



Material Safety Data Sheet

Sodium Bichromate
Part Number: 05F241

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 16, 2001	
Fax Number	(440) 232-9477	HMIS	Health	3
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 bichromate	No	10588-01-9	0.1 *	N/A	N/A	0.05 *	100
<i>* mg/m³ instead of ppm.</i>							

Section III: Hazardous Identification

Emergency Overview:							
Route(s) of Entry	Inhalation?	Yes	Skin?	Yes	Ingestion?	Yes	
Health Hazards (Acute and Chronic)							
Eye, skin, respiratory, and digestive irritation. Burns and sores from chromium exposure. Kidney and liver damage, lung cancer.							
Signs and Symptoms of Exposure							
Eye, skin, respiratory, and digestive irritation, depending on the route of entry. Sores develop if open wounds are exposed. Ingestion causes kidney and liver damage, resulting in death. Prolonged inhalation causes erosion of the nasal passages.							
Carcinogenicity	NTP	Yes	IARC Monographs	Yes	OSHA Regulated?	No	
Comments	Evidence suggests that this product causes lung cancer.						

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 to fight 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. Could react exothermically with organics to cause fire, or release oxygen to accelerate combustion.			

Section VI: Accidental Release Measures

Steps to Be Taken in Case Material is Released or Spilled
Stop leak or spill at the source if safety permits. Remove material by sweeping or vacuuming. Apply a reducing agent to the area to treat the remaining residue. Absorb liquid with floor absorbant. Avoid release into sewers and waterways.
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 tightly closed container away from heat and combustibles.
Other Precautions
Handle this material as an oxidizer.

Section VIII: Exposure Controls, Personal Protection

Respiratory Protection (Specify)	Dust mask is usually sufficient to protect against airborne dust. Use supplied air or SCBA if other circumstances require.		
Ventilation	Local Exhaust	Sufficient to maintain ambient dust concentration below 0.1 mg per cubic meter	
	Mechanical (General)	General or local as required.	
	Special	None	Other
Protective Gloves	Chemical resistant.		
Eye Protection	Safety glasses with side shields or goggles.		
Other Protective Clothing or Equipment			
Covering as much skin as possible to protect against exposure is always suggested when handling 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 (H ₂ O = 1)	2.35
Vapor Pressure (mm Hg)	N/A	Melting Point	357C
Vapor Density (Air = 1)	N/A	Evaporation Rate (Butyl Acetate = 1)	N/A
Solubility In Water	74wt%		
Appearance and Odor	State		Solid
odorless orange crystals			

Section X: Stability And Reactivity

Stability Stable	Conditions to Avoid	None.
Incompatibility (Material to Avoid)	Organics, oils, greases, and oxidizable materials. Strong oxidizer in acid solution.	
Hazardous Decomposition of Byproducts	None	
Hazardous Polymerization Will not occur	Conditions to Avoid	None.

DOT Shipping Name: Poisonous Solid, N.O.S. (Sodium Bichromate)

Hazard Class: 6.1

UN Number: UN2811

PGIII

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