

# MATERIAL SAFETY DATA SHEET

LaMOTTE COMPANY  
PO BOX 329 - CHESTERTOWN - MARYLAND - 21620  
TELEPHONE # FOR INFORMATION 410-778-3100

24 Hour Emergency Number (CHEM-TEL) 800-255-3924

## 1. PRODUCT IDENTIFICATION

**Sulfite Reagent A**

Code Nr. **7327**

## 2. HAZARDOUS INGREDIENTS

NAME	CAS #	TSCA #	%	PEL	TLV
Hydrochloric Acid	7647-01-0		9.3	C 7 mg/cubic m	C 5 ppm

## 3. NON-HAZARDOUS INGREDIENTS EXCEPT WATER (7732-18-5)

NAME	CAS #	%
Water to 100%		

## 4. PHYSICAL DATA

Appearance: Clear Colorless Liquid			
Solubility in Water: Soluble	Odor: Slight	Boiling Point: Unknown	Melt. Point: N/A
Vapor Pressure: Unknown	Vapor Density: Unknown	pH: <1	

## 5. FIRE AND EXPLOSION DATA

Flash Point (method used): N/A	Flammable Limit: LEL: N/A	UEL: N/A
Extinguishing Media: Not a fire hazard		
HMIS Hazard: Health - 2    Flammability - 0    Reactivity - 1    Scale: 4 = Extreme, 3 = High, 2 = Moderate, 1 = Slight, 0 = Least		
Special Fire Fighting Procedures: N/A		
Unusual Fire & Explosion Hazard: Contact with metals may produce flammable hydrogen gas.		

## 6. REACTIVITY DATA

Stability: <input checked="" type="checkbox"/> Stable <input type="checkbox"/> Unstable	Conditions to avoid: N/A
Incompatibility (Materials to avoid): Alkalies, metals	
Hazardous Decomposition Products: Hydrogen chloride gas	

## 7. HEALTH HAZARD DATA

Toxicity: orl rat LD50: 900 mg/kg for hydrochloric acid, concentrated			
Primary Route of Entry:	<input checked="" type="checkbox"/> Inhalation <input checked="" type="checkbox"/> Skin <input type="checkbox"/> N/A	Carcinogenicity:	<input checked="" type="checkbox"/> None <input type="checkbox"/> NTP <input type="checkbox"/> OSHA <input type="checkbox"/> IARC
Other Health Related Comments:			
Target Organs: Corrosive to all body parts.			
Signs and symptoms of exposure: Corrosive. May irritate eyes, skin and lungs. Harmful if swallowed.			
Medical Condition Aggravated by Exposure: N/A			

## 8. EMERGENCY FIRST AID PROCEDURES

Eye Contact: Flush thoroughly with water for 15 minutes. Consult physician.
Ingestion: Rinse out mouth. Drink plenty of water. Consult physician.
Inhalation: Remove to fresh air.
Skin Contact: Flush with water. Remove affected clothing and wash skin with soap and water.

## 9. SPILL AND DISPOSAL PROCEDURES

Spill and Leak: Cover spill with sodium bicarbonate. Scoop up slurry and wash down drain with excess water.
Disposal: Add slowly to solution of soda ash and slaked lime. Pour this neutralized solution down drain with excess water. Dispose according to federal, state and local regulations.

## 10. PRECAUTIONARY MEASURES

In Handling: <input checked="" type="checkbox"/> Gloves <input checked="" type="checkbox"/> Eye Protection <input type="checkbox"/> N/A <input checked="" type="checkbox"/> Other: Lab Coat
Ventilation: <input checked="" type="checkbox"/> Normal <input type="checkbox"/> Mechanical <input type="checkbox"/> Respiratory Protection
Work/Hygiene Practices: Avoid contact with skin and clothing. Avoid inhalation of vapor.

## 11. SPECIAL PRECAUTIONS

N/A
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DATE: 5/1/03

The above information is believed to be correct but does not claim to be all inclusive and should be used only as a guide.

• This is a toxic chemical subject to reporting requirements of section 313 of EPCRA and 40CFR372.

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## 1. PRODUCT IDENTIFICATION

**Sulfite Reagent B**

Code Nr. **7328**

## 2. HAZARDOUS INGREDIENTS

NAME	CAS #	TSCA #	%	PEL	TLV
Salicylic Acid	69-72-7		0.1	N/E	N/E

## 3. NON-HAZARDOUS INGREDIENTS EXCEPT WATER (7732-18-5)

NAME	CAS #	%
Soluble Starch	9005-84-9	0.5
Water		>99

## 4. PHYSICAL DATA

**Appearance:** Colorless liquid  
**Solubility in Water:** Soluble  
**Odor:** None  
**Boiling Point:** ca.100 deg C  
**Melt. Point:** Unknown  
**Vapor Pressure:** <17 @ 20 deg C  
**Vapor Density:** <1 (Air=1)  
**pH:** 3

## 5. FIRE AND EXPLOSION DATA

**Flash Point (method used):** N/A  
**Flammable Limit: LEL:** N/A  
**UEL:** N/A  
**Extinguishing Media:** Not a fire hazard  
**HMIS Hazard: Health - 1 Flammability - 0 Reactivity - 0**  
*Scale: 4 = Extreme, 3 = High, 2 = Moderate, 1 = Slight, 0 = Least*  
**Special Fire Fighting Procedures:**  
 N/A  
**Unusual Fire & Explosion Hazard:**  
 N/A

## 6. REACTIVITY DATA

**Stability:** Conditions to avoid: Heat, light  
 **Stable**  
**Incompatibility (Materials to avoid):**  
 N/A  
 **Unstable**  
**Hazardous Decomposition Products:** N/A

## 7. HEALTH HAZARD DATA

**Toxicity:** oral rat LD50: 891 mg/kg for salicylic acid solid  
**Primary Route of Entry:**  Inhalation  Skin  Ingestion  N/A  
**Carcinogenicity:**  None  NTP  OSHA  IARC  
**Other Health Related Comments:**  
 Salicylic acid investigated as a possible mutagen.  
**Target Organs:** N/A  
**Signs and symptoms of exposure:**  
 May be harmful if swallowed.  
**Medical Condition Aggravated by Exposure:** N/A

## 8. EMERGENCY FIRST AID PROCEDURES

**Eye Contact:** Flush thoroughly with water.  
**Ingestion:** Drink water or milk. Consult physician.  
**Inhalation:**  
 N/A  
**Skin Contact:**  
 Flush with water. Wash with soap and water.

## 9. SPILL AND DISPOSAL PROCEDURES

**Spill and Leak:**  
 Mop up. Flush down drain.  
**Disposal:**  
 Flush down drain with water. Dispose according to federal, state and local regulations.

## 10. PRECAUTIONARY MEASURES

**In Handling:**  Gloves  Eye Protection  N/A  Other:  
**Ventilation:**  Normal  Mechanical  Respiratory Protection  
**Work/Hygienic Practices:** N/A

## 11. SPECIAL PRECAUTIONS

Store at room temperature  
**DATE:** 4/20/02  
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## 1. PRODUCT IDENTIFICATION

Sulfite Reagent C

Code Nr. **7329**

## 2. HAZARDOUS INGREDIENTS

NAME	CAS #	TSCA #	%	PEL	TLV
N/A					

## 3. NON-HAZARDOUS INGREDIENTS EXCEPT WATER (7732-18-5)

NAME	CAS #	%
Potassium Iodide	7681-11-0	<1
Potassium Iodate	7758-05-6	<0.1
Sodium Bicarbonate	144-55-8	<0.1
Water		>99%

## 4. PHYSICAL DATA

Appearance: Clear Colorless Liquid					
Solubility in Water: Soluble		Odor: None		Boiling Point: ca.100 deg C	
Vapor Pressure: <17 @ 20 deg C		Vapor Density: <1 (Air=1)		Melt. Point: N/A	
		pH: 8			

## 5. FIRE AND EXPLOSION DATA

Flash Point (method used) N/A		Flammable Limit: LEL: N/A		UEL: N/A	
Extinguishing Media: Not a fire hazard					
HMS Hazard: Health - 0		Flammability - 0		Reactivity - 0	
Scale: 4 = Extreme, 3 = High, 2 = Moderate, 1 = Slight, 0 = Least					
Special Fire Fighting Procedures: N/A					
Unusual Fire & Explosion Hazard: N/A					

## 6. REACTIVITY DATA

Stability:	Conditions to avoid: N/A				
<input checked="" type="checkbox"/> Stable	Incompatibility (Materials to avoid): N/A				
<input type="checkbox"/> Unstable	Hazardous Decomposition Products: N/A				

## 7. HEALTH HAZARD DATA

Toxicity: non-toxic					
Primary Route of Entry:		Carcinogenicity:			
<input type="checkbox"/> Inhalation		<input type="checkbox"/> Skin		<input checked="" type="checkbox"/> None	
<input checked="" type="checkbox"/> Ingestion		<input type="checkbox"/> N/A		<input type="checkbox"/> NTP	
				<input type="checkbox"/> OSHA	
				<input type="checkbox"/> IARC	
Other Health Related Comments:					
Target Organs: N/A					
Signs and symptoms of exposure: N/A					
Medical Condition Aggravated by Exposure: N/A					

## 8. EMERGENCY FIRST AID PROCEDURES

Eye Contact: Flush with water.
Ingestion: Drink 1 - 2 glasses of water.
Inhalation: N/A
Skin Contact: Flush with water.

## 9. SPILL AND DISPOSAL PROCEDURES

Spill and Leak: Mop up and flush down drain with water.
Disposal: Flush down drain with water. Dispose according to federal, state and local regulations.

## 10. PRECAUTIONARY MEASURES

In Handling:	<input type="checkbox"/> Gloves	<input checked="" type="checkbox"/> Eye Protection	<input type="checkbox"/> N/A	<input type="checkbox"/> Other:
Ventilation	<input checked="" type="checkbox"/> Normal	<input type="checkbox"/> Mechanical	<input type="checkbox"/> Respiratory Protection	
Work/Hygienic Practices: N/A				

## 11. SPECIAL PRECAUTIONS

N/A	The above information is believed to be correct but does not claim to be all inclusive and should be used only as a guide.
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DATE: 4/20/02

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