

Material Safety Data Sheet

May be used to comply with OSHA's Hazard Communication Standard, 29 CFR 1910.1200. Standard must be consulted for specific requirements.

U.S. Department of Labor

Occupational Safety and Health Administration
(Non-Mandatory Form)
Form Approved
OMB No. 1218-0072

| | | |
|---|-------------------------------|--|
| IDENTITY (As Used on Label and List) | POOL CARE pH MINUS | <i>Note: Blank spaces are not permitted. If any item is not applicable, or no information is available, the space must be marked to indicate that.</i> |
|---|-------------------------------|--|

Section I – General Information

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|---|--|
| Manufacturer's Name: QUALCO, INC. | Telephone Number for Information: 973-473-1222 |
| Address (Number, Street, City, State and ZIP Code) 225 Passaic Street | Emergency Telephone Number (973) 473-1222 or (CHEMTREC) 1-800-424-9300 |
| Passaic, NJ 07055 | Date Prepared MARCH 2012 |
| | Signature of Preparer (optional) |

Section II – Hazardous Ingredients/Identity Information

| Hazardous Components (Specific Chemical Identity: Common Name(s)) | OSHA PEL | ACGIH TLV | Other Limits Recommended | % (optional) |
|---|------------------|------------------|--------------------------|---------------|
| Sodium Bisulfate (CAS #7681-38-1) | Note Est. | Not. Est. | | 100.0% |
| (Nitrate cake/GBS) | | | | |
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DOT Hazard Class: N/A UN 1821

Section III – Physical/Chemical Characteristics

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|------------------------------|-----|--|------------------------|
| Boiling Point | N/A | Specific Gravity (H ₂ O = 1) Bulk Density | 83 lb./ft ³ |
| Vapor Pressure (mm Hg.) | N/A | Melting Point – Decomposes @ | 350°F |
| Vapor Density (AIR = 1) | N/A | Evaporation Rate (Butyl Acetate = 1) | N/A |
| Solubility in Water Complete | | pH: (10% slurry): | Approx. 2.0 |

Appearance and Odor Off-white, bead-like, granular, dry material.

Section IV – Fire and Explosion Hazard Data

| | | | |
|--|-----------------------------------|------------|------------|
| Flash Point (Method Used) N/A | Flammable Limits Non-Flammable | LEL N/A | UEL N/A |
| Extinguished Media Water or dry chemical appropriate for surrounding fire. | | | |
| Special Fire Fighting Procedures: If water is used for surrounding fire, contact with product (water) will form sulfuric acid. Wear SCBA and acid protective equipment. Elevated temperatures above 570°F will cause hazardous fumes or sulfur dioxide and sulfur trioxide. Wear full SCBA gear. | | | |
| Unusual Fire and Explosion Hazards Product readily dissolves in water to form weak sulfuric acid solution. No gases or toxic fumes are emitted from this reaction, but precautions for exposure to sulfuric acid should be followed. | | | |
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(Reproduce locally)

Pool Care pH Minus

| Section V – Reactivity Data | | | |
|---|---|--|---|
| Stability | Unstable | | Conditions to Avoid: Store in dry area to avoid moisture contact. |
| | Stable | X | |
| Incompatibility (<i>Materials to Avoid</i>) Material will react with water to form weak sulfuric acid solution. Avoid contact with strong alkaline materials such as caustics. | | | |
| Hazardous Decomposition of Byproducts None unless heated over 570°F at which sulfur dioxide and sulfur trioxide are formed. | | | |
| Hazardous Polymerization | May Occur | | Conditions to Avoid N/A |
| | Will Not Occur | X | |
| Section VI – Health Hazard Data | | | |
| Route(s) of Entry | Inhalation? Yes | Skin? Yes | Ingestion? Yes |
| Health Hazards (<i>Acute and Chronic</i>) Acute: Will cause skin and eye burns if not flushed with water. Will also burn with inhalation and ingestion. Continued exposure may cause skin dermatitis and damage, and conjunctivitis to the eyes. | | | |
| Carcinogenicity N/A | NTP? N/A | IARC Monographs? N/A | OSHA Regulated? N/A |
| Signs and Symptoms of Exposure: Eyes and Skin: Irritation, redness, burning, eye tearing. Inhalation: May irritate or burn nose, throat and lungs. Ingestion: May irritate or burn mouth, esophagus, or stomach. May cause nausea and vomiting. | | | |
| Medical Conditions Generally Aggravated by Exposure Persons with pre-existing eye, skin and respiratory disorders may be susceptible to aggravation due to the irritant nature of product. | | | |
| Emergency and First Aid Procedures Eyes & Skin: Flush with water for 15 minutes. See physician. Inhalation: Remove to fresh air. If irritation persists, get medical attention. Ingestion: Drink large quantities of water or milk. Follow with milk of magnesia, vegetable oil, or beaten egg whites. DO NOT induce vomiting. Get immediate medical attention. | | | |
| Section VII – Precautions for Safe Handling and Use | | | |
| Steps to be Taken in Case Material is Released or Spilled Dry granular spill can be swept up from surfaces. For a larger spill, neutralize balance of material left after sweeping with a weak alkaline solution, and wash down to sewer only if neutralized and allowed by Federal, state and local regulations. | | | |
| Waste Disposal Method Follow all local, state and Federal regulations regarding disposal. Preferred method is by secured landfill or approved contractor. | | | |
| Precautions To Be Taken In Handling And Storing Store in a cool, dry well-ventilated area away from moisture and alkaline materials. | | | |
| Other Precautions Keep away from children and persons unfamiliar with its use. Wear proper protective gear. Use product only as directed. Handle with care. | | | |
| Section VIII – Control Measures | | | |
| Respiratory Protection (<i>Specify Type</i>) Wear NIOSH/MSHA approved dust respirator if dusty conditions exist. | | | |
| Ventillation | Local Exhaust | Special | |
| | Mechanical (<i>General</i>) Adequate | Other | |
| Protective Gloves | Rubber or plastic | Eye Protection Do not wear contact lenses. Use chemical safety goggles or face shield. | |
| Other Protective Clothing or Equipment Eye wash & safety shower in work/storage areas. Uniform or coverall, or lab coat or similar to minimize contact with product. | | | |
| Work/Hygienic Practices Remove contaminated clothing and launder before reuse. Wash well after use and observe good, personal hygiene. | | | |