SAFETY DATA SHEET

CWT 3231

1 PRODUCT AND COMPANY IDENTIFICATION

Product Identifier: CWT 3231
Common Name: Mixture
SDS Number: 0047
Product Code: CT0012
Revision Date: 6/28/2019
Version: 1
Product Use: Cooling Water Treatment

Supplier Details: U.S. Water, a Kurita company
12270 43rd St. NE
St. Michael, MN 55376

Contact: Non-emergency #: 866-663-7632
Email: SDS@uswaterservices.com
Web: www.uswaterservices.com

EMERGENCY RESPONSE: (ChemTel)
US & Canada: 800-255-3924
International: +01-813-248-0585

2 HAZARDS IDENTIFICATION

Classification of the Substance or Mixture

GHS Classification in Accordance with 29 CFR 1910 (OSHA HCS):

Health, Skin corrosion/irritation, 1 B
Health, Serious Eye Damage/Eye Irritation, 1
Health, Acute toxicity, 5 Oral

GHS Label Elements, Including Precautionary Statements

GHS Signal Word: DANGER

GHS Hazard Pictograms:

GHS Hazard Statements:

H314 - Causes severe skin burns and eye damage
H318 - Causes serious eye damage
H303 - May be harmful if swallowed

GHS Precautionary Statements:

P281 - Use personal protective equipment as required.
P302+352 - IF ON SKIN: Wash with soap and water.
P305+351+338 - IF IN EYES: Rinse continuously with water for several minutes. Remove contact lenses if present and easy to do. Continue rinsing.
P304+341 - IF INHALED: If breathing is difficult, remove victim to fresh air and keep at rest in a position comfortable for breathing.
P301+330+331 - IF SWALLOWED: Rinse mouth. Do NOT induce vomiting. Seek medical attention.
P314 - Get Medical advice/attention if you feel unwell.

Hazards not Otherwise Classified (HNOC) or not Covered by GHS

PPE recommendation is advisory only and based on typical use conditions. An industrial hygienist or safety officer familiar with the specific situation of anticipated use must determine actual PPE required when using this product (29 CFR 1910.132)

3 COMPOSITION/INFORMATION OF INGREDIENTS

Concentration values are expressed in (weight % / weight %)

Chemical Ingredients:		
CAS#	%	Chemical Name:
1310-73-2	2-4	Sodium hydroxide
7631-95-0	5-10	Sodium Molybdate (Molybdic acid, disodium salt)
95-14-7	2-4	1H-Benzotriazole
1303-96-4	2-4	Borates, tetra, sodium salts (decahydrate)

4 FIRST AID MEASURES

Inhalation: Remove from contamination. If symptoms persist, seek medical attention.
Skin Contact: Wash off with soap and plenty of water. Consult a physician if irritation develops.
Eye Contact: Flush eyes with plenty of running water for 15 minutes. Seek medical attention.
Ingestion: If conscious, give plenty of water. If discomfort or other symptoms develop, seek medical attention. Do not induce vomiting unless directed to do so by medical personnel.
Most important symptoms & effects (acute & delayed)**:** No data available
Indication of need for immediate medical attention: No data available
Special treatment needs: No data available

5 FIRE FIGHTING MEASURES

Flammability: Not flammable
Flash Point: None
Flash Point Method: Not applicable
Burning Rate: No data available
Autoignition Temp: No data available
LEL: Not applicable
UEL: Not applicable

Extinguishing Media:

Suitable: Use extinguishing media suitable for surrounding fire.

Unsuitable: No information available

Hazardous combustion products: Unknown but carbon monoxide may be released on burning.

Unusual Fire or Explosion Hazards: None known other than material can splatter above 100°C (212°F)

Special protective equipment/precautions: Wear self-contained breathing apparatus

6 ACCIDENTAL RELEASE MEASURES

Personal Precautions, Protective equipment, emergency procedures: Avoid contact with the material. See section 8 of SDS for PPE recommendations
Environmental Precautions: Keep runoff from entering drains or waterways
Spill/Leak procedures: Contain spill or leak. Dike area if necessary to prevent spill from spreading or entering sewers and waterways. Recover as much as possible then absorb remainder with inert material. Place into closed container for disposal.
Regulatory Requirements: Dispose of recovered material in accordance with all applicable state and federal regulations.

7 HANDLING AND STORAGE

Handling Precautions: Avoid contact with eyes, skin, or clothing. Do not taste or swallow. Do not inhale vapor or mist. Use with adequate ventilation. For industrial use only!

Storage Requirements: Store in closed containers away from temperature extremes and incompatible materials (strong acids, bases, oxidizers, flammables or any other type of reactive material). Store in properly labeled containers in accordance with all local, state and federal guidelines.

8 EXPOSURE CONTROLS/PERSONAL PROTECTION

Engineering Controls: Provide local exhaust ventilation as needed to control misting.

Personal Protective Equipment:

Respiratory protection: If needed use MSHA/NIOSH approved respirator. Seek professional advice prior to respirator selection and use. Follow all requirements of OSHA respirator regulations (29 CFR 1910.134)
Safety Stations: Make emergency eyewash stations, safety/quick-drench showers, and washing facilities available in work area.
General Hygiene: Never eat, drink, or smoke in work areas. Practice good personal hygiene after using this material, especially before eating, drinking, using the toilet, or applying cosmetics.
PPE recommendation is advisory only and based on typical use conditions. An industrial hygienist or safety officer familiar with the specific situation of anticipated use must determine actual PPE required when using this product (29 CFR 1910.132)

Exposure Limits:	Molybdenum Compounds	Borates	Sodium Hydroxide
OSHA (TWA)/PEL):	5 mg/m^3	2 mg/m^3	NE
ACGIH (TWA/TLV):	5 mg/m^3	NE	NE
NIOSH (REL):	NE	NE	2 mg/m^3 (ceiling)

9 PHYSICAL AND CHEMICAL PROPERTIES

Appearance:	Light amber		
Physical State:	Liquid	**Odor:**	Slight
Odor Threshold:	Not determined	**Solubility:**	Complete in water
Spec Grav./Density:	1.09 / 9.17 lb/gal	**Percent Volatile:**	~90%
Viscosity:	Not determined	**Freezing/Melting Pt.:**	-5°C / 23°F
Boiling Point:	~100°C / ~212°F	**Flash Point:**	None
Partition Coefficient:	Not determined	**Vapor Density:**	Same as water
Vapor Pressure:	Same as water	**Auto-Ignition Temp:**	Not determined
pH:	12-13	**UFL/LFL:**	Not determined
Evap. Rate:	1.00		
Decomp Temp:	Not determined		

10 STABILITY AND REACTIVITY

Chemical Stability: Product is stable under normal storage and use conditions.
Conditions to Avoid: Avoid temperature extremes. Protect from freezing
Materials to Avoid: Avoid contact with strong acids, strong alkalies, oxidizers, or any ohter type of reactive material.
Hazardous Decomposition: There are no known hazardous decomposition products for this material unless the material is burned in which case undetermined evolution of toxif gases may occur.
Hazardous Polymerization: Will not occur.

11 TOXICOLOGICAL INFORMATION

Acute Toxicity: No data available
Skin Corrosion/Irritation: Irritating
Serious eye damage/irritation: May cause eye damage
Respiratory or skin sensitization: No data available
Specific target organ toxicity (single exposure): No data available
Specific target organ toxicity (repeated exposure): No data available
Aspiration hazard: No data available
Carcinogenicity: No carcinogenic effects are known for the components of this product
Germ Cell Mutagenicity: No mutagenic effects are known for the components of this product
Teratogenicity: No teratogenic effects are known for the components of this product

12 ECOLOGICAL INFORMATION

Aquatic Toxicity

Fathead Minnow:	Acute	LC_{50} 96 hr	5700 mg/L
Daphnia magna:	Acute	LC_{50} 48 hr	7600 mg/L
Ceriodaphnia dubia:	Chronic	IC_{25} 48 hr	2290 mg/L

Elimination (persistency & degradability): No data available
Bioaccumulative potential: No data available
Mobility in soil: No data available
Other adverse effects: No data available

13 DISPOSAL CONSIDERATIONS

Dispose of in accordance with local regulations.

This material should be fully characterized for toxicity and possible reactivity prior to disposal (40 CFR 261). Use which results in chemical or physical change or contamination may subject it to regulation as a hazardous waste. Along with properly characterizing all waste materials, consult state and local regulations regarding the proper disposal of this material.

Container contents should be completely used and containers should be emptied prior to discard. Container rinsate could be considered a RCRA hazardous waste and must be disposed of with care and in full compliance with federal, state and local regulations. Larger empty containers, such as drums, should be returned to the distributor or to a drum reconditioner. To assure proper disposal of smaller empty containers, consult with state and local regulations and disposal authorities.

14 TRANSPORT INFORMATION

UN1760, Corrosive liquids, n.o.s., (Sodium Hydroxide), 8, PG III

15 REGULATORY INFORMATION

[%] RQ (CAS#) Substance - Reg Codes

[2-4] RQ(1000LBS), Sodium hydroxide (1310-73-2) CERCLA, CSWHS, MASS, OSHAWAC, PA, TSCA, TXAIR

[5-10] Sodium Molybdate (Molybdic acid, disodium salt) (7631-95-0) TSCA

[2-4] 1H-Benzotriazole (95-14-7) TSCA

[2-4] Borates, tetra, sodium salts (decahydrate) (1303-96-4) GADSL, MASS, OSHAWAC, PA, REACH, TSCA, TXAIR

This product does not contain chemicals known to the State of California to cause cancer, birth defects, or other reproductive harm.

Regulatory Code Legend

RQ = Reportable Quantity
CERCLA = Superfund clean up substance
CSWHS = Clean Water Act Hazardous substances
MASS = MA Massachusetts Hazardous Substances List
OSHAWAC = OSHA Workplace Air Contaminants
PA = PA Right-To-Know List of Hazardous Substances
TSCA = Toxic Substances Control Act
TXAIR = TX Air Contaminants with Health Effects Screening Level
GADSL = Global Automotive Declarable Substance List (GADSL)
REACH = REACH List of Substances of Very High Concern (RSL)

TSCA: All components of this product are listed (or are not required to be listed) in the TSCA inventory
EPA / CERCLA / SARA TITLE III: .
Toxic Chemical List (SARA 313): This product does not contain any chemicals subject to routine annual toxic chemical release reporting.
Extremely Hazardous Substance (SARA 302/304): This product does not contain any extremely hazardous substances subject to emergency planning requirements.
SARA 312: Acute
RCRA: Corrosive, D002

16 OTHER INFORMATION

Author: U.S. Water, a Kurita company

Revision Notes: Updated to GHS format

Disclaimer:
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Revision Date: 6/28/2019