

# MATERIAL SAFETY DATA SHEET

## SECTION I MATERIAL NAME / IDENTIFIER

OXY OUT/OXY CLEAR

WHMIS: D2B

Manufacturer's Name: CAPO INDUSTRIES LTD  
Street Address: 1200 CORPORATE DRIVE  
City: BURLINGTON, ONTARIO  
Postal Code: L7L 5R6  
Emergency Telephone: Canutec (613) 996-6666 (Collect)

Chemical Name: Oxone  
Chemical Family: Monopersulphate  
Chemical Formula: 2KHSO5 KHSO4 K2S04  
Trade Name & Synonyms: Potassium Monopersulphate  
Molecular Weight: Not applicable  
Material Use: Pool Water Treatment Chemical

## SECTION II HAZARDOUS INGREDIENTS

Hazardous Ingredients	Approx Conc %	C.A.S. N.A. U.N. Number	LD 50 Specify Species & Route (Oral, RAT)	LC 50 Specify Species & Route (Inhal, RAT)
Potassium Peroxymono Sulphate	30-60	10058-23-8	Not available	Not available
Potassium Bisulphate	10-30	7646-93-7	Not available	Not available
Potassium Sulphate	15-40	7778-80-5	Not available	Not available
Magnesium Carbonate	1-5	546-93-0	Not available	Not available

## SECTION III PHYSICAL DATA FOR MATERIAL

Physical State: Gas      Liquid      Solid      X

Odour & Appearance: White, granular, opaque, odourless

Odour Threshold (Ppm): Not applicable

Specific Gravity: 1.1 to 1.4

Vapour Pressure (Mm): Not applicable

Vapour Density (Air-1): Not applicable

Evaporation Rate: Not applicable

Boiling Point (C): Not applicable

Freezing Point (C): Decomposes

Solubility In Water (20c): 25.6% @ 20 deg C

% Volatile (By Volume) Not applicable

Ph: 2.30 (1% solution)

Coefficient Of Water/Oil Distribution: Not applicable

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## SECTION IV - FIRE & EXPLOSION HAZARD OF MATERIAL

**Flammability:** Yes No X  
**If Yes, Under Which Conditions?:** Not applicable. NOTE: Grinding or intensive mixing may cause ignition or oxidizable material present.  
**Means Of Extinction:** Use media suitable to extinguish source of fire.  
**Special Procedures:** Wear self-contained breathing apparatus when fire fighting.  
**Flashpoint (Celsius) And Method:** Not applicable  
**Autoignition Temperature (Celsius):** Not applicable  
**Lower Explosion Limit (% By Volume):** Not applicable  
**Upper Explosion Limit (% By Volume):** Not applicable  
**Hazardous Combustion Products:** Not applicable

## EXPLOSION DATA

**Sensitivity To Mechanical Impact:** None **Sensitivity To Static Discharge:** None

## SECTION V REACTIVITY DATA

**Chemical Stability:** Yes X No  
**If No, Under Which Conditions?:** Not applicable  
**Incompatibility To Other Substances:** Yes X No  
**If So, Which Ones:** This product is an oxidizer. When mixed with halides (chlorine, bromine) or compounds containing halides, it will release the respective halogen gas. Examples: Mixture of this product and salt will emit chlorine gas. Mixture with cyanides can release hydrogen cyanide gas. Heavy metal salts such as cobalt, nickel and copper cause the evolution of oxygen.  
**Reactivity And Under What Conditions:** See above.  
**Hazardous Decomposition Products:** Releases oxygen gas.

## SECTION VI TOXICOLOGICAL PROPERTIES OF MATERIAL

### Route Of Entry:

: Skin Contact X :Skin Absorption : Eye Contact X  
: Inhalation Acute :Inhalation Chronic : Ingestion X

### EFFECTS OF ACUTE EXPOSURE TO MATERIAL

**Skin:** Skin contact may cause irritation and burns.  
**Eye:** Eye contact may cause irritation and burns.  
**Inhalation:** Will cause irritation of mucosal membrane and respiratory passages.  
**Ingestion:** Gastritis possibility progressing to necrosis or haemorrhage.

**Effects Of Chronic Exposure To Material:** None known.

**Other Health Effects:** None known

**Ld 50 Of Material (Specify Species And Routes):** Oral Rat – 2000 mg/kg, Skin absorption Rabbit - > 11,000 mg/kg  
**Lc 50 Of Material (Specify Species And Routes):** 4 hr inhalation Rat - > 5 mg/kg

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**Exposure (Limits):** OSHA PEL particulates not otherwise classified: 15 mg/m<sup>3</sup>, 8 hr, TWA Total Dust; 5 mg/m<sup>3</sup>, 8 hr, TWA Respirable Dust.

**Irritancy Of Material:** Skin, eye, nose and throat.

**Sensitization Of Material:** None known.

**Synergistic Materials:** None known.

**Carcinogenicity, Mutagenicity, Reproductive Effects, Teratogenicity:** None known.

## SECTION VII PREVENTATIVE MEASURES

### PERSONAL PROTECTIVE EQUIPMENT

**Gloves (Specify):** Latex or rubber gloves if skin contact is likely.

**Eye (Specify):** Safety glasses/goggles if eye contact is likely.

**Respiratory (Specify):** NIOSH/MSHA air purifying respirator if prolonged use in non-ventilated area is unavoidable.

**Other (Specify):** Impervious clothing if contact is likely.

**Engineering Controls (e.g. Ventilation, Enclosed Process – Specify):** Use in well ventilated area. Local ventilation may be required to keep particulates below OSHA-PEL.

**Leak And Spill Procedure:** Sweep up and collect in a metal container. Flush residue with water. Large quantities should be neutralized with soda ash.

**Waste Disposal:** Dispose material in accordance with federal, provincial and local government regulations.

**Handling Procedures And Equipment:** Avoid contact with eyes, skin and clothing. Avoid breathing dust. Wash thoroughly after handling.

**Storage Requirements:** Store in cool, dry area. Do not mix directly with other chemicals. Do not store with combustible materials.

**Special Shipping Information:**

<b>Transportation:</b>	Corrosive Solid Acidic- Inorganic N.O.S. (Monopersulphate Compound)
<b>Class:</b>	8
<b>Pkg. Group:</b>	II
<b>P.I.N./Un:</b>	3260 1Kg and under Ltd Qty.

## SECTION VIII FIRST AID MEASURES

**Skin:** Wash thoroughly with soap and water. Flush with water for 15 minutes.

**Eye:** Flush eyes with plenty of water for 15 minutes. Seek medical attention.

**Inhalation:** Remove person to fresh air. Give artificial respiration if required. Seek medical attention.

**Ingestion:** Drink large quantities of water and contact a physician.

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## SECTION IX

## PREPARATION DATE OF M.S.D.S.

Prepared By (Group, Department, Etc.): Plant Chemist Telephone: (905) 332-6626

Preparation Date: July 16, 1999

Date Of Latest Revision/Review: January 1, 2009

### Additional Notes Or References:

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