear and any additional skin protection measures should be selected based on the task being performed and the risks involved and should be approved by a specialist before handling this product.

Respiratory Protection: In dusty atmospheres ($>10\text{mg}/\text{m}^3$), use a NIOSH-approved dust respirator.

SECTION 9.**PHYSICAL AND CHEMICAL PROPERTIES****9****Appearance**

Physical state:	Dry (Anhydrous) crystalline solid spherical shape beads.
Color:	Off-white
Odor:	Fresh to pungent
Odor Threshold:	Not available.
pH:	<1[Conc. (%w/w): 5%]
Melting Point:	177°C (350.6° F)
Boiling Point:	Not available.
Flash Point:	Not available.
Evaporation Rate:	Not available.
Flammability (solid, gas):	Not available.
Lower and Upper Explosive	
Flammable Limits:	Not available.
Vapor Pressure:	Not available.
Vapor Density:	Not available.
Relative Density:	1.28
Solubility:	Partially soluble in the following materials: cold water & hot water.
Partition Coefficient:	
N-octanol/water:	Not available.
Auto-Ignition Temperature:	Not available.
Decomposition Temperature:	Not available.
Viscosity:	Not available.
Volatility:	Not available.

SECTION 10.**STABILITY AND REACTIVITY****10**

Reactivity: No specific test data related to reactivity available for this product or its ingredients.

Chemical Stability: The product is stable

Possibility of Hazardous Reactions: Under normal conditions of storage and use, hazardous reactions will not occur.

Conditions to Avoid: DO NOT store dry product where exposed to moist conditions.

Incompatible Materials: Reactive or incompatible with the following materials: oxidizing materials, acids and alkalis. DO NOT MIX dry or concentrated solutions of this product with concentrated solutions of chlorine bleach, ammonia cleansers or similar products.

Hazardous Decomposition Materials: Under normal conditions of storage and use, hazardous decomposition products should not be produced.

SECTION 11.**TOXICOLOGICAL INFORMATION****11****Information on Toxicological Effects****Acute toxicity**

Product/Ingredient Name	Result	Species	Dose	Exposure
Sodium bisulfate	LD50 Oral	Rat	2800 mg/kg	-

Irritation/Corrosion: There is no data available.

Sensitization: There is no data available.

Carcinogenicity: There is no data available.

Specific Target Organ Toxicity (single exposure): There is no data available.

Specific Target Organ Toxicity (repeated exposure): There is no data available.

Aspiration Hazard: There is no data available.

Information on the Likely Routes of Exposure: Dermal contact. Eye contact. Inhalation. Ingestion.

Potential Acute Health Effects

Eye Contact: Causes serious eye damage.

Inhalation: Inhalation of dust may irritate nose, throat and/or lungs.

Skin Contact: Prolonged exposure may cause skin irritation.

Ingestion: Small amounts (tablespoonful) swallowed are not likely to cause injury; however, Swallowing large amounts may irritate or burn digestive tract.

Symptoms Related to the Physical, Chemical and Toxicological Characteristics

Eye Contact: Adverse symptoms may include the following: pain, watering, redness.

Inhalation: No known significant effects or critical hazards.

Skin Contact: Adverse symptoms may include the following: Pain or irritation, redness, blistering may occur if repeated exposure.

Ingestion: Adverse symptoms may include the following: Stomach pains.

Delayed and Immediate Effects and also Chronic Effects from Short and Long Term Exposure

Short Term Exposure

Potential Immediate Effects: No known significant effects or critical hazards.

Potential Delayed Effects: No known significant effects or critical hazards.

Long Term Exposure

Potential Immediate Effects: No known significant effects or critical hazards.

Potential Delayed Effects: No known significant effects or critical hazards.

Potential Chronic Health Effects

General: No known significant effects or critical hazards.

Carcinogenicity: No known significant effects or critical hazards.

Mutagenicity: No known significant effects or critical hazards.

Teratogenicity: No known significant effects or critical hazards.

Developmental Effects: No known significant effects or critical hazards.

Fertility Effects: No known significant effects or critical hazards.

Numerical Measures of Toxicity

Acute toxicity Estimates

Route	ATE Value
Oral	3080.3 mg/kg

SECTION 12. ECOLOGICAL INFORMATION

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Toxicity: There is no data available.

Persistence and Degradability: There is no data available.

Bioaccumulative Potential: There is no data available.

Mobility in Soil

Soil/water Partition Coefficient (K_{oc}): There is no data available.

Other Adverse Effects: This product readily dissolves in water to form a weak acid solution. A 0.05 percent or greater (by weight) solution of this product will likely be acutely harmful to aquatic life.

SECTION 13. DISPOSAL CONSIDERATIONS

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Disposal Methods: The generation of waste should be avoided or minimized whenever possible. This material and its container must be disposed of in a safe way. Avoid dispersal of spilled material and runoff and contact with soil, waterways, drains and sewers. Empty containers or liners may retain some product residues. Dispose of surplus and non-recyclable products via a licensed waste disposal contractor.

SECTION 14. TRANSPORT INFORMATION

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DOT/Mex Classification: Not Regulated

IMDG: Not regulated.

IATA: Not regulated

SECTION 15.

REGULATORY INFORMATION

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U.S. Federal Regulation: TSCA 8(a) CDR Exempt/Partial Exemption: Not determined
United States Inventory (TSCA 8b): All components are listed or exempted.
Clean Air Act Section 112(b) Hazardous Air Pollutants (HAPs): Not listed
Clean Air Act Section 602 Class I Substances: Not listed
Clean Air Act Section 602 Class II Substances: Not listed
DEA List I Chemicals (Precursor Chemicals): Not listed
DEA List II Chemicals (Essential Chemicals): Not listed
SARA 302/304
Composition/information on ingredients: No products were found.
SARA 304RQ: Not applicable.
SARA 311/312 Classification: Immediate (acute) health hazard.
 Composition/information on ingredients

Name	%	Fire Hazard	Sudden release of pressure	reactive	Immediate (acute) health hazard	Delayed (chronic) health hazard
Sodium bisulfate	>90	No	No	No	Yes	No

State Regulations:

Massachusetts: None of the components are listed.
New York: None of the components are listed.
New Jersey: None of the components are listed.
Pennsylvania: None of the components are listed.
California Prop 65: No products were found.

Section 16.

OTHER INFORMATION

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National Fire Protection Association (U.S.A.)



The information provided in this material safety data sheet is correct to the best of our knowledge, information and belief at the date of its publication. The information given is designed only as a guidance for safe handling, use, processing, storage, transportation, disposal and release and is not to be considered a warranty or quality specification. This information should be available to all who will use, handles, store, transport, or otherwise be exposed to this product. This Information has been prepared for the guidance of plant engineering, operations and management and for persons working with or handling this product. Baleco believes this information to be reliable and up to date as of the date of publication, but makes no warranty that it is. Additionally, if this safety data sheet is more than three years old, you should contact Baleco at The phone number listed in section 1 to verify the safety data sheet is current.

This SDS is prepared according to the OSHA Hazard Communication Standard (29 CFR 1910.1200). Although the information and recommendations set forth herein (hereinafter "information") are presented in good faith and believed to be correct as of the date hereof, Baleco Int'l Inc. makes no representations as to the completeness or accuracy thereof. Information is supplied upon the condition that the persons receiving same will make their own determination as to its safety and suitability for their purposes prior to use. In no event will Baleco Int'l Inc. be responsible for damages of any nature whatsoever resulting from the use or reliance upon information.

Reason(s) for Revision:
 3 year review

Updates to all sections to bring into compliance.

Prepared By: SDS / MSDS Dept. Baleco Int'l Inc. in conjunction with the sds/msds of the manufacturer.
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End of Safety Data Sheet