

Health	3
Flammability	0
Reactivity	1

Section 1	Identification
------------------	-----------------------

Product Name:	Boiler - 126	Company:	Tower Water
Product Description:	Water Treatment Inhibitor		5 Shirley
Transport Emergency:	Tower Water		Somerset, New Jersey 09973
	800-255-3294		800-669-9636

Section 2	Hazard Identification
------------------	------------------------------

Hazard Classification:	Skin Corrosion, Category 1, Sub-Category B Serious Eye Damage, Category 1 Acute Toxicity, Category 4
Signal Word:	Danger
Hazard Statements:	Causes severe skin burns and eye damage. Causes serious eye damage. Harmful if swallowed.



Precautionary statements	<p>Wash affected body parts thoroughly after handling. Keep out of reach of children. Read label before use. Wear protective gloves. Wear chemical protective clothing. Wear safety goggles Wear face shield. Do not breathe mist/spray. In case of inadequate ventilation, wear respiratory protection. Do not eat, drink or smoke when using this product.</p>
Prevention:	
Response:	<p>If swallowed: Do not induce vomiting. Rinse mouth with water. Give water to drink, if conscious. Immediately call a POISON CENTER or a physician. If on skin (or hair): Wash with plenty of water. For specific treatment (see Section 4). If skin irritation occurs: Get medical advice/attention. Take off contaminated clothing and wash it before reuse. If in eyes: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. If eye irritation persists: Get medical advice/attention. If inhaled: If breathing is difficult, remove person to fresh air and keep comfortable for breathing. If experiencing respiratory symptoms: Call a doctor</p>
Storage:	Store locked up. See Section 7
Disposal:	Dispose of contents/container in accordance with federal, state, and local regulations.

Section 3	Composition/Information on Ingredients	
------------------	---	--

<u>Chemical</u>	<u>CAS Number</u>	<u>Concentration (wt. %)*</u>
Sodium Hydroxide	1310-73-2	3 - 10%
Sodium Nitrite	7632-00-0	20 – 25%
Sodium Diborate Decahydrate	1303-96-4	1 – 5%
Tolyltriazole	64665-57-2	0.5 – 1%
Sodium silicate	1344-09-8	1 – 5%
Hydroxyethylidene Diphosphonic Acid	2809-21-4	0.2 – 1%
Actylic/Sulfonated Copolymer	40623-75-4	1 – 3%
Water	7732-18-5	64 – 86.7%

Section 4	First-Aid Measures	
------------------	---------------------------	--

Eyes:	Remove contact lenses. Hold eyelids apart. Immediately flush eyes with plenty of low-pressure water for at least 15 minutes. Get immediate medical attention.
Skin:	Immediately flush skin with a large amount of soap and water. Remove contaminated clothing and shoes. If irritation persists, get medical attention.
Ingestion:	Do not feed anything by mouth to an unconscious or convulsive victim. Dilute contents of stomach. DO NOT induce vomiting. Immediately contact a physician or Poison Control Center.
Inhalation:	Promptly remove to fresh air. If signs of suffocation, irritation or other symptoms develop, Get medical attention immediately.
Notes to Physician:	Based on the individual reactions of the patient, the physician's judgment should be used to control symptoms and clinical condition.

Section 5	Fire-Fighting Measures	
------------------	-------------------------------	--

As in any fire, wear a self-contained breathing apparatus in pressure-demand MSH/NIOSH (approved or equivalent), and full protective gear. Move container from fire area if possible. Do not scatter spilled material with more water than needed for fire control and dike fire control water for later disposal. Use agents suitable for type of surrounding fire. Avoid breathing hazardous vapors and keep upwind.

Extinguishing Media:	CO2, Water, Foam, or Dry chemical.
Unusual Fire and Explosion Hazard:	Material is a strong oxidizing agent. May combine with various metals (at decomposition) to form further flammable mixtures.
Hazardous combustion products:	Oxides of boron, carbon and nitrogen.

Section 6	Accidental Release Measures	
------------------	------------------------------------	--

	Small Liquid Spill: Contain with absorbent material such as clay or inert absorbent. Shovel reclaimed liquid and absorbent into recovery or salvage drums for disposal. Refer to CERCLA in Section 15.
Spill Response:	Large liquid Spill: Dike to prevent further movement and reclaim into recovery or salvage drums or tank truck for disposal. Refer to CERLA in Section 15. Those responsible for control and recovery should wear the protective equipment specified in Section 8.
	Water contaminated with this product may be sent to a sanitary sewer treatment facility, in accordance with any local agreement, a permitted waste treatment facility or discharged under a permit. Product as is - Incinerate or land dispose in an approved landfill.
Spill Notification:	Determine if federal, state, and/or local release notification is required.

Section 7**Handling and Storage**

Handling:

Wash thoroughly after handling. Remove contaminated clothing and wash before re-use. Avoid contact with eyes, skin and clothing. Empty containers retain product residue (liquid and/or vapor) and can be dangerous. Avoid contact with heat, sparks, and flame. Avoid ingestion and inhalation. Do not pressurize, cut, weld, braze, solder, drill, grind, or expose empty containers to heat, sparks, or open flames.

Contains an oxidizing agent. Avoid all contact with reducing agents, oils, greases, organics and acids. Do not allow to dry.

Storage:

Keep away from heat, sparks, and flames. Store in a cool, dry, well-ventilated area. Do not freeze. Store away from acids and reducing agents. Keep container closed when not in use.

Section 8**Exposure Controls/Personal Protection**Hazardous ComponentsCASOSHA PELACGIH TLV

Sodium Hydroxide

1310-73-2

2 mg/m³ (TWA)2 mg/m³ (STEL)

Sodium Diborate Decahydrate

1303-96-4

N/A

5 mg/m³ (TWA)

Exposure Controls:

Provide local exhaust or general dilution ventilation system. Wear recommended PPE to avoid contact with body parts.

PPE:



Eye Protection:

Wear chemical safety goggles and face shield. Have eye wash stations available where eye contact can occur.

Hand Protection:

Wear gloves impervious to conditions of use including neoprene, natural rubber, Viton and butyl.

Body Protection:

Wear appropriate impervious clothing. Have safety showers available where skin contact can occur.

Respiratory Protection:

If it is possible to generate vapors or mists, a NIOSH approved or equivalent respirator is recommended. For large spills, entry into large tanks, vessels or enclosed small spaces with inadequate ventilations, a positive pressure, self-contained breathing apparatus is recommended.

Section 9**Physical and Chemical Properties**

Appearance:	Clear to Straw Colored Liquid	Melting point/freezing point:	<32°F
Odor:	Slight odor	Initial boiling point and boiling range:	>212°F
Odor threshold:	Not available	Evaporation rate:	Not available
pH:	>12.	Vapor pressure:	Not available
Relative density:	1.328	Vapor density:	Not available
Solubility:	Complete	Partition coefficient:	Not available
Flammability:	Not flammable	Auto-ignition temperature:	Not available
Flash point:	None	Decomposition temperature:	Not available
Upper/lower flammability or explosive limits:	None	Viscosity:	Not available

Section 10**Stability and Reactivity**

Stability:

This material is stable under normal temperatures and pressures. Keep in mind that this is a strong oxidizer and it will react with certain chemicals (see below).

Possibility of hazardous reactions:

Hazardous polymerization will not occur.

Conditions to Avoid:

Avoid contact with reducing agents and organic materials.

Incompatible Materials:

Strong reducing agents, strong acids and organics.

Hazardous Decomposition Products:

Oxides of boron, carbon and nitrogen.

Section 11	Toxicological Information
-------------------	----------------------------------

Symptoms of Overexposure: Acute burns of the skin or eyes and irritation of the same.

Health Hazards:

Eye: Severe irritant to the eyes.

Skin: May cause moderate irritation to the skin.

Inhalation: Mists/aerosols cause irritation to the upper respiratory tract.

Ingestion: Harmful if swallowed, may cause gastrointestinal irritation with possible nausea, vomiting, headache, dizziness, unconsciousness and injury to the kidneys and liver.

Delayed Effects: None known

Chronic Effects: None known

Carcinogen: No ingredients listed on NTP, IARC, or OSHA

Section 12	Ecological Information		
-------------------	-------------------------------	--	--

Components/CAS-No.	Acute Algae Toxicity:	Acute Fish Toxicity:	Toxicity to daphnia and other aquatic invertebrates:
Boiler - 126	No information available.	No information available.	No information available.

Mobility: No information available.

Persistence: No information available.

Bioaccumulative Potential: No information available.

Chemical Fate Information: No information available.

Other Information: No other ecological studies have been carried out on this product.

Section 13	Disposal Considerations
-------------------	--------------------------------

Dispose of in a manner consistent with federal, state, and local regulations.

Whatever cannot be saved for recovery or recycling should be handled as hazardous waste and sent to a RCRA approved waste facility. Processing, use or contamination of this product may change the waste management options. State and local disposal regulations may differ from federal disposal regulations. Dispose of container and unused contents in accordance with federal, state and local requirements.

Section 14	Transport Information
-------------------	------------------------------

DOT Shipping Name: UN 3266, Corrosive liquid, basic, inorganic, n.o.s.
(Sodium Hydroxide)

DOT Hazard Class: 8 – Corrosive

UN Number: UN3266

Packing Group: PGII, ER-154

Section 15**Regulatory Information**

Toxic Substances Control Act (TSCA):	All components are listed on the TSCA Inventory of Chemical Substances.
SARA Section 302 Extremely Hazardous Substances:	No components listed.
SARA Section 311 Hazard Class:	Acute Health
SARA Section 313 Toxic Chemicals:	No components listed.
FD&C Act:	This product is not approved for use in FDA applications
RCRA:	This product is not defined under the Resource and Recovery Act (RCRA)

Section 16**Other Information**

IMPORTANT: The information presented herein, while not guaranteed, was prepared by competent technical personnel and is true and accurate to the best of our knowledge. NO WARRANTY OF MERCHANT ABILITY OR OF FITNESS FOR A PARTICULAR PURPOSE, OR WARRANTY OR GUARANTY OF ANY OTHER KIND, EXPRESS OR IMPLIED, IS MADE REGARDING PERFORMANCE, SUITABILITY, STABILITY OR OTHERWISE. The information included herein is not intended to be all-inclusive as to the appropriate manner and/or conditions of use, handling and/or storage. Factors pertaining to certain conditions of storage, handling, or use of this product may involve other or additional safety or performance considerations. While our technical personnel will be happy to respond to questions regarding safe handling and use procedures, safe handling and use remains the responsibility of the customer. No suggestions for use are intended to, and nothing herein shall be construed as a recommendation to, infringe any existing patents or violate any laws, rules, regulations or ordinances of any governmental entity.

Tower Water urges each customer or recipient of this MSDS to study it carefully and consult appropriate expertise, as necessary or appropriate, to become aware of and understand the data contained in this MSDS and any hazards associated with the product. The information herein is provided in good faith and believed to be accurate as to the effective date shown above. However, no warranty, express or implied, is given. Regulatory requirements are subject to change and may differ between various locations. It is the buyer's/user's responsibility to ensure that his activities comply with all federal, state, provincial or local laws. The information presented here pertains only to the product as shipped. Since conditions for use of the product are not under the control of the manufacturer, it is the buyer's/user's duty to determine the conditions necessary for the safe use of this product.

Revised By: Bruce T. Ketrick Sr.

Revised: 10/16/18

*****End of SDS*****