



# Material Safety Data Sheet

Sodium Hydrosulfite  
Part Number: 05E041

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>	July 3, 2002	
<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>	3
<b>Email</b>	hukill@hukill.com		<b>Reactivity</b>	3
<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		
Sodium Hydrosulfite	No	7775-14-6	N/A	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>							
Decomposes to produce potentially deadly sulfur dioxide. Could cause severe allergies in asthmatics and people sensitive to sulfite compounds.							
<b>Signs and Symptoms of Exposure</b>							
Respiratory tract irritation and possible asphyxia, symptoms of allergy including hives, difficulty breathing, and constricted airway. Anaphalactic shock in severe cases. Eye or skin irritation from exposure to dust and solutions. Severe diarrhea if large amounts are 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>	



# Material Safety Data Sheet

Sodium Hydrosulfite  
Part Number: 05E041

Hukill Chemical Corporation  
7013 Krick Road  
Bedford, OH 44146-4493

## Section V: Fire Fighting Measures

<b>Flash Point (method used)</b>	<b>Flammable Limits</b>	<b>LEL</b>	<b>UEL</b>
No information found		N/A	N/A
<b>Extinguishing Media</b>	Use dry sand or earth to smother fire, or use carbon dioxide or dry chemical.		
<b>Special Fire Fighting Procedures</b>			
Wear self-contained breathing apparatus, pressure-demand, MSHA/NIOSH (approved or equivalent) and full chemical-resistant skin cover.			
<b>Unusual Fire and Explosion Hazards</b>			
Decomposition to poisonous sulfur dioxide gas will occur at 52C. Protect from sprinkler systems: reacts exothermically with water. Heat release may be enough to ignite combustible materials. Although not considered an explosion hazard, this material is ignited not only in the presence of flame, but also by the presence of humid air.			

## 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. Vent the area for sulfur dioxide fumes and carefully spray water over remaining dust and residue.	
<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, well-ventilated place. Material will release sulfur dioxide fumes at room temperature.	
<b>Other Precautions</b>	
Do not use this product in confined spaces.	

## Section VIII: Exposure Controls, Personal Protection

<b>Respiratory Protection (Specify)</b>	Dust mask or chemical cartridge for sulfur dioxide, as needed. Supplied-air or SCBA if circumstances require.		
<b>Ventilation</b>	<b>Local Exhaust</b>	Sufficient to keep ambient concentrations below PEL.	
	<b>Mechanical (General)</b>	General ventilation.	
	<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.			



# Material Safety Data Sheet

Sodium Hydrosulfite  
Part Number: 05E041

Hukill Chemical Corporation  
7013 Krick Road  
Bedford, OH 44146-4493

## Section IX: Physical And Chemical Properties

<b>Boiling Point</b>	N/A	<b>Specific Gravity (H<sub>2</sub>O = 1)</b>	1.4
<b>Vapor Pressure (mm Hg)</b>	N/A	<b>Melting Point</b>	decomposes
<b>Vapor Density (Air = 1)</b>	3.6	<b>Evaporation Rate (Butyl Acetate = 1)</b>	N/A
<b>Solubility In Water</b>	complete		
<b>Appearance and Odor</b>	<b>State</b>		Solid
White granules, slight sulfur dioxide odor			

## Section X: Stability And Reactivity

<b>Stability</b>	<b>Conditions to Avoid</b>	Do not heat. Decomposes at 50C.
Stable		
<b>Incompatibility (Material to Avoid)</b>	Oxidizers, water and ice, acids and bases.	
<b>Hazardous Decomposition of Byproducts</b>	Sulfur Dioxide	
<b>Hazardous Polymerization</b>	<b>Conditions to Avoid</b>	None.
Will not occur		

**DOT Shipping Name:** Sodium Hydrosulfite

**Hazard Class:** 4.2

**UN Number:** UN1384

PGII

*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.*