



Material Safety Data Sheet

Sodium Bicarbonate USP #1

Part Number: 05F231

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	Brian Peebles	
Telephone Number	(440) 232-9400	Date Prepared	November 29, 2001	
Fax Number	(440) 232-9477	HMIS	Health	1
Web Site	http://www.hukill.com		Flammability	0
Email	hukill@hukill.com		Reactivity	0
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 Bicarbonate	No	144-55-8	N/A	N/A	N/A	N/A	100
<i>* mg/m³ instead of ppm.</i>							

Section III: Hazardous Identification

Emergency Overview:							
Route(s) of Entry	Inhalation?	Yes	Skin?	No	Ingestion?	Yes	
Health Hazards (Acute and Chronic)							
Mild irritation could result if product or dust comes in contact with eyes, skin, or respiratory system. Could irritate the digestive system in large quantities. Powder could cause eye abrasion.							
Signs and Symptoms of Exposure							
Eye abrasion, mild irritation of skin and mucous membranes,							
Carcinogenicity	NTP	No	IARC Monographs	No	OSHA Regulated?	No	
Comments	None.						

Section IV: First Aid

Eye Contact	
Skin Contact	
Inhalation	
Ingestion	



Material Safety Data Sheet

Sodium Bicarbonate USP #1

Part Number: 05F231

Hukill Chemical Corporation

7013 Krick Road

Bedford, OH 44146-4493

Section V: Fire Fighting Measures

Flash Point (method used)	Flammable Limits	LEL	UEL
None		N/A	N/A
Extinguishing Media	Noncombustible. Use media appropriate to fight surrounding fire.		
Special Fire Fighting Procedures			
Wear self-contained breathing apparatus pressure-demand, MSHA/NIOSH (approved or equivalent) and full protective gear, as suggested in fighting any chemical fire.			
Unusual Fire and Explosion Hazards			
Decomposes to release carbon dioxide, which could suffocate in high concentrations.			

Section VI: Accidental Release Measures

Steps to Be Taken in Case Material is Released or Spilled
Shovel spill into a dry sealable container for re-use. Flush residue with water into a sewer.
Waste Disposal Method
Material can be re-used or sent to landfill facilities.

Section VII: Handling And Storage

Precautions to Be Taken in Handling and Storing
Store in a cool, dry place away from acids.
Other Precautions
Mixing with acids or decomposition in fire releases carbon dioxide, which can cause suffocation. Atmospheric testing should be done accordingly before entry.

Section VIII: Exposure Controls, Personal Protection

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



Material Safety Data Sheet

Sodium Bicarbonate USP #1

Part Number: 05F231

Hukill Chemical Corporation

7013 Krick Road

Bedford, OH 44146-4493

Section IX: Physical And Chemical Properties

Boiling Point	N/A	Specific Gravity (H2O = 1)	2.2
Vapor Pressure (mm Hg)	N/A	Melting Point	Decomposes
Vapor Density (Air = 1)	N/A	Evaporation Rate (Butyl Acetate = 1)	N/A
Solubility In Water	9.0 g/mL		
Appearance and Odor	State		Solid
Odorless white powder			

Section X: Stability And Reactivity

Stability	Conditions to Avoid	None.
Stable		
Incompatibility (Material to Avoid)	Strong acids	
Hazardous Decomposition of Byproducts	Carbon dioxide	
Hazardous Polymerization	Conditions to Avoid	None.
Will not occur		

DOT Shipping Name: Sodium Bicarbonate USP #1

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.