



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: 4055

Product Description: Arsenic Reagent #2 Powder

Manufactured By: LaMotte Company

802 Washington Avenue

Chestertown, MD 21620

2. Composition/Information On Ingredients

Hazard	CAS#/Name	%	PEL	TLV
Yes	70693-62-8 Oxone® Monopersulfate Compound	100	1 mg/m ³ per Dupont	1 mg/m ³ per Dupont

Oxone® manufactured by DuPont contains: 43% Potassium peroxymonosulfate, 29% Potassium sulfate,

23% Potassium bisulfate, 3% Potassium peroxydisulfate, 2% Magnesium carbonate.

3. Hazards Overview

Primary Route Of Entry: Eye Skin Ingestion Inhalation

Warning! Corrosive. Oxidizer. Harmful if swallowed, inhaled, or in contact with skin or eyes. Can cause severe irritation or burns to all body tissue. Contact with combustible material may cause fire.

HMIS Hazard

Scale: 4 = Extreme, 3 = High, 2 = Moderate, 1 = Slight, 0 = Least

Health: 3 Flammability: 0 Reactivity: 1

Carcinogenicity: None:

Other Health Related Comments:

4. First Aid Measures

Eye Contact: Immediately flush with water for 15 minutes. Contact physician.

Skin Contact: Flush with water for 15 minutes while removing contaminated clothing & shoes. Wash skin with soap and water. Contact physician.

Ingestion: Do NOT induce vomiting unless directed to do so by medical personnel. Drink 2 glasses of water & rinse out mouth. Immediately contact physician.

Inhalation: Move to fresh air. If not breathing, give artificial respiration. If breathing is difficult, give oxygen. Contact physician.

5. Fire Fighting Measures

Flash Point (Method Used): N/A

LEL: N/A

UEL: N/A

Extinguishing Media: Water spray

Special Fire Fighting Procedures: Wear protective equipment and self-contained breathing apparatus.

Unusual Fire & Explosion Hazard: Decomposes when heated or dampened, releasing oxygen and heat. Acidic mist may be present.

6. Accidental Release Measures

Sweep up in manner to avoid raising/breathing dust. Place in waste container. Dispose in accordance to federal, state, and local regulations. If permitted, small amounts (<3%) can be dissolved in water, neutralized, & flushed to drain w/excess water.

7. Handling & Storage

Store in cool, dry, storage area away from combustibles, heat, and incompatible materials (powdered metals, strong bases, halogens, cyanides). Oxone decomposes upon exposure to moisture.

8. Exposure Controls/Personal Protection

Ventilation

Mechanical

Use N-95 or higher particulate respirator if irritating, airborne Oxone dust is present.

Protection When Handling

Eye Protection Gloves Lab Coat

Work/Hygenic Practices: Avoid inhalation of powder and contact with eyes or skin. Wash after handling.

9. Physical & Chemical Properties

Appearance: White granular powder

Solubility In Water: Soluble

Odor: slight,irritating

pH: 2 (3% solution in water)

Vapor Density: not known

Vapor Pressure: Nil

Boiling Point: not known

Melting Point: decomposes >50° C

10. Stability & Reactivity

Stable: Yes

Conditions To Avoid: Moisture, heat, flame, and ignition sources

Incompatibility (Materials To Avoid): Strong acids, bases, aluminum powder

Hazardous Decomposition Products: SO_x,acid mist. Mixing of Oxone w/ halides (salt, NaCl) can release chlorine

11. Toxicological Information

Oral rat LD50: 2000 mg/kg

Target Organs: Skin Respiratory System Eyes

Pre-Existing Conditions Aggravated By Exposure: Asthma

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12. Ecological Information

Information Not Yet Available

13. Disposal Considerations

Dispose according to federal, state, and local regulations.

14. Transportation Information

Proper Shipping Name:

DOT: CORROSIVE SOLID, ACIDIC, INORGANIC, N.O.S.
(Monopersulfate Compound)

IATA: CORROSIVE SOLID, ACIDIC, INORGANIC, N.O.S.
(Monopersulphate Compound)

Hazard Class/Div:

DOT: 8

IATA: 8

UN: 3260

Packing Group: II

15. Regulatory Information

Chemical Inventory Status

Hazard	Ingredient	USA TSCA	Europe EC	--- Canada --- DSL NDSL		Australia	Japan
Yes	70693-62-8	Yes	No	Yes	No	Yes	No

Federal, State, & International Regulations

Ingredient	--- SARA 302 ---		----- SARA 313 -----		CERCLA	RCRA 261.33	TSCA 8(D)
	RQ	TPQ	Listed	Chemical Category			
70693-62-8 Dupont Oxone® Monopersulfate Compound	No	No	No	No	No	No	Yes

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--- SARA 311/312 ---

Hazard Categories

----- Australia -----

**Hazchem
Code**

**Poison
Schedule**

**This MSDS Is
WHMIS Compliant**

Ingredient	Acute	Chronic	Fire	Pressure	Reactivity
70693-62-8 Dupont Oxone® Monopersulfate Compound	Yes	No	No	No	No

2X

None Allocated

**product 4055
as a whole**

Yes No No No No

2X

None Allocated Yes

16. Other Information

MSDS created per manufacturer's (DuPont) MSDS information.
Keep out of reach of children.

Prepared By: Regulatory Affairs Department

Revised: 3/26/2009
