



PO Box 329 • 802 Washington Avenue • Chestertown, MD 21620 • USA

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24 Hour Emergency Number (CHEM-TEL) : USA, Canada, Puerto Rico 800-255-3924;

Outside North American continent: 813-248-0585 (call collect)

MSDS

Material Safety Data Sheet

1. Product Identification

Product Code:

6311

Product Description:

Manganese Periodate Reagent

Manufactured By:

LaMotte Company

802 Washington Avenue

Chestertown, MD 21620

2. Composition/Information on Ingredients

Hazardous	Name	CAS #	%	OSHA PEL	ACGIH TLV
Yes	Sodium metaperiodate	7790-28-5	10-50	N/E	N/E
Yes	Sodium Sulfate	7757-82-6	50-90	N/E	N/E

3. Hazards Overview

Primary Route of Entry: Ingestion Inhalation Skin

Warning! Oxidizer. Contact with other material may cause fire. Harmful if swallowed or inhaled. May irritate eyes, skin, respiratory system. Ingestion causes nausea, vomiting.

HMIS Hazard: (Scale: 4 = Extreme, 3 = High, 2 = Moderate, 1 = Slight, 0 = Least)

Health: 1 Flammability: 0 Reactivity: 1

Carcinogenicity: None

Other Health Related Comments:

Sodium metaperiodate affects central nervous system, liver and kidneys.

4. First Aid Measures

Eye Contact: Flush with water for 15 minutes. Consult physician.

Skin Contact: Flush thoroughly with water. Wash with soap and water.

Ingestion: Drink plenty of water. Induce vomiting. Consult a physician.

Inhalation: Remove to fresh air.

5. Fire Fighting Measures

Flash Point: N/A **LEL:** N/A **UEL:** N/A

Fire Rating

Extinguishing Media: Not a fire hazard

Special Fire Fighting Procedures: Firefighters wear self-contained breathing apparatus

Hazardous Combustion and/or Decomposition Products: N/A

Unusual Fire & Explosion Hazard: Not combustible but enhances the combustion of other materials.

Contact with combustibles (wood, paper, oil, etc.) may cause fire or explosion. Emits toxic fumes under fire conditions.

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6. Accidental Release Measures

Keep combustibles away from spill. Avoid breathing dust. Carefully sweep up spilled material and place in clean, dry, covered container. Wash spill area with water.

7. Handling & Storage

Keep tightly closed, stored in cool, dry, ventilated area isolated from sources of heat or ignition. Avoid storage on wooden floors. Separate from incompatibles, combustibles, organics or other readily oxidizable materials.

8. Exposure Controls/Personal Protection

Ventilation

Use with adequate ventilation.

Protection When Handling

Gloves Eye Protection Lab Coat

Work/Hygienic Practices: Avoid contact with eyes, skin and clothing. Wash after handling.

9. Physical & Chemical Properties

Appearance:	White Crystalline powder	Boiling Point:	N/A
		Melting Point:	300 deg F
		pH:	4 (0.1g/10mL water)
Odor:	Slight	Vapor Density:	N/A
Solubility in Water:	Soluble	Vapor Pressure:	N/A

10. Stability & Reactivity

Stable:	Yes
Conditions to Avoid:	Heat, moisture
Materials to Avoid:	Organics, combustibles, strong bases

Hazardous Decomposition Products: N/A

11. Toxicological Information

For sodium sulfate: No LD50/LC50 information found relating to normal routes of occupational exposure. Investigated as a tumorigen, mutagen, reproductive effector.

For sodium metaperiodate: No LD50/LC50 information found for normal routes of occupational exposure.

Target Organs: N/A

12. Ecological Information

Information not Available

13. Disposal Considerations

Small quantity: Pour into an excess of water and neutralize with soda ash. Flush to drain with excess water. Large quantity: Containerize dry material and dispose of as hazardous waste, according to federal, state and local regulations.

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14. Transport Information**Proper Shipping Name: OXIDIZING SOLID, N.O.S. (SODIUM META-PERIODATE)****Hazard Class/Div: 5.1****UN1479****Packing Group: II**

15. Regulatory Information**Chemical Inventory Status**

Ingredient	USA	Europe	---Canada---		Australia	Japan
	TSCA	EC	DSL	NDSL		
Sodium metaperiodate	Yes	Yes	Yes	No	Yes	Yes
Sodium Sulfate	Yes	Yes	Yes	No	Yes	Yes

Federal, State, & International Regulations

Ingredient	---SARA 302---		----- SARA 313 -----			RCRA	TSCA
	RQ	TPQ	Listed	Chemical Category	CERCLA	261.33	8(D)
Sodium metaperiodate	No	No	No	No	No	No	No
Sodium Sulfate	No	No	No	No	No	No	No

Ingredient	----- SARA 311/312 -----			----- Australia -----		This MSDS is WHMIS Compliant
	Hazard Categories			Hazchem Code	Poison Schedule	
Sodium metaperiodate	Acute: Yes Pressure: No	Chronic: Yes Reactivity: Yes (Pure/solid)	Fire: No	1WE	None Allocated	
Sodium Sulfate	Acute: No Pressure: No	Chronic: No Reactivity: No (Pure/solid)	Fire: No	None Allocated	None Allocated	
For product #6311 powder, as a whole	Acute: Yes Pressure: No	Chronic: Yes Reactivity: Yes (Mixture/solid)	Fire: No	1WE	None Allocated	Yes

16. Other Information**Prepared By: IP****Revised: 6/29/05**