# SAFETY DATA SHEET

## 1. PRODUCT IDENTIFICATION

Product Name: DRY FILTER CLEANER
Synonym(s): Dry Filter Cleaner
Recommended Uses: Pool and Spa Cartridge Filter Cleaner
SDS Reference: 51

Company Information: ALLCHEM PERFORMANCE PRODUCTS, INC.
6010 NW FIRST PLACE
GAINESVILLE, FL 32607
Tel: 352-378-9696

Distributed By: WINDO
6934 EAST FIRST AVENUE SUITE 101
SCOTTSDALE AZ 85251

24 HOUR EMERGENCY NUMBER: INFOTRAC (TRANSPORTATION): 1-800-535-5053

## 2. HAZARD(S) IDENTIFICATION

Classification: ACUTE ORAL TOXICITY
EYE IRRITANT
SKIN IRRITANT
ENVIRONMENTAL HAZARD

Signal Word: WARNING

Hazard Statements: HEALTH HAZARDS:
Oral Hazard - Harmful if swallowed - Category 4 - H302
Eye Irritant - Causes serious eye irritation - Category 2 - H319
Skin Irritant - Causes skin irritation - Category 2 - H315
ENVIRONMENTAL HAZARDS:
Aquatic Acute - Harmful to aquatic life with long lasting effects - Acute 3 - H412

Precautionary Statements: Wash thoroughly after handling. Avoid breathing dust. Wear protective gloves / eye protection / face protection.

Eye Contact: Rinse continuously with water for several minutes. Remove contact lenses if present and easy to do - continue rinsing. If eye irritation persists, get medical advice / attention.

Skin Contact: Wash with plenty of soap and water. If skin irritation occurs, get medical advice / attention. Take off contaminated clothing and wash before reuse.

Inhalation: Causes coughing and irritation of the nose, throat, and mucous membranes.

Ingestion: Do not induce vomiting. Call POISON CENTER IMMEDIATELY.

## 3. COMPOSITION

| | | PERCENT % | CAS # |
|---|---|---|---|
| Chemical Name: | Sulphamic Acid | 100 | 5329-14-6 |

## 4. FIRST AID

If In Eyes: Irrigate copiously with clean water for at least 15 minutes, holding the eyelids apart and seek immediate medical attention.

If on Skin or Clothing: Remove contaminated clothing. Wash skin thoroughly with soap for 20 minutes. Seek immediate medical attention if irritation develops or persists.

If Inhaled: Remove to fresh air, keep patient warm and at rest. If breathing is irregular or stopped, give artificial respiration and seek immediate medical attention. If unconscious place in the recovery position and obtain immediate medical attention. Give nothing by mouth.

If Swallowed: If swallowed obtain immediate medical attention. Keep at rest. Do NOT induce vomiting.

Note: Have the product container or label with you when calling a poison control center or doctor, or going for treatment.

## 5. FIREFIGHTING MEASURES

Suitable / Unsuitable Extinguishing Media: Dry chemical, foam, carbon dioxide or water fog. Use water to cool fire-exposed containers and to protect personnel.

Specific Hazards from Chemical: Sulphamic Acid as a solid is not combustible, but as a solution - it is corrosive and a severe inhalation and contact hazard to firefighters.

Special Protective Equipment: Evacuate area of unprotected personnel. Wear protective clothing including NIOSH-Approved self-contained breathing apparatus. Run-off from fire control or dilution water may be corrosive and/or toxic and cause pollution.

Other Information: Hazardous Combustion Products: Nitrogen oxides, carbon oxides, sulfur oxides, and ammonia.

## 6. ACCIDENTAL RELEASE MEASURES

Personal Precautions: Put on appropriate personal protective equipment (see section 8).

Methods and Materials for cleanup: Do not allow spills to enter drains or waterways.
Use good personal hygiene practices. Wash hands before eating, drinking, smoking or using toilet. Promptly remove soiled clothing and wash thoroughly before reuse.
In the case of large spills, evacuate unprotected personnel from the area, and take care that proper ventilation is maintained and proper safety equipment is being used. Sweep up material into containers for neutralizing with soda ash or sodium bicarbonate. Flush area with water.
Contain, dilute cautiously with water, and neutralize with soda ash or lime.

## 7. HANDLING AND STORAGE

Handling: Keep container closed after each use. Use this product only with adequate ventilation. Wash thoroughly after handling.

Storage: Store in a dry, cool location, away from direct sunlight, sources of intense hear, or where freezing is possible. Keep container closed after each use.
Incompatible materials: Cyanides, sulfides, nitrites, nitrates, carbonates, metal oxides, strong oxidizing agents and strong bases. Chlorination of sulfamic acid with acidic ammonium chloride solutions gives the powerfully explosive oil, nitrogen trichloride. Heating mixtures of barium, potassium or sodium amidosulfates or sulfamic acid, with sodium or potassium nitrates or nitrites, leads to reactions which may be explosive. Mixing sulfamic acid with fuming nitric acid results in violent release of nitrous oxide.

## 8. EXPOSURE CONTROLS / PERSONAL PROTECTIONS

OSHA permissible exposure limit: COMPONENT INFO:

Particulates not otherwise classified:
OSHA:
15 mg/m3 TWA (total dust)
5 mg/m3 TWA (respirable fraction)
DFG MAKs:
4 mg/m3 TWA (inhalable fraction)
1.5 mg/m3 TWA (respirable fraction)

Appropriate Engineering Controls: Use mechanical ventilation such as dilution and local exhaust. Use a corrosion-resistant ventilation system and exhaust directly to the outside. Supply ample air replacement. Provide dust collectors with explosion vents.

Individual Protection Measures: Respiratory Protection: Use NIOSH/MSHA approved respirator, following manufacturer's recommendations when concentrations exceed permissible exposure limits.
Eyes Protection: Wear safety glasses or goggles. Eye wash fountains in work area are recommended.
Skin Protection: It is recommended that workers wear a rubber apron, chemical safety shoes, and protective clothing to cover their skin. Provide a safety shower in the work area. Wear acid-resistant gloves.
Use good personal hygiene practices. Wash hands before eating, drinking, smoking or using toilet. Promptly remove soiled clothing and wash thoroughly before reuse.

## 9. PHYSICAL AND CHEMICAL PROPERTIES

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|---|---|
| Appearance: | Off-white crystalline |
| Odor: | Odorless |
| Odor Threshold: | No data available |
| pH: | 1.18 |
| Melting Point/Freezing Point: | 205°C (401°F) |
| Initial Boiling Point/Boiling Range: | Decomposes @ 209°C (408°F) |
| Flash Point: | No data available |
| Evaporation Rate: | No data available |
| Flammability (solid/gas): | Not Applicable |
| Upper/lower Flammability or Exposure limits: | 9.3% (v.v) solution |
| Vapor Pressure: | No data available |
| Vapor Density: | No data available |
| Density: | 68.5 lbs/ft3 |
| Solubility(ies): | 14.7% at 0°C |
| Partition Coefficient: n-octanol/water: | No data available |
| Auto-ignition Temperature: | No data available |
| Decomposition Temperature: | 209°C (408°F) |
| Viscosity: | No data available |

## 10. STABILITY AND REACTIVITY

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| Stability/Reactivity: | Stable when dry, but slowly hydrolyzes in solution. |
| Possibilities of Hazardous Reactions: | Hazardous Polymerization: Will Not Occur |
| Conditions to Avoid: | Avoid temperatures above 400°F. Hygroscopic materials. Avoid contact with moisture. |
| Incompatible Materials: | Cyanides, sulfides, nitrites, nitrates, carbonates, metal oxides, strong oxidizing agents and strong bases. Chlorination of sulphamic acid with acidic ammonium chloride solutions gives the powerfully explosive oil, nitrogen trichloride. Heating mixtures of barium, potassium or sodium amidosulfates or sulphamic acid, with sodium or potassium nitrates or nitrites, leads to reactions which may be explosive. Mixing sulphamic acid with fuming nitric acid results in violent release of nitrous oxide. |
| Hazardous Decomposition Materials: | Nitrogen oxides, carbon oxides, sulfur oxides and ammonia gas. Concentrated solutions, when heated will release sulfur dioxide and sulfur trioxide. Aqueous solutions of sulphamic acid slowly hydrolyze to form ammonium sulfate and ammonium bisulfate. |

## 11. TOXICOLOGICAL INFORMATION

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| Acute Toxicity: | COMPONENT TOXICITY:<br>Sulphamic acid<br>LD50: 3160 mg/kg Rat<br><br>Acute Toxicity Estimates:<br>Acute toxicity (oral) - Category 4<br>Skin Corrosion - Category 2<br>Serious Eye Damage - Category 2A<br><br>No other toxicity data is available |
| Chronic Toxicity: | No data available |
| Reproductive Toxicity: | No data available |
| Carcinogenicity: | No data available |
| Mutagenicity: | No data available |

## 12. ECOLOGICAL INFORMATION

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| Aquatic Toxicity: | Sulphamic acid:<br>LC50 (96h): 58.8 - 84 mg/L Pimpephales promelas<br>Sulfamic acid is toxic to fish and marine organisms when applied to streams, rivers, ponds or lakes.<br><br>No other toxicity data is available. |
| Avian Toxicity: | No data available. |
| Environmental Hazards: | As shipped, this product has no EPA waste code. Solutions of this product may be considered D002, corrosivity waste under RCRA. Wastes should be tested to determine applicability.<br>No EPA waste numbers are applicable for this product's components. |

## 13. DISPOSAL CONSIDERATIONS

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| Disposal: | All wastes must be handled in accordance with local, state and federal regulations. |

## 14. TRANSPORATION INFORMATION

Package exceptions may be applicable. Refer to the appropriate IMDG, IATA and/or 49 CFR regulations accordingly.

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| DOT: | UN2967, Sulfamic Acid, 8, PG III |

## 15. REGULATORY INFORMATION

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| TSCA: | USA: Reported in the EPA TSCA Inventory. |
| SARA (311, 312): | Immediate Health and Chronic Hazard |
| SARA 313: | To the best of our knowledge, there are no chemicals at levels which require reporting under this statute. |
| Right To Know Hazardous Substance List: | California Proposition 65: This product and is not listed.<br>New Jersey - Sulphamic Acid listed. |
| Waste Classification: | As shipped, this product has no EPA waste code. Solutions of this product may be considered D002, corrosivity waste under RCRA. Wastes should be tested to determine applicability. |

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|---|---|
| | No EPA waste numbers are applicable for this product's components. |
| Workplace Classification: | This product is considered hazardous under the OSHA Hazard Communication Standard (29CFR 1910.1200). |
| CERCLA Reportable Quantity: | Not listed. |

**16. OTHER INFORMATION**

ALWAYS COMPLY WITH ALL APPLICABLE INTERNATIONAL, FEDERAL, STATE AND LOCAL REGULATIONS REGARDING THE TRANSPORTATION, STORAGE, USE AND DISPOSAL OF THIS CHEMICAL. Due to the changing nature of regulatory requirements, the REGULATORY INFORMATION listed in Section 15 of this document should NOT be considered all-inclusive or authoritative. International, Federal, State and Local regulations should be consulted to determine compliance with all required reporting requirements. The information in this SDS was obtained from sources, which we believe are reliable. HOWEVER, THE INFORMATION IS PROVIDED WITHOUT ANY WARRANTY, EXPRESS OR IMPLIED, REGARDING ITS CORRECTNESS. The conditions or methods of handling, storage, use, and disposal of the product are beyond our control and may be beyond our knowledge. FOR THIS AND OTHER REASONS, WE DO NOT ASSUME RESPONSIBILITY AND EXPRESSLY DISCLAIM LIABILITY FOR LOSS, DAMAGE OR EXPENSE ARISING OUT OF OR IN ANY WAY CONNECTED WITH THE HANDLING, STORAGE, USE OR DISPOSAL OF THE PRODUCT. This SDS was prepared and is to be used only for this product. If the product is used as a component in another product, this SDS information may not be applicable.

HMIS Rating: No data available

NFPA Rating: Health: 3
Flammability: 0
Reactivity: 0

Special Hazard Warning: Not applicable

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