



ALDEN LEEDS

swimming pool & spa chemicals

MATERIAL SAFETY DATA SHEET

PRODUCT CODE # 2101-2102

PRODUCT NAME: FLOCK

ALDEN LEEDS, INC.

55 JACOBUS AVE.

S. KEARNY, NJ 07032 SHEET

(973) 589-3544

ALDEN LEEDS, INC.	PRODUCT CODE # 2101-2102	MATERIAL
55 JACOBUS AVE.	PRODUCT NAME: FLOCK	SAFETY DATA
SO. KEARNY, NJ 07032		SHEET
(973) 589-3544		2/7/12

*

SECTION I - IDENTIFICATION

CHEMICAL NAME & SYNONYMS: Aluminum Sulfate

CHEMICAL FAMILY: Inorganic Acid Salt

CHEMICAL FORMULA: $Al_2(SO_4)_3 \cdot 14H_2O$

TRADE NAME: Flock or Private Label

DESCRIPTION: white crystalline powder with no odor.

CAS NO: 10043-01-3 (anhydrous)

*

SECTION II - PHYSICAL DATA

Boiling Point: N/A

Vapor Pressure: N/A

% Volatile by Volume: N/A

Solubility in water:

50% @ 0°C

49% @ 20°C

Melting Point: N/A

Specific Gravity (H₂O=1): 1.61

Powder: 0.64

Rice: 1.09

Vapor Density: N/A

Evaporation Rate: N/A

*

SECTION III - HAZARDOUS INGREDIENTS

MATERIAL	CAS NO.	% BY WEIGHT	HAZARD DATA
Aluminum Sulfate	10043-01-3	99.6	None

*

SECTION IV - FIRE AND EXPLOSION HAZARD DATA

Flash Point: N/A

Autoignition Temp: N/A

Flammable Limits in Air % By Volume: N/A

Extinguishing Media: No fire hazard.

Special Fire Fighting Procedures: Dry alum is fire retardant.

Unusual Fire and Explosion Hazards: Wet alum will cause slippery footing.

*

SECTION V - HEALTH HAZARD DATA

Threshold Limit Value: none established. Closest category 100 mg/m³ (nuisance dust).

EFFECTS OF OVEREXPOSURE:

Inhalation: Dust or mist inhalation at 2 mg AL/cu. m. (ACGIH) -TLV, may irritate respiratory tract.

Skin: If dry, may cause irritation. If wet, there will be acidic irritation (especially under repeated or prolonged use).

Eye: If dry, dust may irritate or burn eyes. If wet, there will be acidic irritation.

Ingestion: May irritate gastrointestinal tract, LD₅₀ (mouse) = approximately 10.8 g/kg (slightly toxic).

May cause nausea, vomiting and purging. Human fatal dose recorded at 30 grams.

Other: If wet, there will be acidic irritation of open wounds and mucous membranes.

Aquatic Toxicity: 96-h LC₅₀ 100-500 ppm.

*

SECTION VI - EMERGENCY AND FIRST AID PROCEDURE

INHALATION: Promptly remove patient to fresh air.

SKIN: Flush with soap and water or at least 15 minutes. Remove contaminated clothing. If irritation develops, get medical attention.

EYE: Flush immediately with water holding eyelids apart, for 15 minutes. If irritation persists. Get medical attention

INGESTION: If conscious, drink large quantities of water or milk. Induce vomiting by touching finger to back of throat. Get immediate medical attention.

*

CHEMICAL NAME:

Aluminum Sulfate

TRADE NAME: Flock or Private Label

*

SECTION VII - REACTIVITY DATA**Stability:** Stable**Conditions to Avoid:** Temperature above 760°C yield toxic and corrosive gases. Wet alum will corrode steel.**Incompatibility (materials to avoid):** Steel or other ferrous materials. Alkalies and water reactive materials such as oleum cause exothermic reactions.**Hazardous Decomposition:** At temperatures cited above, sulfur oxide gases. These are toxic and are oxidizers and corrosive. The trioxide is also a fire hazard. The loss of these gases leaves a caustic residue.**Hazardous Polymerization:** Will not occur, no conditions to avoid.

*

SECTION VIII - SPILL, LEAKAGE & DISPOSAL PROCEDURES**Steps to take if material leaks or spills:** Dry material may be shoveled into containers for later use or disposal. Any residual or dissolved alum may be neutralized to pH7 with soda ash and flushed away with water.**Waste disposal method:** Must comply Local Environmental regulations concerning disposal. Dissolve in water. Neutralize with alkali, then flush to sewer if permitted by applicable disposal regulations.**EPA Hazardous Substances:** Yes**Reportable Quantity:** 8700#
(but not regulated if less than
8700 # in one package)

*

SECTION IX - SPECIAL PROTECTION DATA**Ventilation:**

Local Exhaust: If dusty or misty condition prevails. May exceed TLV with out visible indication.

Respiratory Protection: Dust mask or dust respirator.**Protective Gloves:** Wear rubber or plastic gloves.**Eye Protection:** Use safety glasses or goggles. DO NOT wear contact lens when handling this product.**Other Equipment:** Steel tipped rubber safety shoes, hard or soft brimmed hat. Wear clean clothing daily.

*

SECTION X - SPECIAL PRECAUTIONS DATA**Handling and Storage:** Store in dry area to avoid caking and bag deterioration due to humidity.**Labeling:** Bulk shipment tag signal word: WARNING!**Other:** Have eye wash and shower stations nearby.

*

SECTION XI - TRANSPORTATION INFORMATIONThis material is not a hazardous material and is not regulated by the D.O.T. For all transportation accidents, call **CHEMTREC** at 800-424-9300.

*

The information herein is given in good faith but no warranty, expressed or implied, is made.

*

ALDEN LEEDS, INC.
55 JACOBUS AVE. SO. KEARNY, NJ 07032
24 HOUR EMERGENCY PHONE: CHEMTREC 800-424-9300