

# MATERIAL SAFETY DATA SHEET

## OS1137

### SECTION 1:

### IDENTIFICATION

Company Name:	QUALICHEM TECHNOLOGIES
Address:	885 WOODSTOCK RD, STE 430-111 ROSWELL, GA 30075
Phone No.	(800) 658-7716
Fax No.	(877) 209-1556
Emergency Phone No.	CHEM-TEL 800-255-3924
Date Prepared:	3/25/08
Date Revised:	5/7/09

### SECTION 2:

### INGREDIENTS

<u>MATERIAL</u>	<u>CAS NO.</u>	<u>%</u>
SODIUM SULFITE	7757-83-8	99

### SECTION 3:

### HEALTH HAZARDS

Ingestion:	ORAL EXPOSURE OR SWALLOWING MAY PRODUCE GASTROINTESTINAL UPSET, NAUSEA OR VOMITING. INGESTION MAY BE FATAL. SULFITE SENSITIVE INDIVIDUALS MAY EXPERIENCE A SEVERE ALLERGIC REACTION.
Inhalation:	NOT A LIKELY ROUTE OF EXPOSURE. INHALATION OF DUST MAY CAUSE MILD IRRITATION.
Skin Contact:	MAY CAUSE MILD IRRITATION WITH PROLONGED EXPOSURE.
Eye Contact:	MAY CAUSE IRRITATION.
Other Information:	OTHER THAN ACUTE EFFECTS LISTED ABOVE, NO LONG TERM EFFECTS KNOWN.

### SECTION 4:

### FIRST AID

Ingestion:	DRINK SEVERAL GLASSES OF WATER TO DILUTE. DO NOT INDUCE VOMITING. NEVER GIVE ANYTHING BY MOUTH TO AN UNCONSCIOUS PERSON. GET MEDICAL ATTENTION.
Inhalation:	REMOVE VICTIM TO FRESH AIR. GET MEDICAL ATTENTION IF SYMPTOMS PERSIST.
Skin Contact:	WASH WITH PLAIN WATER OR SOAP AND WATER.
Eye Contact:	IMMEDIATELY FLUSH WITH CLEAR WATER FOR 15 MINUTES AND GET MEDICAL ATTENTION IF IRRITATION PERSISTS.
Notes to Physician:	BREATHING OF DUST MAY AGGRAVATE ASTHMA OR OTHER PULMONARY DISEASES.

### SECTION 5:

### FIRE AND EXPLOSION HAZARD DATA

Flash Point/Method:	NONE
Upper/Lower Limit in Air:	N.A./N.A.
Extinguishing Media:	WATER OR ANY MEDIA SUITABLE FOR THE SURROUNDING FIRE.
Procedures:	FIREFIGHTERS SHOULD WEAR NORMAL PROTECTIVE EQUIPMENT. SELF-CONTAINED BREATHING APPARATUS SHOULD BE USED IN CONFINED AREAS.
Unusual Hazards:	NONE
Combustion Products:	OXIDES OF SULFUR MAY BE GENERATED DURING DECOMPOSITION.

### SECTION 6:

### ACCIDENTAL RELEASE MEASURES

Personal Precautions:	WEAR PERSONAL PROTECTIVE EQUIPMENT AS RECOMMENDED IN SECTION 8.
Environmental Precautions:	AVOID EXCESSIVE DUST. DO NOT FLUSH TO DRAIN.
Procedures for Clean Up:	SWEEP UP SPILLED MATERIAL AND PLACE IN A SUITABLE CONTAINER FOR LATER USE OR DISPOSAL. SWEEPINGS MAY BE DISPOSED OF IN A LANDFILL. OBEY ALL FEDERAL, STATE OR LOCAL REGULATIONS.
Prohibited Materials:	NONE

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### SECTION 7:

### HANDLING AND STORAGE

Handling:	AVOID PROLONGED OR REPEATED CONTACT WITH SKIN OR EYES. DO NOT WEAR CONTACT LENSES WITHOUT EYE PROTECTION AROUND THIS PRODUCT.
Storage:	KEEP OUT OF REACH OF CHILDREN. STORE IN A COOL, DRY PLACE AWAY FROM ACIDS. KEEP CONTAINERS TIGHTLY CLOSED WHEN NOT IN USE.

### SECTION 8:

### EXPOSURE CONTROLS/PERSONAL PROTECTION

Precautionary Measures:	STANDARD INDUSTRIAL HANDLING PRECAUTIONS. WASH THOROUGHLY AFTER HANDLING CHEMICALS.
Engineering Controls:	IN PLACES WITH THE POSSIBILITY FOR CREATING DUST IN EXCESS OF EXPOSURE LIMITS, VENTILATION SHOULD BE PROVIDED. IN CASE OF SIGNIFICANT OR ACCIDENTAL DUST EMISSIONS, A NIOSH/MSHA APPROVED RESPIRATOR SHOULD BE WORN. IF SO <sub>2</sub> IS PRESENT, (SEE SECTION 10), USE AN NIOSH-APPROVED AIR SUPPLIED POSITIVE PRESSURE RESPIRATOR OR ACID GAS CANISTER.
Control Limits:	SODIUM SULFITE: OSHA PEL = 5 mg/m <sup>3</sup> (RESPIRABLE DUST); 15 mg/m <sup>3</sup> (TOTAL DUST).
Equipment for Personal Protection:	COTTON GLOVES ARE ADEQUATE FOR ROUTINE HANDLING OF DRY PRODUCT. FOR SOLUTIONS, WEAR ACID IMPERVIOUS GLOVES. WEAR CHEMICAL SAFETY GOGGLES. DO NOT WEAR CONTACT LENSES WITHOUT PROPER EYE PROTECTION. WEAR BOOTS, APRON, LONG SLEEVES AND OTHER PROTECTIVE CLOTHING SUITABLE FOR USE TO PREVENT CONTACT WITH THE SKIN. EYEWASH STATION AND SAFETY SHOWER IN AREA OF USE.

### SECTION 9:

### PHYSICAL AND CHEMICAL PROPERTIES

Appearance:	WHITE GRANULAR POWDER
Odor:	CHARACTERISTIC
pH (1% Solution):	9.6 – 9.8
Specific Gravity:	N.A.
Bulk Density:	95 – 100 lbs/ft <sup>3</sup>
Solubility in Water:	27 g / 100 g Water @20° C (68° F)
Boiling Point:	N.A.
Percent Volatile:	0
Vapor Pressure (mmHg):	N.A.
Vapor Density:	N.A.
Evaporation Rate:	N.A.

### SECTION 10:

### STABILITY AND REACTIVITY

Stability:	STABLE
Conditions to Avoid:	HIGH TEMPERATURES, MOISTURE.
Hazardous Polymerization:	STABLE
Conditions to Avoid:	NONE
Incompatibility:	MAY REACT WITH STRONG OXIDIZING AGENTS OR ACIDS.
Hazardous Decomposition Products:	OXIDES OF SULFUR.

### SECTION 11:

### TOXICOLOGICAL INFORMATION

Material & Tests:	SODIUM SULFITE: ORAL LD50 (MOUSE) = 820 mg/kg.
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### SECTION 12:

### ECOLOGICAL INFORMATION

Aquatic Toxicity:	SODIUM SULFITE: 96 HR LC50 (GOLDFISH) = 100 mg/l; 24, 48, 96 HR TLm (MOSQUITO FISH) = 2600 ppm.
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### SECTION 13: DISPOSAL CONSIDERATIONS

General Considerations: Procedures:	THIS PRODUCT IS NOT A HAZARDOUS WASTE. DISPOSAL BY USE PREFERRED. SPILLED PRODUCT SHOULD BE DISPOSED OF IN AN EPA APPROVED DISPOSAL FACILITY IN ACCORDANCE WITH APPLICABLE NATIONAL, STATE AND LOCAL ENVIRONMENTAL LAWS AND REGULATIONS.
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### SECTION 14: TRANSPORT INFORMATION

Shipping Name:	COMPOUNDS, WATER TREATMENT, N.O.S. (NOT REGULATED BY US DOT)
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### SECTION 15: REGULATORY INFORMATION

<u>Regulation</u>	<u>Material</u>	<u>RQ</u>	<u>Max. %</u>
CERCLA (40 CFR302.4):	NONE		
SARA 302 (Sect. 355, Appendix A):	NONE	<u>TPQ</u>	<u>Max. %</u>
SARA 311/312:	<u>Categories</u> ACUTE AND CHRONIC HEALTH HAZARD		
SARA 313 (40 CFR 372.45):	NONE		<u>Max. %</u>
CWA (40 CFR 401.15):	NONE		
RCRA (40 CFR 261):	NONE		
OSHA (29 CFR 1910.1200):	ALL COMPONENTS LISTED UNDER THIS STANDARD ARE SHOWN IN SECTION 2 OF THIS MSDS.		
TSCA:	ALL INGREDIENTS IN THIS PRODUCT ARE LISTED IN THE TSCA INVENTORY.		

### SPECIAL STATE REGULATIONS

<u>STATE</u>	<u>INGREDIENT</u>	<u>%</u>	<u>REGULATORY DESIGNATION</u>
NONE			

### SECTION 16 OTHER INFORMATION

#### SUGGESTED HAZARD RATINGS

<u>NFPA*</u>	<u>HAZARD</u>	<u>HMIS*</u>
2	HEALTH (Blue)	2
0	FIRE (Red)	0
1	REACTIVITY (Yellow)	1
	PERSONAL PROTECTION	C
	SPECIAL HAZARDS	

\*Notes: 0 = Insignificant; 1 = Slight; 2 = Moderate; 3 = High; 4 = Extreme

The data contained in this Material Safety Data Sheet has been prepared based upon an evaluation of the ingredients in the product, their concentration in the product and potential interactions. The information is offered in good faith and is believed to be accurate. It is furnished to the customer who is urged to study it carefully to become aware of hazards, if any, in the storage, handling, use and disposal of the product; and to insure his employees are properly informed and advised of all safety precautions required. The information is furnished for compliance with the "Occupational Safety and Health Act" of 1970, the "Hazards Communication Act" of 1983 as well as various other Federal, State and Local regulations. Use or dissemination of all or part of this information for any other purpose is prohibited by law.