



Material Safety Data Sheet

Aluminum Sulfate Std Ground
Part Number: 05F011

Hukill Chemical Corporation
7013 Krick Road
Bedford, OH 44146-4493

Section I: Chemical Product & Company Identification

Manufacturer	Hukill Chemical Corporation 7013 Krick Road Bedford, OH 44146-4493	Emergency Telephone Number	(800) 962-1143	
		Chemtrec's Telephone Number	(800) 424-9300	
		Prepared By	Brian Peebles	
Telephone Number	(440) 232-9400	Date Prepared	November 27, 2001	
Fax Number	(440) 232-9477	HMIS	Health	2
Web Site	http://www.hukill.com		Flammability	0
Email	hukill@hukill.com		Reactivity	0
Synonyms				

Section II: Composition/Information On Ingredients

Hazardous Components	Reportable Under SARA Section 313	CAS Number	OSHA Limits (ppm)			ACGIH TLV (ppm)	%
			PEL	STEL	Ceiling		
Aluminum sulfate	No	10043-01-3	2 *			2 *	100
<i>* mg/m³ instead of ppm.</i>							

Section III: Hazardous Identification

Emergency Overview:							
Route(s) of Entry	Inhalation?	Yes	Skin?	No	Ingestion?	Yes	
Health Hazards (Acute and Chronic)							
Decomposes to produce potentially deadly sulfur dioxide. Could cause skin and respiratory irritation and eye abrasion.							
Signs and Symptoms of Exposure							
Respiratory tract irritation, eye irritation, skin dryness and irritation.							
Carcinogenicity	NTP	No	IARC Monographs	No	OSHA Regulated?	No	
Comments	None.						

Section IV: First Aid

Eye Contact	
Skin Contact	
Inhalation	
Ingestion	



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Section V: Fire Fighting Measures

Flash Point (method used)	Flammable Limits	LEL	UEL
None		N/A	N/A
Extinguishing Media	Noncombustible. Use media appropriate for surrounding fire.		
Special Fire Fighting Procedures			
Wear self-contained breathing apparatus pressure-demand, MSHA/NIOSH (approved or equivalent) and full protective gear, as always suggested when fighting a fire involving chemicals.			
Unusual Fire and Explosion Hazards			
Heating will produce toxic and corrosive sulfur oxides.			

Section VI: Accidental Release Measures

Steps to Be Taken in Case Material is Released or Spilled
Sweep up solid material and avoid spreading airborne dust. Dissolve residue in water, neutralize with mild alkali like soda ash, and consult the proper authorities about permissibility of discharge into sewers.
Waste Disposal Method
Disposal must be in accordance with federal, state and local regulations.

Section VII: Handling And Storage

Precautions to Be Taken in Handling and Storing
Store in a cool, dry, well-ventilated place.
Other Precautions
Always avoid generating airborne dust when handling.

Section VIII: Exposure Controls, Personal Protection

Respiratory Protection (Specify)	Dust mask is usually sufficient protection. Supplied air or SCBA if circumstances require.		
Ventilation	Local Exhaust	Sufficient to keep ambient concentrations below PEL.	
	Mechanical (General)	General ventilation.	
	Special	None	Other None
Protective Glove	Chemical resistant.		
Eye Protection	Safety glasses with side shields or goggles.		
Other Protective Clothing or Equipment			
Covering skin that might be exposed is always suggested when handling industrial chemicals.			
Work/Hygienic Practices			
Wash hands carefully after handling and before eating, smoking, or using the toilet.			



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Section IX: Physical And Chemical Properties

Boiling Point	N/A	Specific Gravity (H₂O = 1)	1.61
Vapor Pressure (mm Hg)	N/A	Melting Point	N/A
Vapor Density (Air = 1)	N/A	Evaporation Rate (Butyl Acetate = 1)	N/A
Solubility In Water	50% at 0C		
Appearance and Odor	State		Solid
White odorless granules			

Section X: Stability And Reactivity

Stability	Conditions to Avoid	High temperatures.
Stable		
Incompatibility (Material to Avoid)	Alkali, water-reactive materials.	
Hazardous Decomposition of Byproducts	Sulfur oxides	
Hazardous Polymerization	Conditions to Avoid	None.
Will not occur		

DOT Shipping Name: Environmentally Hazardous Substances, Solids, N.O.S. (Aluminum Sulfate)

Hazard Class: 9

UN Number: UN3077

PGIII

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