



# Material Safety Data Sheet

Boric Acid, Granular  
Part Number: 05F731

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>	March 4, 2002	
<b>Fax Number</b>	(440) 232-9477	<b>HMIS</b>	<b>Health</b>	0
<b>Web Site</b>	http://www.hukill.com		<b>Flammability</b>	0
<b>Email</b>	hukill@hukill.com		<b>Reactivity</b>	1
<b>Synonyms</b>				

## Section II: Composition/Information On Ingredients

Hazardous Components	Reportable Under SARA Section 313	CAS Number	OSHA Limits (ppm)			ACGIH	%
			PEL	STEL	Ceiling	TLV (ppm)	
Boric Acid	No		15*	15*	15*	15*	98-100
<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>	Yes	<b>Ingestion?</b>	Yes	
<b>Health Hazards (Acute and Chronic)</b>							
Respiratory tract irritant, nuisance dust. Could irritate skin by drying. Could irritate the digestive tract if ingested.							
<b>Signs and Symptoms of Exposure</b>							
Eye, nose, and throat irritation from nuisance dust exposure. Digestive irritation from ingestion.							
<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 for surrounding fire.		
<b>Special Fire Fighting Procedures</b>			
Wear self-contained breathing apparatus, pressure-demand, MSHA/NIOSH (approved or equivalent) and full chemical-resistant skin cover for any chemical fire.			
<b>Unusual Fire and Explosion Hazards</b>			
None. This product is a flame retardant.			

## Section VI: Accidental Release Measures

<b>Steps to Be Taken in Case Material is Released or Spilled</b>
Sweep up solid material and avoid spreading airborne dust. Dilute residue with water. Avoid runoff into sewers and waterways.
<b>Waste Disposal Method</b>
Disposal must be in accordance with federal, state and local regulations.

## Section VII: Handling And Storage

<b>Precautions to Be Taken in Handling and Storing</b>
Store in a cool, dry place.
<b>Other Precautions</b>
Avoid contact. Do not spread airborne dust.

## Section VIII: Exposure Controls, Personal Protection

<b>Respiratory Protection (Specify)</b>	Dust mask is usually sufficient to protect against dust. Use supplied air or SCBA if other circumstances require.		
<b>Ventilation</b>	<b>Local Exhaust</b>	Sufficient to keep ambient concentrations below PEL.	
	<b>Mechanical (General)</b>	General or local, as required.	
	<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>			
Covering skin that might be exposed is always suggested when handling industrial chemicals.			
<b>Work/Hygienic Practices</b>			
Wash hands carefully after handling and before eating, smoking, or using the toilet.			



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## Section IX: Physical And Chemical Properties

<b>Boiling Point</b>	N/A	<b>Specific Gravity (H2O = 1)</b>	1.51
<b>Vapor Pressure (mm Hg)</b>	N/A	<b>Melting Point</b>	170.9 C
<b>Vapor Density (Air = 1)</b>	N/A	<b>Evaporation Rate (Butyl Acetate = 1)</b>	N/A
<b>Solubility In Water</b>	4.7% @ 20C		
<b>Appearance and Odor</b>	<b>State</b>		Solid
clear or white crystals			

## Section X: Stability And Reactivity

<b>Stability</b>	<b>Conditions to Avoid</b>	None.
Stable		
<b>Incompatibility (Material to Avoid)</b>	Alkali metals and strong reducing agents.	
<b>Hazardous Decomposition of Byproducts</b>	Could release flammable hydrogen gas in reactions with alkali metals and reducing agents.	
<b>Hazardous Polymerization</b>	<b>Conditions to Avoid</b>	None.
Will not occur		

**DOT Shipping Name:** Boric Acid Granular

**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.*