



Material Safety Data Sheet

Sodium Nitrate
Part Number: 05E051

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 29, 2001	
Fax Number	(440) 232-9477	HMIS	Health	1
Web Site	http://www.hukill.com		Flammability	0
Email	hukill@hukill.com		Reactivity	1
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		
Sodium Nitrate	No	7631-99-4	N/A	N/A	N/A	N/A	100
<i>* mg/m³ instead of ppm.</i>							

Section III: Hazardous Identification

Emergency Overview:							
Route(s) of Entry	Inhalation?	No	Skin?	No	Ingestion?	Yes	
Health Hazards (Acute and Chronic)							
Can irritate skin and eyes, and mist or dust containing product could irritate the respiratory tract. Toxic by ingestion.							
Signs and Symptoms of Exposure							
Skin or eye irritation, respiratory irritation from mist exposure, digestive irritation from ingestion.							
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 appropriate media for a surrounding fire.		
Special Fire Fighting Procedures			
Wear self-contained breathing apparatus pressure-demand, MSHA/NIOSH (approved or equivalent) and full protective gear.			
Unusual Fire and Explosion Hazards			
Oxidizer. Keep away from reducing agents, organics, and cyanides. Could react explosively with these materials.			

Section VI: Accidental Release Measures

Steps to Be Taken in Case Material is Released or Spilled
Shovel solid material and flush the area with water. Consult the proper authorities before flushing clean-up materials down sewers.
Waste Disposal Method
Disposal must be in accordance with federal, state and local regulations. Material can usually be taken to a sanitary landfill. Paper containers that have come in contact with this material should be disposed of.

Section VII: Handling And Storage

Precautions to Be Taken in Handling and Storing
Do not store near combustible materials or reducing agents.
Other Precautions
Wash hands after handling and before eating, smoking, or using the toilet.

Section VIII: Exposure Controls, Personal Protection

Respiratory Protection (Specify)	If dust or solution mist are present, use the proper chemical cartridge or supplied-air respirator, as circumstances require.			
Ventilation	Local Exhaust	Sufficient to remove dust or mist.		
	Mechanical (General)	General ventilation		
	Special	None	Other	None
Protective Gloves	Chemical resistant.			
Eye Protection	Safety glasses with side shields or goggles.			
Other Protective Clothing or Equipment				
Covering skin to prevent exposure is suggested, as with the handling of all industrial chemicals.				
Work/Hygienic Practices				
Wash hands 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)	N/A
Vapor Pressure (mm Hg)	N/A	Melting Point	306C
Vapor Density (Air = 1)	N/A	Evaporation Rate (Butyl Acetate = 1)	N/A
Solubility In Water	42% to 64%		
Appearance and Odor	State		Solid
Odorless white crystals or prills			

Section X: Stability And Reactivity

Stability	Conditions to Avoid	None.
Stable		
Incompatibility (Material to Avoid)	Reducing agents, organics, and cyanides.	
Hazardous Decomposition of Byproducts	Decomposes to toxic gases at high temperatures	
Hazardous Polymerization	Conditions to Avoid	None.
Will not occur		

DOT Shipping Name: Sodium Nitrate

Hazard Class: 5.1

UN Number: UN1498

PGIII

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