

**MATERIAL
SAFETY
DATA
SHEET**

NFPA Designation 704

DEGREE OF HAZARD
4 = EXTREME
3 = HIGH
2 = MODERATE
1 = SLIGHT
0 = INSIGNIFICANT

FLAMMABILITY	0
HEALTH	1
REACTIVITY	0
SPECIAL HAZARD	

Boiler Chemical 1595

SECTION I: IDENTIFICATION

Effective Date: 11/1/01
 Name and Address: QualiChem Technologies
 885 Woodstock Rd
 Roswell, GA 30075

Revised: 11/22/04
 Phone: (800) 658-7716
 Emergency Phone: CHEMTEL (800) 255-3924

Chemical Name: NOT APPLICABLE
 Synonyms: N.A.
 Shipping Name: COMPOUNDS, WATER TREATMENT, LIQUID, N.O.S.
 D.O.T. Hazard Class: NONE

Formula: SEE SECTION II
 Chemical Family: BOILER WATER TREATMENT
 Code No. NONE

SECTION II: INGREDIENTS

A. Hazardous Ingredients	%	TLV
NONE		
B. Other Ingredients	%*	TLV
SODIUM PHOSPHATES	H	NONE ESTAB.
CARBOXYLATED COPOLYMERS	M	NONE ESTAB.

*Legend: L=<1%; M=1-10%; H=>10%

SECTION III: PHYSICAL PROPERTIES

Boiling Point: >212°F
 Percent Volatile (volume): >70
 Vapor Pressure (mm Hg): N.A.
 Vapor Density (air=1): <1
 Appearance and Odor: CLEAR LIQUID WITH PRACTICALLY NO ODOR

Specific Gravity: 1.11-1.13
 pH (undiluted): <8
 Solubility in Water: COMPLETE
 Evaporation Rate (water=1): 1.0

SECTION IV: FIRE AND EXPLOSION HAZARD DATA

Flash Point (method used): NONE
 Flammable Limits in Air (lower): N.A. (upper): N.A.
 Extinguishing Media: WATER OR ANY MEDIA SUITABLE FOR THE SURROUNDING FIRE.
 Special Fire Fighting Procedures: FIREFIGHTERS SHOULD WEAR NORMAL PROTECTIVE EQUIPMENT. SELF-CONTAINED BREATHING APPARATUS IS RECOMMENDED FOR CONFINED AREAS.
 Unusual Fire or Explosion Hazards: NONE

SECTION V: HEALTH HAZARD DATA

A. TLV and Source: CALCULATED >200ppm BASED ON THE Na₂O CONTENT.
 B. Effects of a Single Overexposure by
 1. Ingestion: MAY BE TOXIC BY INGESTION. DO NOT TAKE INTERNALLY.
 2. Inhalation: NOT A LIKELY ROUTE OF EXPOSURE.
 3. Skin Contact: PROLONGED CONTACT MAY CAUSE IRRITATION.

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4. Eye Contact: CAUSES IRRITATION.
C. Effects of Repeated Overexposures: OTHER THAN ACUTE EFFECTS, NONE KNOWN.
D. Emergency and First Aid Procedures for
1. Ingestion: DRINK SEVERAL GLASSES OF WATER AND GET IMMEDIATE MEDICAL ATTENTION. DO NOT INDUCE VOMITING.
2. Inhalation: REMOVE VICTIM TO FRESH AIR. IF NOT BREATHING, GIVE ARTIFICIAL RESUSCITATION. GET IMMEDIATE MEDICAL ATTENTION.
3. Skin Contact: WASH WITH SOAP AND WATER OR PLAIN WATER.
4. Eye Contact: IMMEDIATELY FLUSH WITH CLEAR WATER FOR 15 MINUTES AND IF IRRITATION PERSISTS, GET MEDICAL ATTENTION.

SECTION VI: =====PERSONNEL PROTECTION DATA=====

Respiratory Protection: NOT NORMALLY REQUIRED

Ventilation: NORMAL VENTILATION SATISFACTORY

Protective Gloves: OPTIONAL

Eye Protection: GOGGLES OR FACE SHIELD

Other Protective Equipment: EYEWASH STATION IN AREA OF USE.

SECTION VII: =====REACTIVITY DATA=====

A. Product Stability: STABLE

Conditions

to Avoid: NONE

B. Incompatibility: CONCENTRATED ACIDS OR OXIDIZING AGENTS

C. Hazardous Combustion or

Decomposition Products: OXIDES OF CARBON, NITROGEN, SULFUR AND PHOSPHOROUS
MAY BE RELEASED IF WATER IS EVAPORATED BY THE HEAT
OF A FIRE.

D. Hazardous

Conditions

Polymerization: WILL NOT OCCUR to Avoid: NONE

SECTION VIII: =====ENVIRONMENTAL DATA=====

A. Spill or Leak

Procedures: SMALL SPILLS MAY BE FLUSHED WITH COPIOUS QUANTITIES OF WATER,
PREFERABLY TO A SANITARY SEWER OR WASTE TREATMENT FACILITY.
LARGER SPILLS MAY BE ABSORBED IN SAWDUST OR OTHER ABSORBENT
AND SWEEPINGS DISPOSED OF IN AN APPROVED LANDFILL.

B. Waste Disposal: SMALL QUANTITIES MAY BE DILUTED WITH WATER AND FLUSHED TO A
SANITARY SEWER. LARGER QUANTITIES MAY BE BURIED IN AN
APPROVED LANDFILL. HOWEVER, OBEY ALL FEDERAL, STATE OR LOCAL
REGULATIONS.

C. Other Environmental Data: CALCULATED AQUATIC TOXICITY FOR THE PRODUCT
>500ppm BASED ON THE MOST TOXIC INGREDIENT
KNOWN IN THE PRODUCT.

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SECTION IX: =====SPECIAL PRECAUTIONS=====

- A. Handling and Storage: STORE IN A COOL DRY PLACE. KEEP CONTAINERS TIGHTLY CLOSED WHEN NOT IN USE.
- B. Other Precautions: THIS PRODUCT HAS BEEN DESIGNED FOR USE IN SPECIFIC TYPES OF BOILER WATER SYSTEMS AND SHOULD BE USED ONLY IN ACCORDANCE WITH THE INSTRUCTIONS PROVIDED BY THE TECHNICAL REPRESENTATIVE SERVICING THE FACILITY. THE PRODUCT CONTAINS ONLY INGREDIENTS APPROVED FOR USE IN BOILERS WHERE STEAM CONTACTS FOOD OR EDIBLE PRODUCTS.

SECTION X: =====REGULATORY INFORMATION=====

The following regulations are known to apply to the use and disposal of this product. Additional Federal, State and Local regulations may also be applicable.

CERCLA (Comprehensive Environmental Response, Compensation and Liability Act):
Unless listed below, this product does not contain greater than 0.1% of any listed hazardous substance(s) - 40 CFR 302.4.

<u>SUBSTANCE</u>	<u>AMOUNT (Lbs/Gal)</u>
NONE	

SARA (Superfund Amendments and Reauthorization Act):
Unless listed below, this product does not contain greater than the reportable amounts of toxic chemicals as defined under the various regulations under SARA.

Section 302: Extremely Hazardous Substances List - 40 CFR 355, Appendix A

<u>SUBSTANCE</u>	<u>AMOUNT (Lbs/Gal)</u>
NONE	

Section 311/312: This product falls in the following categories.

<u>CATEGORY</u>	<u>HAZARD</u>
IMMEDIATE HEALTH	EYE IRRITANT

Section 313: Toxic Chemicals List - 40 CFR 372.65

<u>SUBSTANCE</u>	<u>AMOUNT (Lbs/Gal)</u>
NONE	

RCRA (Resource Conservation and Recovery Act):
Unless shown below, all components of this product listed as a hazardous waste under 40 CFR 261 are listed elsewhere in this MSDS. However, prior to disposal of the neat product, applicable regulatory agencies should be consulted.

<u>SUBSTANCE</u>	<u>AMOUNT (Lbs/Gal)</u>
NONE	

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CWA (Clean Water Act):

Unless shown below, all components in this product at greater than 0.1% which are listed under 40 CFR 401.15, are listed elsewhere in this MSDS.

<u>SUBSTANCE</u>	<u>AMOUNT (Lbs/Gal)</u>
NONE	

OSHA (Hazard Communication Standard):

All components listed under this standard 29 CFR 1910.1200 are listed in Section II of this MSDS.

TSCA (Toxic Substances Control Act):

All ingredients in this product are listed in the TSCA inventory.

STATE REGULATIONS

CALIFORNIA (Safe Drinking Water and Toxic Enforcement Act - Proposition 65):

The following chemicals and associated hazard are listed:

<u>SUBSTANCE</u>	<u>HAZARD</u>
NONE	

OTHER STATES: Certain states maintain their own ingredients lists which differ slightly from the Federal standards. States listed below have regulations on ingredients contained in this product. However, unless shown below, other sections of this MSDS contain the required reporting information.

<u>STATE</u>	<u>ADDITIONAL INGREDIENTS</u>	<u>AMOUNT (Lbs/Gal)</u>
NONE		

Prepared By: Environmental Manager

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.