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## MATERIAL SAFETY DATA SHEET

DATE PREPARED: 6/20/00 SW

1. CHEMICAL PRODUCT IDENTIFICATION **DUBOTH OX**

General Use: **OXYGEN SCAVENGER**

EMERGENCY TELEPHONE NUMBER:  
CHEMTREC 800-424-9300

2. COMPOSITION/INFORMATION ON INGREDIENTS

OSHA HAZARDOUS COMPONENTS (29 CFR 1910.1200) EXPOSURE LIMITS 8 HRS. TWA (PPM)

Component	Hazard	CAS#	OSHA STEL	OSHA PEL	ACGIH TLV
<b>SODIUM SULFITE</b>	<b>IRRITANT</b>	<b>7757-83-7</b>	<b>NOT LISTED</b>	<b>NOT LISTED</b>	<b>NOT LISTED</b>

3. HAZARDS IDENTIFICATION

EMERGENCY OVERVIEW: **THIS POWDER IS AN IRRITANT TO WHICH SOME PEOPLE MAY EXHIBIT AN ALLERGIC REACTION.**

POTENTIAL HEALTH EFFECTS

INHALATION: **IRRITATING TO MUCOUS MEMBRANES.** EYE CONTACT: **MAY BE IRRITATING TO THE EYES.**

INGESTION: **IRRITATING TO THE DIGESTIVE TRACT.** CHRONIC: **NONE**

SKIN CONTACT: **MAY BE IRRITATING TO THE SKIN.** TARGET ORGANS: **POINT OF CONTACT.**

MEDICAL CONDITIONS AGGRAVATED BY EXPOSURE: **ASTHMA.**

4. FIRST AID MEASURES

INHALATION: **REMOVE TO FRESH AIR. GET MEDICAL AID FOR ASTHMATICS.** SKIN CONTACT: **WASH WITH SOAP AND WATER.**

EYE CONTACT: **RINSE WITH WATER FOR 15 MINUTES. GET MEDICAL ATTENTION.** INGESTION: **DRINK 2 GLASSES OF WATER AND INDUCE VOMITING. GET MEDICAL ATTENTION.**

NOTES TO PHYSICIAN: **N.D.**

5. FIRE FIGHTING MEASURES

Flashpoint (°F) and Method: **DOES NOT BURN.** Autoignition Temperature (°F): **N/A**

FLAMMABLE LIMITS: Ingredient: **NONE** UEL: **N/A** LEL: **N/A**

GENERAL HAZARD: **IRRITANT** FIRE FIGHTING EQUIPMENT: **WEAR SELF CONTAINED BREATHING APPARATUS.**

FIRE FIGHTING INSTRUCTIONS: **N/E**

EXTINGUISHING MEDIA:

Foam: <b>YES</b>	Alcohol Foam: <b>YES</b>	CO2: <b>YES</b>
Dry Chemical: <b>YES</b>	Water: <b>YES</b>	Other: <b>NONE</b>

HAZARDOUS COMBUSTION PRODUCTS: **OXIDES OF SULFUR AND SODIUM.**

NATIONAL FIRE PROTECTION ASSOCIATION HAZARD RATINGS:

0 – Insignificant	1 – Slight	2 – Moderate	3 – High
4 – Extreme	U – Unknown	* – No Information	

Health : **1**  
Flammability : **0**  
Reactivity : **0**

SPECIAL INFORMATION: **NONE**

N/A: Not Applicable  
N/D: Not Determined  
N/E: Not Established  
\* Where no corresponding data was contained in manufacturer's MSDS, additional research is required and is available upon request.





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6. ACCIDENTAL RELEASE MEASURES	
LAND SPILL: <b>COLLECT AND DISPOSE OF IN ACCORDANCE TO LOCAL, STATE AND FEDERAL REGULATIONS.</b>	WATER SPILL: <b>REPORT TO THE APPROPRIATE AUTHORITIES.</b>
7. HANDLING AND STORAGE	
STORAGE TEMPERATURE (°F): <b>ROOM TEMPERATURE</b>	STORAGE PRESSURE: <b>ATMOSPHERIC</b>
GENERAL: <b>STORE IN A COOL, DRY AREA. KEEP CONTAINER CLOSED, KEEP FROM FREEZING AND WASH HANDS AFTER HANDLING.</b>	
8. EXPOSURE CONTROL/PERSONAL PROTECTION	
ENGINEERING CONTROLS: <b>LOCAL EXHAUST, USE APPROPRIATE VENTILATION.</b>	
PERSONAL PROTECTION: <b>GOGGLES AND DUST MASK.</b>	
RESPIRATOR: <b>NONE</b>	PROTECTIVE CLOTHING: <b>RUBBER GLOVES.</b>
9. PHYSICAL AND CHEMICAL PROPERTIES	
Vapor Pressure (mmHg) : <b>N/A</b>	pH : <b>8.0 – 9.0</b>
Specific Gravity (Water=1) : <b>N.D.</b>	Odor : <b>SLIGHT FOREIGN</b>
Solubility in Water : <b>COMPLETE</b>	Appearance : <b>WHITE TO OFF WHITE</b>
Freezing Point : <b>N/A</b>	Physical State : <b>POWDER</b>
Evaporation Rate (BuAc=1) : <b>N/A</b>	Vapor Density (Air=1) : <b>N.D.</b>
Viscosity : <b>N/A</b>	Percent Volatile by Vol : <b>N.D.</b>
Boiling Point (°F) : <b>N/A</b>	
10. STABILITY AND REACTIVITY	
GENERAL: <b>STABLE BUT WILL RELEASE SULFUR OXIDES WHEN EXPOSED TO ACIDS.</b>	
INCOMPATIBLE MATERIALS AND CONDITIONS TO AVOID: <b>OXIDIZING AGENTS AND ACIDS.</b>	
HAZARDOUS DECOMPOSITION PRODUCTS: <b>NONE.</b>	
11. TOXICOLOGICAL INFORMATION	
CARCINOGENIC INFORMATION: <b>N/E</b>	
CAS#: <b>NONE PRESENT</b>	% WT.: <b>N/A</b>
IARC: <b>NOT LISTED</b>	NTP: <b>NOT LISTED</b> OSHA: <b>NOT LISTED</b> ACGIH: <b>NOT LISTED</b> OTHER: <b>NOT LISTED</b>
12. ECOLOGICAL INFORMATION: <b>THIS MATERIAL WILL DEplete OXYGEN IN A WATER BODY.</b>	
13. DISPOSAL CONSIDERATION	
RCRA Hazard Class: <b>NOT LISTED.</b>	
14. TRANSPORT INFORMATION:	
DOT (Department of Transportation) Proper Shipping Name: <b>NOT DOT REGULATED.</b> Hazard Class: <b>NOT LISTED</b> Identification Number: <b>NONE</b>	
15. REGULATORY INFORMATION	
TSCA (Toxic Substance Control Act): <b>ALL COMPONENTS USED ARE LISTED IN THE TSCA INVENTORY.</b>	
CERCLA (Comprehensive Environmental Response Compensation, and Liability Act) <b>NONE LISTED</b> FDA and USDA <b>Approved</b>	
SARA TITLE III (Superfund Amendments and Reauthorization Act) 311/312 Hazard Categories: <b>NONE LISTED</b> 313 Reportable Ingredients: <b>NONE LISTED</b>	
16. OTHER INFORMATION	
REFERENCE: <b>PRODUCT FILE #F1038</b>	
THE INFORMATION RELATES TO THIS SPECIFIC MATERIAL. IT MAY NOT BE VALID FOR THIS MATERIAL. IF USED IN COMBINATION WITH ANY OTHER MATERIALS OR IN ANY PROCESS. IT IS THE USER'S RESPONSIBILITY TO SATISFY ONESELF AS TO THE SUITABILITY AND COMPLETENESS OF THIS INFORMATION FOR HIS OWN PARTICULAR USE.	

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