



# MATERIAL SAFETY DATA SHEET

## SECTION 1 - MANUFACTURER OR SUPPLIER DATA

MSDS NUMBER  
US9411Z 6131 XX

MANUFACTURER'S NAME & MAILING ADDRESS U S Chemical - A DIVISION OF HYDRITE CHEMICAL CO. 316 Hart Street Watertown, Wisconsin 53094 USA		PREPARED BY D. E. Kenas	SIGNATURE David E. Kenas c
EMERGENCY TELEPHONE NO. (24 HOUR SERVICE) Medical Emergency ONLY: 1-800-228-5635 Ext. 075		TITLE Quality Assurance Manager	DATE 9-1-94
		PRODUCT INFORMATION TELEPHONE NO. (8-5 CST) Product Information: 1-800-558-9566	

*New  
Add to Master  
File of contents  
under US Chemical*

## SECTION 2 - IDENTITY OF MATERIAL

PRODUCT NAME IND/COM OXYGEN BLEACH			
PRODUCT DESCRIPTION Powdered Oxygen Bleach		FORMULA Proprietary Blend	CHEMICAL FAMILY N.A.
REGULATED IDENTIFICATION	DOT PROPER SHIPPING NAME Not Regulated by D.O.T.		
	SHIPPING ID NUMBER N.A.	HAZARD CLASS N.A.	

## SECTION 3 - PHYSICAL/CHEMICAL CHARACTERISTICS

BOILING POINT N.A.	SPECIFIC GRAVITY (H <sub>2</sub> O = 1) N.A.	PHYSICAL FORM Granular Powder	COLOR White
VAPOR PRESSURE (mm Hg) N.A.	MELTING POINT N.A.	SOLUBILITY IN WATER Moderate	SCENT None Added
VAPOR DENSITY (AIR = 1) N.A.	EVAPORATION RATE (BUTYL ACETATE = 1) N.A.	pH 2500 ppm SOLUTION 10.5	pH CONCENTRATE N.A.
OTHER N.A.			

## SECTION 4 - HAZARDOUS INGREDIENTS/IDENTITY INFORMATION

HAZARDOUS COMPONENTS (CHEMICAL NAME; COMMON NAME)	OSHA PEL	ACGIH TLV	OTHER LIMITS RECOMMENDED	PERCENT
Sodium Metasilicate CAS Registry Number 6834-92-0	Not Established	Not Established	2 mg/m <sup>3</sup> as NaOH (Crosfield Chemicals)	5.0
Sodium Perborate Monohydrate CAS Registry Number 7632-04-4	15 mg/m <sup>3</sup> Total Dust	10 mg/m <sup>3</sup> Total Dust	5 mg/m <sup>3</sup> Respirable Dust (OSHA)	30.0-50.0
Sodium Carbonate: Soda Ash CAS Registry Number 497-19-8	Not Established	Not Established	Not Established	15.0-40.0

This product contains no other ingredient considered hazardous according to the criteria of 29 CFR 1910.1200, OSHA. However, this product contains chemicals which may be subject to reporting requirements according to the criteria of SARA Title III, 40 CFR, Part 370, Section 311 and Section 312.

### STATE RIGHT TO KNOW INFORMATION

THIS PRODUCT CONTAINS: SODIUM PERBORATE MONOHYDRATE/7632-04-4, SODIUM CARBONATE/497-19-8, SODIUM CHLORIDE/7647-14-5, SODIUM METASILICATE/6834-92-0

NFPA RATING: Health-2/Flammability-0/Reactivity-0 See Section 5 for Protective Equipment.

HMS RATING: Health-2/Flammability-0/Reactivity-0 See Section 5 for Protective Equipment.

### CARCINOGENICITY:

This product does not contain any known carcinogens or anticipated carcinogens according to the criteria of the NTP Annual Report on Carcinogens, IARC Monographs, and OSHA 29 CFR 1910, Subpart Z.

## SECTION 5 - SAFE USAGE DATA

PROTECTIVE EQUIPMENT TYPES	EYES Safety glasses, safety goggles, and an eye-wash station.	
	RESPIRATORY Dust mask for handling greater than 25 lbs.	GLOVES Rubber (Latex).
	OTHER Wear full-cover protective clothing to prevent repeated or prolonged contact.	
VENTILATION	GENERAL MECHANICAL Satisfactory. Maintain adequate ventilation. Keep levels below recommended TLV.	
	LOCAL EXHAUST Not ordinarily needed. Avoid inhalation of dust containing this product.	
PRECAUTIONS	HANDLING & STORAGE Follow all label directions. Instruct personnel about proper use, hazards, precautions, and first-aid measures. Avoid inhalation, ingestion and contact with skin and eyes.	
	Rotate stock regularly. Handle carefully to avoid damaging container. Keep container closed when not in use. Recommended storage temperature below 100° F. Keep out of children's reach.	

## SECTION 6 - HEALTH HAZARD DATA

EFFECTS OF EXPOSURE	INHALATION Inhalation of <u>dust</u> or mist containing this product may cause irritation to nose, throat, and mucous membranes, tissue damage, pulmonary irritation, and pulmonary edema.	
	INGESTION May cause tissue damage, discomfort, nausea, and vomiting. Also may cause a sudden release of oxygen, which can cause injury by distension of esophagus or stomach.	
	SKIN & EYES SKIN: Prolonged contact may cause irritation. EYES: Corrosive. Causes eye burns. May cause temporary or permanent vision loss and blindness.	
	ACUTE & CHRONIC ACUTE: Irritation to skin and respiratory system. Causes eye burns. Permanent eye damage may result without immediate first aid treatment. CHRONIC: None Known.	
ROUTES OF ENTRY	INGESTION-X SKIN ABSORPTION-X SKIN-X EYES-X INHALATION-X	TARGET ORGANS Eyes, Respiratory System.

## SECTION 7 - PHYSICAL HAZARD DATA

FLAMMABILITY	LEL = N.A. UEL = N.A.	FLASH POINT = N.A.	METHOD USED = N.A.
STABILITY	STABLE	X	CONDITIONS TO AVOID Avoid mixing with any other cleaning product. Mix only with water. Avoid temperature above 100° F and high humidity to prevent caking.
	UNSTABLE		
HAZARDOUS POLYMERIZATION	MAY OCCUR		HAZARDOUS DECOMPOSITION PRODUCTS Warning! Mixing with incompatible materials may cause liberation of oxygen gas and pressure burst if material is confined.
	WILL NOT OCCUR	X	CONDITIONS TO AVOID N.A.
INCOMPATIBILITY	MATERIALS TO AVOID Organic materials, reducing agents, acids, heavy metals, oils, greases and contamination of any kind.		

## SECTION 8 - EMERGENCY RESPONSE DATA

FIRE	EXTINGUISHING MEDIA Fight fire with water spray. This product does not support combustion.	
	SPECIAL PROCEDURES Flood area and cool containers with water. Wear full-cover protective clothing including boots, rubber suit, chemical splash goggles, and a self-contained breathing apparatus.	
	UNUSUAL HAZARDS Strong oxidizer. Contact with organic liquids or vapors may cause fire or explosion, especially if heated. Decomposes thermally to liberate oxygen causing a pressure burst.	
FIRST AID MEASURES	INGESTION: Do not induce vomiting. If patient is conscious and can swallow, administer milk or water.	
	SKIN: Remove contaminated clothes, flood with water for 15 minutes. EYES: Flood with lukewarm (not hot) water poured from a large glass 2 or 3 inches from eyes. Remove contacts. Have patient blink as much as possible while flooding the eyes. Continue for 15 minutes. INHALATION: Move victim to fresh air. Give artificial respiration if patient is not breathing. ADMINISTER FIRST AID TREATMENT AS STATED ABOVE, THEN CALL 1-800-228-5635 Ext 075 OR CONTACT PHYSICIAN FOR FURTHER MEDICAL INSTRUCTIONS.	
SPILLS	STEPS TO BE TAKEN Use proper protective equipment. Carefully sweep up and shovel into dry containers without raising dust. Cover containers and move containers out of spill area.	
RD = N.A.	Flush area with water and follow with normal clean-up procedures.	
	WASTE DISPOSAL METHOD Comply with all federal, state, and local regulations. Consult state and local authorities for restrictions on disposal of chemical waste. Please recycle empty container whenever possible.	

THE DATA IN THIS MATERIAL SAFETY DATA SHEET RELATES ONLY TO THE SPECIFIC MATERIAL DESIGNATED AND DOES NOT RELATE TO ITS USE IN COMBINATION WITH ANY OTHER MATERIAL OR PROCESS. THE DATA CONTAINED IS BELIEVED TO BE ACCURATE. HOWEVER, SINCE USE CONDITIONS VARY AND ARE OUTSIDE OUR CONTROL, U.S. CHEMICAL, A DIVISION OF HYDRITE CHEMICAL CO. MAKES NO WARRANTIES, EXPRESSED OR IMPLIED, AND ASSUMES NO LIABILITY FOR FAILURE TO FOLLOW PRODUCT USE DIRECTIONS AND SAFETY PRECAUTIONS.