



Material Safety Data Sheet

Hydrogen Peroxide, 20-40%

Part Number: 05C091

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 22, 2002	
Fax Number	(440) 232-9477	HMIS	Health	2
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		
Hydrogen peroxide	No	7722-84-1	1	--	--	1	20-40
<i>* mg/m³ instead of ppm.</i>							

Section III: Hazardous Identification

Emergency Overview:							
Danger! Strong Oxidizer. Contact with other material may cause fire. Causes eye & skin burns. Causes respiratory irritation. May be harmful if swallowed.							
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. 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. May be harmful if swallowed.							
Signs and Symptoms of Exposure							
See Health Hazards.							
Carcinogenicity	NTP	No	IARC Monographs	No	OSHA Regulated?	No	
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	Use extinguishing agent suitable for type of surrounding fire. Material itself burns with difficulty.		
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. Avoid runoff into storm sewers and ditches which lead to waterways. Use water spray to disperse gas/vapor. Remove all sources of ignition. Absorb spill using an absorbent, non-combustible material such as earth or sand. Do not use combustible materials such as saw dust. Do not get water inside containers. Keep combustibles (wood, oil, paper, etc.) away from spilled material.
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
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. Never handle when working alone. Keep from contact with clothing and other combustible materials. Store away from flammables, combustibles and other incompatible materials.
Other Precautions
Produces oxygen that may pressurize a closed storage area or container.



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Section VIII: Exposure Controls, Personal Protection

Respiratory Protection (Specify)		SCBA is required if ambient concentrations exceed 10ppm.			
Ventilation	Local Exhaust	Sufficient to keep ambient concentrations below 1ppm			
	Mechanical (General)	General ventilation as stated above.			
	Special	None	Other	None	
Protective Gloves		Chemical resistant.			
Eye Protection		Safety glasses with side shields or goggles.			
Other Protective Clothing or Equipment					
Cover skin that might be exposed to material.					
Work/Hygienic Practices					
Wash hands after handling and before eating, smoking, or using the toilet.					

Section IX: Physical And Chemical Properties

Boiling Point		218-226F	Specific Gravity (H2O = 1)	1.07-1.13
Vapor Pressure (mm Hg)		23-28	Melting Point	-27 to +6 F
Vapor Density (Air = 1)		N/A	Evaporation Rate (Butyl Acetate = 1)	>1
Solubility In Water	complete			
Appearance and Odor			State	Liquid
Clear and colorless				

Section X: Stability And Reactivity

Stability		Conditions to Avoid	Heat and contaminants could cause decomposition
Stable			
Incompatibility (Material to Avoid)		Organics, wood and paper products, reducing agents, iron, heavy metals, copper, strong bases.	
Hazardous Decomposition of Byproducts		Oxygen which will accelerate combustion	
Hazardous Polymerization		Conditions to Avoid	None.
Will not occur			

DOT Shipping Name: Hydrogen Peroxide, Aqueous Solutions, 20-40%

Hazard Class: 5.1

UN Number: UN2014

PGII

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