



# MSDS

P.O. Box 329 - 802 Washington Avenue Chestertown, MD 21620 - USA

## MATERIAL SAFETY DATA SHEET

TELEPHONE # FOR INFORMATION 410 778-3100

24 HOUR EMERGENCY NUMBER (CHEM-TEL): USA, Canada, Puerto Rico 800-255-3924;

Outside North American Continent 813-248-0585 (call Collect)

### 1. Product Identification

**Product Code:** 6485

**Product Description:** Molybdenum Oxidizing Reagent

**Manufactured By:** LaMotte Company

802 Washington Avenue

Chestertown, MD 21620

### 2. Composition/Information On Ingredients

Hazard	CAS#/Name	%	PEL	TLV
Yes	7727-21-1 Potassium Persulfate	4	0.1 mg/cubic m	0.1 mg/cubic m
No	7732-18-5 Water	to 100%	None Established	None Established

### 3. Hazards Overview

**Primary Route Of Entry:** Skin Ingestion

May be irritating to skin. May be harmful if swallowed.

#### 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:**

See Section 11, Toxicity

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#### **4. First Aid Measures**

**Eye Contact:** Flush with water for 15 minutes.

**Skin Contact:** Flush with water. Wash skin with soap and water.

**Ingestion:** Drink water. Consult physician.

**Inhalation:** N/A

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#### **5. Fire Fighting Measures**

**Flash Point (Method Used):** N/A

**LEL:** N/A

**UEL:** N/A

**Extinguishing Media:** Not a fire hazard

**Special Fire Fighting Procedures:** Use water to keep fire-exposed containers cool.

**Unusual Fire & Explosion Hazard:** Potassium persulfate is a strong oxidizer. Closed containers may explode when heated. Spills of #6485 on combustibles (paper, cloth) may cause ignition.

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#### **6. Accidental Release Measures**

Absorb spill with inert material and containerize. Hold for disposal in accordance to federal, state, and local regulations. If permitted, flush to drain with excess water. Wash spill area with water.

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#### **7. Handling & Storage**

Store tightly closed in cool, dry, place away from incompatible materials (strong reducing agents).

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## **8. Exposure Controls/Personal Protection**

### **Ventilation**

Normal

### **Protection When Handling**

Eye Protection Gloves Lab Coat

**Work/Hygenic Practices:** Avoid contact with skin. Wash after handling.

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## **9. Physical & Chemical Properties**

**Appearance:** Clear Colorless Liquid

**Solubility In Water:** Soluble

**Odor:** None

**pH:** 5

**Vapor Density:** <1 (Air=1)

**Vapor Pressure:** <17 mm Hg @ 20° C

**Boiling Point:** >100° C

**Melting Point:** N/A

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## **10. Stability & Reactivity**

**Stable:** Yes

**Conditions To Avoid:** Heat

**Incompatibility (Materials To Avoid):** Strong reducing agents

**Hazardous Decomposition Products:** SO<sub>x</sub>

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## **11. Toxicological Information**

Oral rat LD50: 802 mg/kg for potassium persulfate.

**Target Organs:** Skin

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## 12. Ecological Information

Information Not Yet Available.

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## 13. Disposal Considerations

Dispose of in accordance to federal, state and local regulations. If permitted, flush to drain with excess water.

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## 14. Transportation Information

### **Proper Shipping Name:**

**DOT:** OXIDIZING LIQUID, N.O.S.  
(POTASSIUM PERSULFATE)

**IATA:** OXIDIZING LIQUID, N.O.S.  
(POTASSIUM PERSULFATE)

### **Hazard Class/Div:**

**DOT:** 5.1

**IATA:** 5.1

**UN:** 3139

**Packing Group:** III

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## 15. Regulatory Information

### Chemical Inventory Status

Hazard	Ingredient	USA	Europe	--- Canada ---		Australia	Japan
		TSCA	EC	DSL	NDSL		
Yes	7727-21-1 Potassium Persulfate	Yes	Yes	Yes	No	Yes	Yes
No	7732-18-5 Distilled Water	Yes	Yes	Yes	No	Yes	Yes

### Federal, State, & International Regulations

Ingredient	--- SARA 302 ---		----- SARA 313 -----		CERCLA	RCRA 261.33	TSCA 8(D)
	RQ	TPQ	Listed	Chemical Category			
7727-21-1 Potassium Persulfate	No	No	No	No	No	No	No
7732-18-5 Distilled Water	No	No	No	No	No	No	No

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--- SARA 311/312 ---

----- Australia -----

**Hazard Categories**

**Hazchem  
Code**

**Poison  
Schedule**

**This MSDS Is  
WHMIS Compliant**

**Ingredient**    **Acute**    **Chronic**    **Fire**    **Pressure**    **Reactivity**

7727-21-1    Yes    No    Yes    No    Yes    2P    None Allocated  
Potassium Persulfate

7732-18-5    No    No    No    No    No    None Allocated    None Allocated  
Distilled Water

**product 6485**    Yes    No    No    No    Yes    2P    None Allocated    Yes  
**as a whole**

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**16. Other Information**

Keep out of reach of children.

**Prepared By:** Regulatory Affairs Department

**Revised:** 12/20/2007

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