



Material Safety Data Sheet

Caustic Soda Solutions, 0-50%
Part Number: 01C021

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	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 hydroxide	No	1310-73-2	2 *	N/A	2 *	2 *	0-50
<i>* mg/m³ instead of ppm.</i>							

Section III: Hazardous Identification

Emergency Overview:							
Danger! Cause Eye & Skin Burns Causes severe respiratory irritation. 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.							
Signs and Symptoms of Exposure							
Irritation and burning. 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 m
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
N/A		N/A	N/A
Extinguishing Media	Use extinguishing agent suitable for type of surrounding fire. Material itself burns with difficulty.		
Special Fire Fighting Procedures			
Use NIOSH/MSHA approved SCBA and Full Protective Equipment.			
Unusual Fire and Explosion Hazards			
Reactions with reactive metals like aluminum and magnesium will release explosive hydrogen gas.			

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 a dilute acid. 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
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. Destroy contaminated leather items such as belts and shoes and other items than cannot be decontaminated. Never handle when working alone.
Other Precautions
None.

Section VIII: Exposure Controls, Personal Protection

Respiratory Protection (Specify)	Full face respirator if mist is suspended in the air. Supplied-air or SCBA if circumstances require.			
Ventilation	Local Exhaust	Use as needed to maintain exposure below exposure limits.		
	Mechanical (General)	Use as needed to maintain exposure below exposure limits.		
	Special	None	Other	None
Protective Gloves	Chemical resistant.			
Eye Protection	Chemical splash goggles and face shield.			
Other Protective Clothing or Equipment				
Gloves, face shield, or acid resistant clothing may be needed for certain activities. Neoprene and nitrile rubber are recommended.				
Work/Hygienic Practices				
Always 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)	1-1.525
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
Colorless to slightly grey solution. Odorless.			

Section X: Stability And Reactivity

Stability	Conditions to Avoid	None.
Stable		
Incompatibility (Material to Avoid)	May react violently with water, acids, some organic compounds, aluminum, tin, zinc, bronze and brass.	
Hazardous Decomposition of Byproducts	Reaction with food sugars may form carbon monoxide. Reaction with metals may form flammable hydrogen gas.	
Hazardous Polymerization	Conditions to Avoid	None.
Will not occur		

DOT Shipping Name: Sodium Hydroxide Solution

Hazard Class: 8

UN Number: UN1824

PGII

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