MATERIAL

SAFETY DATA

PHOENIX PRODUCTS CO. PRODUCT NAME: FLOCK 55 CONTAINER DR TERRYVILLE, CT 06786

SHEET 2/25/02 (860) 589-7502

SECTION I - IDENTIFICATION

CHEMICAL NAME & SYNONYMS: Aluminum Sulfate

CHEMICAL FAMILY: Inorganic Acid Salt CHEMICAL FORMULA: AL₂ (SO₄)₃ - 14H₂O 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 Melting Point: N/A

Vapor Pressure: N/A Specific Gravity (H₂O=1): 1.61

% Volatile by Volume: N/A Powder: 0.64 Solubility in water: Rice: 1.09 50% @ 0°C Vapor Density: N/A

49% @ 20°C **Evaporation Rate:** N/A

SECTION III - HAZARDOUS INGREDIENTS

MATERIAL CAS NO. % BY WEIGHT
Aluminum Sulfate 10043-01-3 99.6 HAZARD DATA

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.

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CHEMICAL NAME:	TRADE NAME: Flock or Private Label
Aluminum Sulfate	***************
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SECTION VII - REACTIVITY DATA	
Stability: Stable	
Conditions to Avoid: Temperature above 760°C yield steel.	toxic and corrosive gases. Wet alum will corrode
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 ab oxidizers and corrosive. The trioxide is also a fire haza residue.	
Hazardous Polymerization: Will not occur, no condition	ons to avoid.
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SECTION VIII - SPILL, LEAKAGE	
Steps to take if material leaks or spills: Dry material disposal. Any residual or dissolved alum may be neutra water.	
Waste disposal method: Must comply Local Environn	nental regulations concerning disposal. Dissolve
in water. Neutralize with alkali, then flush to sewer if pe	
EPA Hazardous Substances: Yes	Reportable Quantity: 8700#
	(but not regulated if less than
***************************************	8700 # in one package)
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SECTION IX - SPECIAL PROTECTION DATA	
Ventilation:	
Local Exhaust: If dusty or misty condition prevails. Ma	y 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 N Other Equipment: Steel tipped rubber safety shoes, h daily.	
aany. ************************************	*****************
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SECTION X - SPECIAL P	RECAUTIONS DATA
Handling and Storage: Store in dry area to avoid caki	ng and bag deterioration due to humidity.
Labeling: Bulk shipment tag signal word: WARNING!	
Other: Have eye wash and shower stations nearby.	
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SECTION XI - TRANSPORTATION INFORMATION	
This material is not a hazardous material and is not regulated by the D.O.T.	
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The information herein is given in good faith but	

THE PHOENIX PRODUCTS COMPANY 55 CONTAINER DR TERRYVILLE, CT 06786