



Material Safety Data Sheet

Chromic Acid Solution 34%

Part Number: 16B072

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	bcj	
Telephone Number	(440) 232-9400	Date Prepared	August 21, 2002	
Fax Number	(440) 232-9477	HMIS	Health	3
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		
Chromic Acid	Yes	7738-94-5	N/A	N/A	0.1 *	0.05*	34
* mg/m ³ instead of ppm.							

Section III: Hazardous Identification

Emergency Overview:							
Danger! Strong Oxidizer. Contact with other material may cause fire. Causes eye & skin burns. Causes severe respiratory irritation. May be fatal if swallowed, inhaled or absorbed through the skin.							
Route(s) of Entry	Inhalation?	Yes	Skin?	Yes	Ingestion?	Yes	
Health Hazards (Acute and Chronic)							
Eye contact causes burns or severe irritation with corneal damage. Skin contact causes burns or severe irritation with permanent damage. May cause allergic dermatitis. Dermal absorption of large amounts may result in kidney failure and death. Breathing causes severe mucous membrane and respiratory irritation with possible lung damage (pulmonary edema). Swallowing causes severe mucous membrane and gastrointestinal burns with shock, collapse and death.							
Signs and Symptoms of Exposure							
Prolonged or repeated contact may cause conjunctivitis, "chrome sores" on skin, or ulceration and perforation of the nasal septum.							
Carcinogenicity	NTP	Yes	IARC Monographs	Yes	OSHA Regulated?	Yes	
Comments	None.						

Section IV: First Aid

Eye Contact	Flush immediately with large amounts of water for at least 15 minutes. Eyelids should be held away from the eyeball to ensure thorough rinsing. Speed in washing off corrosive material is of primary importance. Get immediate medical attention.
Skin Contact	Immediately flush the skin with plenty of water while removing contaminated clothing and shoes. Get immediate medical attention. Speed in washing off corrosive material is of primary importance.
Inhalation	Remove exposed person from source of exposure to fresh air. If not breathing, ensure clear airway and institute cardiopulmonary resuscitation. If breathing is difficult, administer oxygen if available. Keep affected person warm and at rest. Get immediate medical attention.
Ingestion	Immediately call a local physician, a local emergency room or a poison control center. Do not give anything by mouth if victim is semi-conscious or unconscious. If victim is conscious, give 1-3 glasses of water or milk.



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Section V: Fire Fighting Measures

Flash Point (method used)	Flammable Limits	LEL	UEL
None		N/A	N/A
Extinguishing Media	WATER ONLY, no dry chemical, carbon dioxide or halon. Larger fires, flood fire area with water fr		
Special Fire Fighting Procedures			
Exposed firefighters must wear NIOSH approved positive pressure self-contained breathing apparatus with full face mask and full protective clothing.			
Unusual Fire and Explosion Hazards			
Oxidizers decompose, especially when heated, to yield oxygen or other gases which will increase the burning rate of other combustible matter. Contact with easily oxidizable, organic or other combustible materials may result in ignition, violent combustion or explosion.			

Section VI: Accidental Release Measures

Steps to Be Taken in Case Material is Released or Spilled
Do not touch damaged containers or spilled material unless wearing appropriate protective clothing. Contain spill in order to prevent contamination of waterways; neutralize with lime or soda ash. Flush with water in accordance with applicable regulations to waste treatment system. Avoid runoff into storm sewers and ditches which lead to waterways. If water pollution occurs, notify the appropriate authorities.
Waste Disposal Method
Hexavalent chrome can NOT be discharged directly into waterways. Disposal MUST comply with Federal, State, and Local laws.

Section VII: Handling And Storage

Precautions to Be Taken in Handling and Storing
Do not get in eyes, on skin or on clothing. Do not breathe vapors or mists. Keep container closed. Use only with adequate ventilation. Use good personal hygiene practices. Wash hands before eating, drinking, smoking or using toilet facilities. Remove contaminated clothing and clean before re-use. Shower after work using soap and water. Destroy contaminated leather items such as belts and shoes and other items than cannot be decontaminated. Never handle when working alone.
Other Precautions
Workers around chromium chemicals should avoid leather shoes and gloves which can become impregnated with the material.



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Section VIII: Exposure Controls, Personal Protection

Respiratory Protection (Specify)	NIOSH/MSHA approved dust and mist respirator appropriate for exposure of concern. Use air-supplied respirator where necessary.		
Ventilation	Local Exhaust	Use for special handling.	
	Mechanical (General)	Use for areas of heavy handling as required.	
	Special	None	Other None
Protective Gloves	Rubber gloves		
Eye Protection	Safety glasses (or goggles) with face shield.		
Other Protective Clothing or Equipment			
Where splashing is possible, fully chemically resistant protective clothing (e.g., acid suit) and boots are required. Always handle near an eyewash station and emergency shower.			
Work/Hygienic Practices			
Do NOT wear contact lenses. If clothing is contaminated, get clean clothing immediately. Contaminated clothing should NOT be laundered at home.			

Section IX: Physical And Chemical Properties

Boiling Point	N/A	Specific Gravity (H₂O = 1)	1.33
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	Complete.		
Appearance and Odor		State	Liquid
Odorless, dark red liquid.			

Section X: Stability And Reactivity

Stability	Conditions to Avoid	Avoid contact with organic materials.
Stable		
Incompatibility (Material to Avoid)	Avoid reducing agents and organic materials.	
Hazardous Decomposition of Byproducts	None	
Hazardous Polymerization	Conditions to Avoid	None.
Will not occur		

DOT Shipping Name: Chromic Acid Solution

Hazard Class: 8

UN Number: UN1755

PGII

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