

MATERIAL SAFETY DATA SHEET

MSDS

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Date-Issued: 09/27/1997
MSDS Ref. No: SREG23740
Date-Revised: 09/27/1997
Revision No: New MSDS

Regal Floccing Agent

1. CHEMICAL PRODUCT AND COMPANY IDENTIFICATION

PRODUCT NAME: Regal Floccing Agent
GENERAL USE: Filter aid and flocculent
CHEMICAL FAMILY: Inorganic Salt

MANUFACTURER

Alliance Packaging, Inc.
109 Northpark Blvd., Suite 400
Covington, LA 70433-5001
Customer SERVICE: (800) 959-7946

24 HR. EMERGENCY TELEPHONE NUMBERS

CHEMTREC (Transportation) (800) 424-9300
Medical (800) 255-3924

2. COMPOSITION / INFORMATION ON INGREDIENTS

<u>Chemical Name</u>	<u>CAS#</u>	<u>Wt.%</u>
Aluminum Sulfate	10043-01-3	100

3. HAZARDS IDENTIFICATION

EMERGENCY OVERVIEW

PHYSICAL APPEARANCE:
White, granular material

IMMEDIATE CONCERNS:

WARNING: Causes eye and skin irritation. Harmful if swallowed. Irritating to nose and throat. Avoid breathing dust. Avoid contact with eyes, skin and clothing. Wear goggles or safety glasses and rubber gloves when using this product. Remove and wash contaminated clothing before reuse. Do not mix with other chemicals or add this product to any dispensing device as an explosion may occur. Do not add to skimmer if remnants of chlorine or other products are present or an explosion may occur. NOTE: This product upon contact with water (or moisture in eyes) forms a weak sulfuric acid solution.

POTENTIAL HEALTH EFFECTS

EYES:

WARNING: Causes eye irritation. Avoid contact with eyes.

SKIN:

WARNING: Causes skin irritation. Avoid contact with skin.

INGESTION:

Harmful if swallowed.

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INHALATION:

Irritating to nose and throat. Avoid breathing dust or vapors.

CHRONIC:

There are no known chronic hazards.

ROUTES OF ENTRY:

Skin Contact, Inhalation, Ingestion, Eye Contact.

4. FIRST AID MEASURES

EYES:

If contact with eyes occurs: Immediately flush with cold water for at least 15 minutes. Then get immediate medical attention.

SKIN:

If contact with skin: Brush off excess chemical and flush skin with cold water for at least 15 minutes. If irritation persists, get medical attention.

INGESTION:

If swallowed: Drink large quantities of water, then induce vomiting. Avoid alcohol. Never give anything by mouth to an unconscious person. Call a physician or poison control center immediately.

INHALATION:

If inhaled: Remove to fresh air. If breathing is difficult, have trained person administer oxygen. If not breathing, give artificial respiration. Call a physician immediately.

5. FIRE FIGHTING MEASURES

FLASHPOINT AND METHOD: Non-Flammable

GENERAL HAZARD:

There are no unusual fire and explosion hazards known.

EXTINGUISHING MEDIA:

Water

HAZARDOUS COMBUSTION PRODUCTS:

Sulfur oxide gases (toxic, oxidizers & corrosive). Sulfur trioxide is a fire hazard.

FIRE FIGHTING PROCEDURES:

Firefighters should wear full protective clothing and self contained breathing apparatus (SCBA). Thoroughly decontaminate fire fighting equipment including all fire fighting wearing apparel after the incident.

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6. ACCIDENTAL RELEASE MEASURES

GENERAL PROCEDURES:

STEPS TO BE TAKEN IN CASE MATERIAL IS RELEASED OR SPILLED: Utilizing appropriate protective clothing and safety equipment, contain spilled material. Using clean dedicated equipment, sweep and scoop all spilled material, contaminated soil, and other contaminated material and place in clean dry plastic containers for disposal. Dispose of according to local, state, and federal regulations.

7. HANDLING AND STORAGE

GENERAL PROCEDURES:

Avoid contact with eyes, skin or clothing. Avoid breathing dust.

HANDLING:

Mix only with water. Never add water to product. Always add product to large quantities of water. Do not mix with other chemicals. Use clean dry utensils. Do not add this product to any dispensing device containing remnants of any other product. Such use may cause a violent reaction leading to fire or explosion. Contamination with other chemicals may start a chemical reaction generating heat, hazardous gases, fire, and explosion. In case of contamination or decomposition, do not reseal container. If possible, isolate container in open air or well ventilated area. Flood area with large volumes of water, if necessary.

STORAGE:

Keep this product in original closed container when not in use. Store in a cool, dry, well ventilated area away from heat or open flame. Do not add any other product to container. Never return unused product to container; dispose of product in accordance with local, state, or federal regulations.

8. EXPOSURE CONTROLS / PERSONAL PROTECTION

EXPOSURE GUIDELINES:

OSHA HAZARDOUS COMPONENTS (29 CFR 1910.1200)

		EXPOSURE LIMITS					
		OSHA PEL		ACGIH TLV		SUPPLIER OEL	
		ppm	mg/m ³	ppm	mg/m ³	ppm	mg/m ³
Aluminum Sulfate	TWA	N/E		N/E ^[1]			
	STEL					2	

OSHA TABLE COMMENTS:

1. N/E = Not Established

ENGINEERING CONTROLS:

General room ventilation plus local exhaust should be used to maintain exposure below TLV.

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PERSONAL PROTECTIVE EQUIPMENT:

EYES AND FACE:

Wear goggles or safety glasses with side shields when handling this product.

SKIN:

Wear rubber gloves when handling this product. Avoid contact with skin.

RESPIRATORY:

A respiratory protection program that meets OSHA 1910.134 and ANSI Z88.2 requirements must be followed whenever workplace conditions warrant a respirator's use.

WORK HYGIENIC PRACTICES:

Remove and wash contaminated clothing before reuse.

OTHER USE PRECAUTIONS:

Facilities storing or utilizing this material should be equipped with an eyewash and safety shower.

9. PHYSICAL AND CHEMICAL PROPERTIES

PHYSICAL STATE: Solid

ODOR: Odorless

APPEARANCE: Granules

COLOR: White

pH: Not Available

VAPOR PRESSURE: Negligible

MELTING POINT: 105°C

SOLUBILITY IN WATER: 50g/100g water

SPECIFIC GRAVITY: 1.61

10. STABILITY AND REACTIVITY

CONDITIONS TO AVOID:

High temperature. Poor ventilation. Contamination. Moisture/high humidity.

STABILITY:

This product is stable under normal conditions.

POLYMERIZATION:

Hazardous polymerization will not occur under normal conditions.

HAZARDOUS DECOMPOSITION PRODUCTS:

Sulfur oxide gases (toxic, oxidizers & corrosive). Sulfur trioxide is a fire hazard.

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INCOMPATIBLE MATERIALS:

Alkalies and water reactive materials like oleum cause exothermic reactions. Other swimming pool/spa chemicals in their concentrated forms.

11. TOXICOLOGICAL INFORMATION

ACUTE

ORAL LD₅₀: 6027 mg/kg of body weight in mice

EYE EFFECTS:

This product is an eye irritant.

SKIN EFFECTS:

This product is a skin irritant.

CARCINOGENICITY:

This product is not listed as a carcinogen by IARC.

This product is not listed as a carcinogen by NTP.

This product is not listed as a carcinogen by OSHA.

12. ECOLOGICAL INFORMATION

ECOTOXICOLOGICAL INFORMATION:

This product may be toxic to fish and aquatic organisms. Keep product from entering waterways and watersheds.

13. DISPOSAL CONSIDERATIONS

PRODUCT DISPOSAL:

Small amounts may be dissolved in water, treated with soda ash to neutralize and sent to the sewer with large quantities of water, if permitted by applicable local, state, and federal regulations. Provide adequate ventilation when neutralizing due to release of carbon dioxide gas.

EMPTY CONTAINER:

Do not reuse container. Rinse thoroughly before discarding in trash.

RCRA/EPA WASTE INFORMATION:

Reportable Quantity (RQ)(CWA/CERCLA): 5,000 lbs.

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14. TRANSPORT INFORMATION

DOT (DEPARTMENT OF TRANSPORTATION)

PROPER SHIPPING NAME: Not Regulated.

OTHER SHIPPING INFORMATION: Bill of Lading Description - Compounds, Swimming Pool, Cleaning or Water Treating, Dry or Liquid (NMFC 50086)

15. REGULATORY INFORMATION

UNITED STATES

CERCLA (COMPREHENSIVE RESPONSE, COMPENSATION, AND LIABILITY ACT)

CERCLA REGULATORY: This product is listed as a CERCLA Hazardous Substance.

CERCLA RQ: Aluminum sulfate RQ is 5,000 lb.

TSCA (TOXIC SUBSTANCE CONTROL ACT)

TSCA REGULATORY: This product or its components are not subject to export notification.

TSCA STATUS: This product or its components are listed on the TSCA Inventory.

OSHA HAZARD COMM. RULE:

Product is hazardous by definition of the Hazardous Communication Standard.

CLEAN WATER ACT:

Aluminum sulfate is listed as a Clean Water Act Section 311 Hazardous Substance.

FIFRA (FEDERAL INSECTICIDE, FUNGICIDE, AND RODENTICIDE ACT):

This product is not a registered pesticide.

SDWA (SAFE DRINKING WATER ACT):

Not listed.

16. OTHER INFORMATION

REVISION SUMMARY

New MSDS

NFPA CODES

HEALTH: 1 FIRE: 0 REACTIVITY: 1

HMIS CODES

HEALTH: 1 FIRE: 0 REACTIVITY: 1 PROTECTION: B

MANUFACTURER DISCLAIMER:

IMPORTANT: This information is given without a warranty or guarantee. No suggestions for use are intended or shall be construed as a recommendation to infringe any existing patents or violate any Federal, State or local laws. Safe handling and use is the responsibility of the customer. Read the label before using this product. This information is true and accurate to the best of our knowledge.
