



# Material Safety Data Sheet

Acetic Acid, 80-100% by mass

Part Number: 01A011

Hukill Chemical Corporation

7013 Krick Road

Bedford, OH 44146-4493

## Section I: Chemical Product & Company Identification

<b>Manufacturer</b>	Hukill Chemical Corporation 7013 Krick Road Bedford, OH 44146-4493	<b>Emergency Telephone Number</b>	(800) 962-1143	
		<b>Chemtrec's Telephone Number</b>	(800) 424-9300	
		<b>Prepared By</b>	bcj	
<b>Telephone Number</b>	(440) 232-9400	<b>Date Prepared</b>	September 6, 2002	
<b>Fax Number</b>	(440) 232-9477	<b>HMIS</b>	<b>Health</b>	3
<b>Web Site</b>	http://www.hukill.com		<b>Flammability</b>	2
<b>Email</b>	hukill@hukill.com		<b>Reactivity</b>	0
<b>Synonyms</b>				

## Section II: Composition/Information On Ingredients

Hazardous Components	Reportable Under SARA Section 313	CAS Number	OSHA Limits (ppm)			ACGIH TLV (ppm)	%
			PEL	STEL	Ceiling		
Acetic acid	No	64-19-7	10	N/A	N/A	10	>80
<i>* mg/m<sup>3</sup> instead of ppm.</i>							

## Section III: Hazardous Identification

<b>Emergency Overview:</b>							
Danger! Flammable Liquid and Vapor. Causes eye & skin burns. Causes severe respiratory irritation. Harmful if swallowed.							
<b>Route(s) of Entry</b>	<b>Inhalation?</b>	Yes	<b>Skin?</b>	Yes	<b>Ingestion?</b>	Yes	
<b>Health Hazards (Acute and Chronic)</b>							
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.							
<b>Signs and Symptoms of Exposure</b>							
See Health Hazards.							
<b>Carcinogenicity</b>	<b>NTP</b>	No	<b>IARC Monographs</b>	No	<b>OSHA Regulated?</b>	No	
<b>Comments</b>	None.						

## Section IV: First Aid

<b>Eye Contact</b>	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.
<b>Skin Contact</b>	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.
<b>Inhalation</b>	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.
<b>Ingestion</b>	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

<b>Flash Point (method used)</b>	<b>Flammable Limits</b>	<b>LEL</b>	<b>UEL</b>
109F, closed cup		4	16
<b>Extinguishing Media</b>	Use dry chemical, alcohol foam, all purpose AFFF, or carbon dioxide to extinguish fire.		
<b>Special Fire Fighting Procedures</b>			
Exposed firefighters must wear NIOSH approved positive pressure self-contained breathing apparatus with full face mask and full protective clothing.			
<b>Unusual Fire and Explosion Hazards</b>			
Dangerous when exposed to heat or flame. Vapor or gas may spread to distant ignition sources and flash back. Vapors or gas may accumulate in low areas. Runoff to sewer may cause fire or explosion hazard. Containers may explode in heat or fire. Vapors may concentrate in confined area.			

## Section VI: Accidental Release Measures

<b>Steps to Be Taken in Case Material is Released or Spilled</b>
Shut off ignition sources, no flares, smoking or flames in hazard area. Stop leak if you can do it without risk. Use water spray to reduce vapors but it may not prevent ignition in closed spaces. Small spills: Take up with sand or other non combustible absorbent material and place in containers for later disposal. Large Spills: Dike far ahead of liquid spill for later disposal.
<b>Waste Disposal Method</b>
Neutralize with soda ash or other mild alkali and follow federal, state, and local regulations for disposal.

## Section VII: Handling And Storage

<b>Precautions to Be Taken in Handling and Storing</b>
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. Destroy contaminated leather items such as belts and shoes and other items than cannot be decontaminated. Never handle when working alone. Keep away from heat, sparks, and flame. Keep operating temperatures below ignition temperatures at all times. Use non-sparking tools. Store in tightly closed containers in cool, dry, isolated, well-ventilated area away from heat, sources of ignition and incompatibles. Ground lines and equipment used during transfer to reduce the possibility of static spark-initiated fire or explosion. Store at ambient or lower temperature. Protect from physical damage.
<b>Other Precautions</b>
Make sure eye wash stations and emergency showers are available. See government regulations for safe handling (OSHA).



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## Section VIII: Exposure Controls, Personal Protection

<b>Respiratory Protection (Specify)</b>	Full-face chemical cartridge respirator to protect against organic vapors, full-face supplied air respirator, or SCBA, with pressure demand mode in emergency situations.		
<b>Ventilation</b>	<b>Local Exhaust</b>	Exhaust with 12-30 changes per hour. Maintain PEL.	
	<b>Mechanical (General)</b>	Explosion-proof	
	<b>Special</b>	None	<b>Other</b> None
<b>Protective Gloves</b>	Chemical resistant.		
<b>Eye Protection</b>	Safety glasses (or goggles) with face shield.		
<b>Other Protective Clothing or Equipment</b>			
Where splashing is possible, fully chemically resistant protective clothing (e.g., acid suit) and boots are required.			
<b>Work/Hygienic Practices</b>			
Provide eye-wash stations and safety showers. Wash after shifts and before eating, smoking, or using the toilet. Remove contaminated clothing quickly and wash or discard.			

## Section IX: Physical And Chemical Properties

<b>Boiling Point</b>	244 F	<b>Specific Gravity (H2O = 1)</b>	1.05-1.07
<b>Vapor Pressure (mm Hg)</b>	N/A	<b>Melting Point</b>	N/A
<b>Vapor Density (Air = 1)</b>	2.1	<b>Evaporation Rate (Butyl Acetate = 1)</b>	N/A
<b>Solubility In Water</b>	100%		
<b>Appearance and Odor</b>	<b>State</b>		Liquid
Colorless, vinegar odor			

## Section X: Stability And Reactivity

<b>Stability</b>	<b>Conditions to Avoid</b>	None.
Stable		
<b>Incompatibility (Material to Avoid)</b>	Alkali, reducing agents, and sodium or calcium hypochlorites	
<b>Hazardous Decomposition of Byproducts</b>	Carbon dioxide and monoxide when burned, organic acid vapors, toxic fumes at high temperature	
<b>Hazardous Polymerization</b>	<b>Conditions to Avoid</b>	None.
Will not occur		

**DOT Shipping Name:** Acetic Acid, >80% acid by mass

**Hazard Class:** 8

**UN Number:** UN2789

PGII

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