

SECTION 1 CHEMICAL PRODUCT AND COMPANY IDENTIFICATION 1

**Product Name:** Maintain Pool Pro Granular Flocc  
**Product ID:** 5400  
**Synonyms:** Dry Alum  
**Revised Date:** 05/01/2015  
**Type of Product and Use:** Coagulating agent in swimming pool water  
**Supplier:** ChemTrade Logistics Inc.  
 155 Gordon Baker Road, Suite 300  
 Toronto, Ontario M2H 3N5  
 416-496-5856  
**Emergency Telephone:** CHEMTREC 1-800-424-9300  
**Packaged By:** Baleco Int'l Inc.  
 PO Box 11331  
 Cincinnati, OH 45211  
 513-353-3000

SECTION 2 HAZARDS IDENTIFICATION 2

**Classification of the Substance or Mixture**

Classification (GHS-US)  
 Skin Irrit. 2 H315  
 Eye Irrit. 2B H320

**Label elements**

**Hazard pictograms (GHS-US)**



**Signal Word**

**Warning**

**Hazard statement**

H315 – Causes skin irritation  
 H320 – Causes eye irritation

**Precautionary Statements (GHS-US):**

P264 – Wash...thoroughly after handling  
 P280 – Wear protective gloves/protective clothing/eye protection/face protection  
 P302+P352 – IF ON SKIN: Wash with plenty of soap and water  
 P305+P351+P338 – If in eyes: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing  
 P321 – Specific treatment (see Section 4)  
 P332+P313 – If skin irritation occurs: Get medical advice/attention  
 P337+P313 – If eye irritation persists: Get medical advice/attention  
 P362 – Take off contaminated clothing and wash before reuse

**Other Hazards**

**Other hazards Not Contributing to the Classification:** Exposure may aggravate those with pre-existing eye, skin, or respiratory conditions.

**Unknown Acute Toxicity (GHS-US)** Not available

**Substances**

Name	Product identifier	% (w/w)	Classification (GHS-US)
Aluminum Sulfate	Cas No. 16828-12-9	100	Skin Irrit 2, H315 Eye Irrit. 2B, H320

## SECTION 4 FIRST AID MEASURES

**Description of First Aid Measures**

<b>General:</b>	Never give anything by mouth to an unconscious person. If you feel unwell, seek medical advice (show the label if possible).
<b>Inhalation:</b>	Remove to fresh air and keep at rest in a position comfortable for breathing. Obtain medical attention if breathing difficulty persists.
<b>Skin Contact:</b>	Rinse immediately with plenty of water. Obtain medical attention if irritation develops or persists.
<b>Eye Contact:</b>	Rinse cautiously with water for at least 15 minutes. Remove contact lenses, if present and easy to do. Continue rinsing. Obtain medical attention.
<b>Ingestion:</b>	Do NOT induce vomiting. Rinse mouth. Immediately call a POISON CENTER or doctor/physician.

**Most Important Symptoms and Effects Both Acute and Delayed**

<b>General:</b>	Causes serious eye irritation. Causes skin irritation.
<b>Inhalation:</b>	May cause respiratory irritation.
<b>Skin Contact:</b>	Causes skin irritation.
<b>Eye Contact:</b>	Causes serious eye irritation.
<b>Ingestion:</b>	Ingestion is likely to be harmful or have adverse effects.
<b>Chronic Symptoms:</b>	None expected under normal conditions of use.

**Indication of Any Immediate Medical Attention and Special Treatment Needed**

If you feel unwell, seek medical advice (show the label where possible).

## SECTION 5 FIRE-FIGHTING MEASURES

**Extinguishing Media**

<b>Suitable Extinguishing Media:</b>	Use extinguishing media appropriate for surrounding fire.
<b>Unsuitable Extinguishing Media:</b>	Do not use a heavy water stream. Use of heavy stream of water may spread fire.

**Special Hazards Arising From the Substance or Mixture**

<b>Fire Hazard:</b>	Not considered flammable but may burn at high temperatures.
<b>Explosion Hazard:</b>	Product is not explosive.
<b>Reactivity:</b>	Hazardous reactions will not occur under normal conditions.

**Advice for Firefighters**

<b>Precautionary Measures Fire:</b>	Not available.
<b>Firefighting Instructions:</b>	Use water spray or fog for cooling exposed containers. In case of major fire and large quantities: Evacuate area. Fight fire remotely due to the risk of explosion.
<b>Protection During Firefighting:</b>	Do not enter fire area without proper protective equipment, including respiratory protection.
<b>Hazardous Combustion Products:</b>	Forms aluminum oxide, sulfur dioxide and/or sulfur trioxide at temperatures above 760° C (1400°F) or when dry alum is encompassed in a fire involving other burning materials.
<b>Other information:</b>	Refer to Section 9 for flammable properties.

**Reference to Other Sections**

Refer to Section 9 for flammability properties.

**Personal Precautions, Protective Equipment and Emergency Procedures**

**General Measures:** Avoid all contact with skin, eyes or clothing. Avoid breathing (dust, mist, vapor, gas).

**For Non-Emergency Personnel**

**Protective Equipment:** Use appropriate personal protective equipment (PPE).

**Emergency Procedures:** Evacuate unnecessary personnel.

**For Emergency Personnel**

**Protective Equipment:** Equip cleanup crew with proper protection.

**Emergency Procedures:** Stop leak if safe to do so. Eliminate ignition sources. Ventilate area.

**Methods and Material for Containment and Cleaning Up**

**For Containment:** Contain and collect as any solid.

**Methods for Cleaning Up:** Avoid generation of dust during cleanup of spills. Vacuum cleanup is preferred. If sweeping is required, use a dust suppressant.

**Reference to Other Sections**

See Section 8. Exposure controls and personal protection.

**Precautions for Safe Handling**

**Hygiene Measures:** Handle in accordance with good industrial hygiene and safety procedures. Wash hands and other exposed areas with mild soap and water before eating, drinking, smoking and even when leaving work. Good housekeeping is needed during storage, transfer, handling and use of this material to avoid excessive dust accumulation. Protect from moisture.

**Conditions for Safe storage, Including Any Incompatibilities**

**Technical Measures:** Comply with applicable regulations.

**Storage Conditions:** Store in a cool, dry and well-ventilated place. Keep container closed when not in use. Keep/store away from direct sunlight, extremely high temperatures and incompatible materials.

**Incompatible Materials:** Strong bases.

**Control Parameters:** No Occupational Exposure Limits (OEL's) have been established for this product or its chemical components.

**Exposure Controls**

**Appropriate Engineering Controls:** Ensure adequate ventilation, especially in confined areas. Emergency eye wash fountains and safety showers should be available on the immediate vicinity of any potential exposure. Ensure all national and local regulations are observed.

**Personal Protective Equipment:** Protective goggle. Protective gloves. Protective clothing.

**Materials for Protective Clothing** Chemically resistant materials and fabrics.

**Hand Protection** Wear chemically resistant protective gloves.

**Eye Protection** Chemical goggles or safety glasses.

**Skin & Body Protection** Wear suitable protective clothing.

**Respiratory Protection** Use NIOSH approved dust mask if dust has the potential to become airborne.

**Environmental Exposure Controls** Do not allow the product to be released into the environment.

**Consumer Exposure Controls** Do not eat, drink or smoke during use.

**Information on Basic Physical and Chemical Properties**

**Physical state:** Solid

<b>Appearance:</b>	White to off-white powder or granules
<b>Odor:</b>	No data available.
<b>Odor threshold:</b>	No data available.
<b>pH:</b>	> 2.9 @ 5%
<b>Relative Evaporation rate:</b>	No data available.
<b>Melting point:</b>	86°C (186.8°F)
<b>Freezing Point:</b>	No data available.
<b>Boiling Point:</b>	117°C (242.6°F)
<b>Flash Point:</b>	No data available.
<b>Auto-ignition Temperature:</b>	No data available.
<b>Decomposition temperature:</b>	No data available.
<b>Flammability (solid, gas):</b>	No data available.
<b>Flammability limit - upper (%):</b>	No data available.
<b>Vapor pressure:</b>	No data available.
<b>Relative Vapor density at 20°C:</b>	No data available.
<b>Relative Density:</b>	No data available.
<b>Specific Gravity:</b>	No data available.
<b>Solubility:</b>	Water: Complete
<b>Partition coefficient (n-octanol/water):</b>	No data available.
<b>Viscosity:</b>	No data available.
<b>Explosion Data – Sensitivity to Mechanical Impact:</b>	Not expected to present an explosion hazard due to mechanical impact.
<b>Explosion Data – Sensitivity to Static Discharge:</b>	Not expected to present an explosion hazard due to static discharge.

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## SECTION 10 STABILITY AND REACTIVITY 10

<b>Reactivity:</b>	Hazardous reactions will not occur under normal conditons.
<b>Chemical stability:</b>	Stable under recommended handling and storage conditions (see Section 7).
<b>Possibility of hazardous reactions:</b>	Hazardous polymerization will not occur.
<b>Conditions to avoid:</b>	Direct sunlight. Extremely high temperatures. Ignition sources. Incompatible materials. Moisture.
<b>Incompatible materials:</b>	Strong bases.
<b>Hazardous decomposition products:</b>	Oxides of aluminum. The decomposition products are corrosive and hazardous to health.

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## SECTION 11 TOXICOLOGICAL INFORMATION 11

### Information on toxicological Effects -Product

<b>Acute Toxicity:</b>	Not Classified.
<b>LD50 and LC50 Data:</b>	Not available.
<b>Skin Corrosion/Irritation:</b>	Causes skin irritation.
<b>pH:</b>	>2.9@ 5%
<b>Respiratory or Skin Sensitization</b>	Not classified.
<b>Germ Cell Mutagenicity:</b>	Not classified
<b>Teratogenicity:</b>	Not classified
<b>Carcinogenicity:</b>	Not classified
<b>Specific Target Organ Toxicity (Repeated Exposure):</b>	Not classified
<b>Reproductive Hazard:</b>	Not classified
<b>Specific Target Organ Toxicity (Single Exposure):</b>	Not classified
<b>Aspiration Hazard:</b>	Not classified
<b>Symptoms/Injuries after Inhalation:</b>	May cause respiratory irritation
<b>Symptoms/Injuries after Skin Contact:</b>	Causes skin irritation
<b>Symptoms/Injuries after Eye Contact:</b>	Causes serious eye irritation

**Symptoms/Injuries after Ingestion:** Ingestion is likely to be harmful or have adverse effects  
**Chronic Symptoms:** None expected under normal conditions of use  
**Information on Toxicological Effects – Ingredient(s)**  
**LD50 and LC50 Data:** Not available

**SECTION 12** **ECOLOGICAL INFORMATION** **12**

**Toxicity** Not classified  
**Persistence and Degradability** Not available  
**Bioaccumulative Potential** Not available  
**Mobility in Soil** Not available  
**Other Adverse Effects**  
**Other Information:** Avoid release to the environment.

**SECTION 13** **DISPOSAL CONSIDERATIONS** **13**

**Waste Disposal Recommendations:** Dispose of waste in accordance with all local, regional, national and international regulations.  
**Ecology: Waste Materials:** Avoid release to the environment.

**SECTION 14** **TRANSPORT INFORMATION** **14**

**DOT:** Not regulated for transport.  
**IMDG:** Not regulated for transport.  
**IATA:** Not regulated for transport.  
**TDG:** Not regulated for transport.

**SECTION 15** **REGULATORY INFORMATION** **15**

**US Federal Regulations:** Neither this product nor its chemical components appear on any US federal lists.  
**US State Regulations**  
**Dry Alum (16828-12-9):** Neither this product nor its chemical components appear on any US State lists.  
**Canadian Regulations:**  
**Dry Alum (16828-12-9):**  
**Waste Classification** Class D subdivision B – Toxic material causing other toxic effects.



This product has been classified in accordance with the hazard criteria of the Controlled Products Regulations (CPR) and the SDS contains all of the information required by CPR.

**SECTION 16** **OTHER INFORMATION** **16**

**Revision Date:** 05/01/2015  
**Other Information:** This document has been prepared in accordance with the SDS requirements of the OSHA Hazard Communication Standard 29 CFR 1910.1200  
**NFPA Hazard** 2 – Intense or continued exposure could cause temporary incapacitation or possible residual injury unless prompt medical attention is given.  
**NFPA Fire Hazard:** 1 – Must be preheated before ignition can occur.

**NFPA Reactivity:**

0 – Normally stable, even under fire exposure conditions, and are not reactive with water.



**Disclaimer:** We recommend that you use this product in a manner consistent with the listed use. If your intended use is not consistent with the stated use in Section 1 of this SDS, please contact your sales or technical service representative.

Reason for Revision: Conversion to SDS format. Changes in all sections.

All Sections reformatted in accordance with OSHA Hazard Communication Standard 29 CFR 1910-1200(GHS). The information in this safety data sheet should be provided 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 make certain that this sheet is current.

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End of Safety Data Sheet