

MATERIAL SAFETY DATA SHEET

OS1337

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:	11/19/04
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SECTION 2:
INGREDIENTS

MATERIAL
SODIUM BISULFITE

<u>CAS NO.</u>	<u>%</u>
7681-57-4	30 - 40

SECTION 3:
HEALTH HAZARDS

Ingestion:	MAY BE TOXIC. MAY IRRITATE THE GASTROINTESTINAL TRACT. VERY LARGE DOSES CAUSE VIOLENT COLIC, DIARRHEA, DEPRESSION AND POSSIBLE DEATH. MAY CAUSE A SEVERE ALLERGIC REACTION IN SOME ASTHMATICS. SEVERELY IRRITATING TO RESPIRATORY TRACT. CAUSES COUGHING.
Inhalation:	PROLONGED CONTACT CAUSES SEVERE IRRITATION, POSSIBLE BURNS.
Skin Contact:	CAUSES SEVERE IRRITATION, POTENTIAL BURNS AND EYE DAMAGE.
Eye Contact:	OTHER THAN ACUTE EFFECTS LISTED ABOVE, NO LONG TERM EFFECTS
Other Information:	KNOWN.

SECTION 4:
FIRST AID

Ingestion:	DRINK SEVERAL GLASSES OF WATER. 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. GET MEDICAL ATTENTION IF SEVERE IRRITATION OR BURNS OCCUR.
Eye Contact:	IMMEDIATELY FLUSH WITH CLEAR WATER FOR 15 MINUTES AND GET MEDICAL ATTENTION IF IRRITATION PERSISTS.
Notes to Physician:	THIS PRODUCT IS ACIDIC. TREAT SYMPTOMS WITH SUPPORTIVE MEASURES.

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:	THIS PRODUCT CAN BE HAZARDOUS IF SPILLS ARE ACCIDENTLY RELEASED INTO THE ENVIRONMENT.
Procedures for Clean Up:	SMALL SPILLS MAY BE DILUTED AND FLUSHED TO WASTE WITH COPIOUS QUANTITIES OF WATER, PREFERABLY TO A SANITARY SEWER OR WASTE TREATMENT FACILITY. LARGE SPILLS SHOULD BE DIKED TO PREVENT RUN-OFF. IF POSSIBLE, PUMP LIQUID INTO A SUITABLE ACID RESISTANT CONTAINER FOR DISPOSAL. REMAINING MATERIAL MAY BE NEUTRALIZED WITH DILUTE ALKALAI AND FLUSHED TO SEWER IF PERMITTED BY APPLICABLE DISPOSAL REGULATIONS.
Prohibited Materials:	NONE

SECTION 7:
HANDLING AND STORAGE

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Handling:	THIS PRODUCT IS AN ACIDIC MATERIAL AND THE WEARING OF INDICATED PROTECTIVE EQUIPMENT IS REQUIRED WHEN HANDLING THE UNDILUTED MATERIAL.
Storage:	KEEP OUT OF REACH OF CHILDREN. STORE IN A COOL, DRY PLACE. 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:	USE WITH ADEQUATE VENTILATION TO KEEP EXPOSURES BELOW OCCUPATIONAL EXPOSURE LIMITS.
Control Limits:	NONE
Equipment for Personal Protection:	WEAR CHEMICAL SAFETY GLASSES, GOGGLES, OR FACE SHIELD, AND PROTECTIVE GLOVES AND CLOTHING. EYEWASH STATION AND SAFETY SHOWER IN AREA OF USE.

SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES

Appearance:	CLEAR LIQUID
Odor:	CHARACTERISTIC SULFIDE
pH (Undiluted):	<4
Specific Gravity:	1.32 - 1.34
Density:	11.1 lbs./gal.
Solubility in Water:	COMPLETE
Boiling Point:	>212°F
Percent Volatile:	>60 (WATER)
Vapor Pressure (mmHg):	N.D.
Vapor Density:	>1
Evaporation Rate:	N.D.

SECTION 10: STABILITY AND REACTIVITY

Stability:	STABLE
Conditions to Avoid:	NONE
Hazardous Polymerization:	STABLE
Conditions to Avoid:	NONE
Incompatibility:	ACIDS MAY PRODUCE SULFUR DIOXIDE GAS WHICH IS TOXIC AND CORROSIVE.
Hazardous Decomposition Products:	OXIDIZERS MAY PRODUCE STRONG EXOTHERMIC REACTIONS. SULFUR DIOXIDE GAS.

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 BUT IF THIS NOT POSSIBLE, DILUTE WITH COPIOUS QUANTITIES OF WATER, NEUTRALIZE WITH DILUTE ALKALAI AND FLUSH TO WASTE, PREFERABLY TO A SANITARY SEWER. HOWEVER, OBEY ALL FEDERAL, STATE OR LOCAL REGULATIONS.
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SECTION 14: TRANSPORT INFORMATION

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Shipping Name:	CORROSIVE LIQUID, ACIDIC, INORGANIC, N.O.S.
Primary Hazard Class:	8
Secondary Hazard Class:	NONE
Identification No.:	UN3264
Packing Group:	PG III
2004 NAERG No.:	154

SECTION 15: REGULATORY INFORMATION

<u>Regulation</u>	<u>Material</u>	<u>RQ</u>	<u>Max. %</u>
CERCLA (40 CFR302.4):	SODIUM BISULFITE	5000 lbs.	40
	<u>Material</u>	<u>TPQ</u>	<u>Max. %</u>
SARA 302 (Sect. 355, Appendix A):	NONE		
	<u>Categories</u>	<u>Hazards</u>	
SARA 311/312:	IMMEDIATE HEALTH	EYE, SKIN CORROSIVE	
	<u>Material</u>	<u>Max. %</u>	
SARA 313 (40 CFR 372.45):	NONE		
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
0	REACTIVITY (Yellow)	0
	PERSONAL PROTECTION	D
	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.