



# Material Safety Data Sheet

Lime, Hydrated  
Part Number: 05F171

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>	Brian Peebles	
<b>Telephone Number</b>	(440) 232-9400	<b>Date Prepared</b>	November 15, 2001	
<b>Fax Number</b>	(440) 232-9477	<b>HMIS</b>	<b>Health</b>	1
<b>Web Site</b>	http://www.hukill.com		<b>Flammability</b>	0
<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		
Calcium hydroxide	No	1305-62-0	15 *	N/A	N/A	5 *	66.7
Magnesium Hydroxide	No	1309-42-8	N/A	N/A	N/A	N/A	31.8

\* mg/m<sup>3</sup> instead of ppm.

## Section III: Hazardous Identification

<b>Emergency Overview:</b>							
<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>							
Corrosive or irritant to many human tissues. Could cause irreversible eye or respiratory damage.							
<b>Signs and Symptoms of Exposure</b>							
Eye, skin, and respiratory irritation, digestive irritation and burning.							
<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>	
<b>Skin Contact</b>	
<b>Inhalation</b>	
<b>Ingestion</b>	



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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>
None		N/A	N/A
<b>Extinguishing Media</b>	Noncombustible. Use media appropriate to extinguish surrounding fire.		
<b>Special Fire Fighting Procedures</b>			
Wear self-contained breathing apparatus pressure-demand, MSHA/NIOSH (approved or equivalent) and full protective gear, as always recommended in fighting a chemical fire.			
<b>Unusual Fire and Explosion Hazards</b>			
None			

## Section VI: Accidental Release Measures

<b>Steps to Be Taken in Case Material is Released or Spilled</b>
Scoop and sweep material into metal containers for re-use if not contaminated. Avoid spreading airborne dust. Rinse away residue with water. Material can be flushed into sewers.
<b>Waste Disposal Method</b>
See local regulations. Material can be used to neutralize waste acids.

## Section VII: Handling And Storage

<b>Precautions to Be Taken in Handling and Storing</b>
Store in a dry place away from acids.
<b>Other Precautions</b>
Avoid spreading airborne dust when handling.

## Section VIII: Exposure Controls, Personal Protection

<b>Respiratory Protection (Specify)</b>	Dust mask is usually sufficient to protect against nuisance dust. Use chemical cartridge, supplied air, or SCBA if other circumstances require.		
<b>Ventilation</b>	<b>Local Exhaust</b>	Sufficient to keep airborne dust below PEL.	
	<b>Mechanical (General)</b>	General or local	
	<b>Special</b>	None	<b>Other</b>
<b>Protective Gloves</b>	Chemical resistant.		
<b>Eye Protection</b>	Safety glasses with side shields or goggles.		
<b>Other Protective Clothing or Equipment</b>			
General skin cover to protect against exposure is always recommended when handling industrial chemicals.			
<b>Work/Hygienic Practices</b>			
Wash hands after handling chemicals and before eating, smoking, or using the toilet.			



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## Section IX: Physical And Chemical Properties

<b>Boiling Point</b>	2850C	<b>Specific Gravity (H2O = 1)</b>	2.2-2.6
<b>Vapor Pressure (mm Hg)</b>	N/A	<b>Melting Point</b>	N/A
<b>Vapor Density (Air = 1)</b>	N/A	<b>Evaporation Rate (Butyl Acetate = 1)</b>	N/A
<b>Solubility In Water</b>	0.1g/100g		
<b>Appearance and Odor</b>	<b>State</b>		Solid
Odorless white powder			

## Section X: Stability And Reactivity

<b>Stability</b>	<b>Conditions to Avoid</b>	None.
Stable		
<b>Incompatibility (Material to Avoid)</b>	Boric oxide, acids, fluorine, organic materials	
<b>Hazardous Decomposition of Byproducts</b>	None	
<b>Hazardous Polymerization</b>	<b>Conditions to Avoid</b>	None.
Will not occur		

**DOT Shipping Name:** Kemidol Hydrate Lime

**Hazard Class:** 0

**UN Number:**

*The information contained herein has been approved by Hukill Chemical Corporation and is offered only as a guide to the handling of this specific material and has been prepared in good faith by technically knowledgeable personnel. It is not intended to be all-inclusive and the manner and conditions of use and handling may involve other and additional considerations. No warranty of any kind is given or implied and Hukill Chemical Corporation will not be liable for any damages, losses, injuries or consequential damages that may result from the use or reliance of any information contained herein.*