



# Material Safety Data Sheet

Aluminum Oxide (Polyfill 31)

Part Number: 05F511

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 26, 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		
a-Alumina	No	1344-28-1	10 *	N/A	N/A	N/A	100
<i>* mg/m<sup>3</sup> instead of ppm.</i>							

## Section III: Hazardous Identification

<b>Emergency Overview:</b>							
<b>Route(s) of Entry</b>	<b>Inhalation?</b>	Yes	<b>Skin?</b>	No	<b>Ingestion?</b>	Yes	
<b>Health Hazards (Acute and Chronic)</b>							
Nuisance dust irritates the eyes and respiratory tract.							
<b>Signs and Symptoms of Exposure</b>							
Coughing, tearing of the eyes, difficulty breathing, gastric discomfort if ingested.							
<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 fight 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 suggested for 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>
Shovel and sweep material into clean containers for re-use if foreign material is not introduced. Avoid spreading and inhalation of dust. Flush away residue with water.
<b>Waste Disposal Method</b>
Disposal must be in accordance with federal, state and local regulations. Landfill disposal may be possible.

## Section VII: Handling And Storage

<b>Precautions to Be Taken in Handling and Storing</b>
Keep in a cool, dry place.
<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 dust. Use chemical cartridge, supplied-air, or SCBA if other circumstances require.		
<b>Ventilation</b>	<b>Local Exhaust</b>	Sufficient to keep nuisance dust concentration below the PEL.	
	<b>Mechanical (General)</b>	General or local ventilation	
	<b>Special</b>	None	<b>Other</b> None
<b>Protective Glove</b>	Chemical resistant.		
<b>Eye Protection</b>	Safety glasses with side shields or goggles.		
<b>Other Protective Clothing or Equipment</b>			
Covering skin 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>	5396F	<b>Specific Gravity (H2O = 1)</b>	4
<b>Vapor Pressure (mm Hg)</b>	N/A	<b>Melting Point</b>	3632F
<b>Vapor Density (Air = 1)</b>	N/A	<b>Evaporation Rate (Butyl Acetate = 1)</b>	N/A
<b>Solubility In Water</b>	insoluble		
<b>Appearance and Odor</b>		<b>State</b>	Solid
White odorless powder			

## Section X: Stability And Reactivity

<b>Stability</b>	<b>Conditions to Avoid</b>	None.
Stable		
<b>Incompatibility (Material to Avoid)</b>	Chlorine trifluoride, ethylene oxide	
<b>Hazardous Decomposition of Byproducts</b>	None	
<b>Hazardous Polymerization</b>	<b>Conditions to Avoid</b>	None.
Will not occur		

**DOT Shipping Name:** Aluminum Oxide (Polyfill 31)

**Hazard Class:** 0

**UN Number:**

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