

MATERIAL SAFETY DATA SHEET

AQUA-FORM 583

SECTION 1:

IDENTIFICATION

Company Name:	QUALICHEM, INC.
Address:	P.O. BOX 926 SALEM, VA 24153
Phone No.	540.375.6700
Fax No.	540.375.3880
Emergency Phone No.	CHEM-TEL 800-255-3924
Date Prepared:	1/16/06
Date Revised:	3/23/09

SECTION 2:

INGREDIENTS

<u>MATERIAL</u>	<u>CAS NO.</u>	<u>%</u>
TRIETHANOLAMINE	102-71-6	10-30

SECTION 3:

HEALTH HAZARDS

Ingestion:	MAY BE TOXIC BY INGESTION.
Inhalation:	NOT A LIKELY ROUTE OF EXPOSURE.
Skin Contact:	PROLONGED CONTACT MAY CAUSE IRRITATION.
Eye Contact:	MAY CAUSE IRRITATION.
Other Information:	NONE 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:	NONE KNOWN. TREAT SYMPTOMS WITH SUPPORTIVE MEASURES.

SECTION 5:

FIRE AND EXPLOSION HAZARD DATA

Flash Point/Method:	>350°F/ C.C.
Lower Limit in Air:	ND
Upper Limit in Air:	ND
Extinguishing Media:	FOAM, DRY CHEMICAL, CO2, WATER SPRAY OR FOG.
Procedures:	FIREFIGHTERS SHOULD WEAR NORMAL PROTECTIVE EQUIPMENT. SELF-CONTAINED BREATHING APPARATUS SHOULD BE USED IN CONFINED AREAS.
Unusual Hazards:	NONE
Combustion Products:	OXIDES OF CARBON AND NITROGEN MAY BE PRODUCED

SECTION 6:

ACCIDENTAL RELEASE MEASURES

Personal Precautions:	WEAR PERSONAL PROTECTIVE EQUIPMENT AS SPECIFIED IN SECTION 8. SPILLED MATERIAL CAN BE VERY SLIPPERY.
Procedures for Clean-up:	SMALL SPILLS - ABSORB IN SAWDUST OR ANY AVAILABLE ABSORBANT, PLACE RESIDUE IN SUITABLE CONTAINER FOR DISPOSAL. LARGE SPILLS - DIKE OR OTHERWISE CONTAIN LIQUID. ABSORB IN SAWDUST OR ANY AVAILABLE ABSORBANT, PLACE RESIDUE IN A SEALED, LIQUID-PROOF CONTAINER FOR DISPOSAL. CLEAN CONTAMINATED SURFACES WITH WATER OR AQUEOUS CLEANING AGENTS. OBEY ALL FEDERAL, STATE OR LOCAL REGULATIONS.

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SECTION 7:

HANDLING AND STORAGE

Handling:	AVOID EYE AND SKIN CONTACT. DO NOT TAKE INTERNALLY. USE WITH ADEQUATE VENTILATION.
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:	TRIETHANOLAMINE: 5 mg/m ³ (ACGIH, TWA)
Equipment for Personal Protection:	SAFETY GLASSES WITH SIDE SHIELDS AND IMPERMEABLE GLOVES SHOULD BE WORN WHEN HANDLING THE CONCENTRATED PRODUCT. EYEWASH STATION IN AREA OF USE.

SECTION 9:

PHYSICAL AND CHEMICAL PROPERTIES

Appearance:	CLEAR TO SLIGHTLY HAZY AMBER LIQUID.
Odor:	SLIGHT
pH (undiluted):	~7
Specific Gravity:	1.08-1.10
Density:	9.08 lbs./gal.
Solubility in Water:	NEGLIGIBLE
Boiling Point:	>500°F
Percent Volatile:	<25%
Vapor Pressure (mmHg):	N.D.
Vapor Density:	N.D.

SECTION 10:

STABILITY AND REACTIVITY

Stability:	STABLE
Conditions to Avoid:	NONE
Hazardous Polymerization:	STABLE
Incompatibility:	STRONG OXIDIZING AGENTS, ACIDS, OR ALKALIES.
Hazardous Decomposition Products:	OXIDES OF CARBON AND NITROGEN WILL BE PRODUCED BY COMBUSTION.

SECTION 11:

TOXICOLOGICAL INFORMATION

Materials and Tests:	NO TOXICITY STUDIES HAVE BEEN CONDUCTED ON THIS PRODUCT.
Carcinogenicity:	NO COMPONENT OF THIS PRODUCT IS LISTED AS A CARCINOGEN BY IARC, NTP, OR ACGIH.
Sensitization:	NOT A SENSITIZER.
Mutagenicity:	NO COMPONENT OF THIS PRODUCT IS CLASSIFIED AS A MUTAGEN.
Teratogenicity:	NO COMPONENT OF THIS PRODUCT IS CLASSIFIED AS A TERATOGEN.

SECTION 12:

ECOLOGICAL INFORMATION

Ecotoxicity:	NO TOXICITY TESTING HAS BEEN PERFORMED ON THIS PRODUCT.
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SECTION 13:

DISPOSAL CONSIDERATIONS

General Considerations:	THIS PRODUCT WOULD NOT BE CONSIDERED AS A HAZARDOUS WASTE.
Procedures:	DISPOSAL BY USE PREFERRED. DISPOSE OF THIS PRODUCT FOLLOWING ALL FEDERAL, STATE, OR LOCAL REGULATIONS.

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SECTION 14: TRANSPORT INFORMATION

Shipping Name:	NOT REGULATED.
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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):	<u>Material</u>	<u>TPQ</u>	<u>Max. %</u>
SARA 311/312:	<u>Categories</u>	<u>Hazards</u>	
	IMMEDIATE HEALTH	EYE IRRITANT	
SARA 313 (40 CFR 372.45):	<u>Material</u>		<u>Max. %</u>
CWA (40 CFR 401.15):	NONE		
RCRA (40 CFR 261):	NONE		
Notes:	THIS PRODUCT NOT A HAZARDOUS WASTE PER RCRA REGULATIONS.		
OSHA (29 CFR 1910.1200):	ALL COMPONENTS LISTED UNDER THIS STANDARD ARE SHOWN IN SECTION 2 OF THIS MSDS.		
WHMIS (Canada):	CLASS D-2B: MATERIAL CAUSING OTHER TOXIC EFFECTS (TOXIC). THIS PRODUCT HAS BEEN CLASSIFIED IN ACCORDANCE WITH THE HAZARD CRITERIA OF THE CONTROLLED PRODUCTS REGULATIONS AND THE MSDS CONTAINS ALL THE INFORMATION REQUIRED BY THE CONTROLLED PRODUCTS REGULATIONS.		
Inventories:	ALL INGREDIENTS IN THIS PRODUCT ARE LISTED IN TSCA AND DSL (CANADA) INVENTORIES.		

SPECIAL STATE REGULATIONS

<u>STATE</u>	<u>INGREDIENT</u>	<u>REGULATORY DESIGNATION</u>
MA, PA, MN	TRIETHANOLAMINE	RIGHT TO KNOW

SECTION 16 OTHER INFORMATION

SUGGESTED HAZARD RATINGS

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

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

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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.

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