



FRMBWT4321
FRMBWT43211
FRMBWT432128

FREMONT BWT 4321 Boiler Water Treatment

Product information and identification details including manufacturer and product name.

SECTION 1: Identification of the substance/mixture and of the company/undertaking

- 1.1. Product identifier
1.2. Relevant identified uses of the substance or mixture and uses advised against
1.3. Details of the supplier of the safety data sheet
1.4. Emergency telephone number

SECTION 2: Hazards identification

2.1. Classification of the substance or mixture

Classification (GHS-US)

Classification code: 314

2.2. Label elements

GHS-US labeling



Danger

Detailed hazard description text including classification codes (314, 2, 4, 28, 31, 33, 331, 33, 34, 34, 3, 31, 321, 33, 4, 31) and hazard statements.

2.3. Other hazards

2.4. Unknown acute toxicity (GHS-US)

Unknown acute toxicity information.

FREMONT BWT 4321 Boiler Water Treatment

Product Name: Fremont BWT 4321 Boiler Water Treatment

Product Number: 8-Methacrylate-2-2-12-R-20000000

6.4. Reference to other sections

See other sections for information

SECTION 7: Handling and storage

7.1. Precautions for safe handling

Use appropriate personal protective equipment.

Do not breathe dusts, mists, or vapors. Avoid contact with eyes, skin, and clothing. Wash thoroughly with soap and water after use. Store in original container and keep tightly closed. Do not mix with other chemicals. Use only in well-ventilated areas.

7.2. Conditions for safe storage, including any incompatibilities

Store in a cool, dry place.

Keep away from heat, fire, and direct sunlight. Do not store in plastic containers. Do not mix with acids or other incompatible materials.

Do not use damaged containers.

Do not use if the container is leaking or damaged.

7.3. Specific end use(s)

For use as a boiler water treatment chemical.

SECTION 8: Exposure controls/personal protection

8.1. Control parameters

Potassium hydroxide (1310-58-3)	
Occupational exposure limit (OSHA PEL) - Ceiling	2 mg/m ³
Occupational exposure limit (OSHA PEL) - TWA	2 mg/m ³

8.2. Exposure controls

Use engineering controls to minimize exposure.

Use appropriate personal protective equipment.

Follow the instructions on the Safety Data Sheet (SDS) for handling and use.



Use respiratory protection.

Use appropriate respiratory protection.

Use eye protection.

Use appropriate eye and face protection. Wear protective gloves and clothing.

Use appropriate body protection.

Use appropriate body protection.

Respiratory protection is required.

Respiratory protection is required for all operations. Use appropriate respiratory protection.

SECTION 9: Physical and chemical properties

9.1. Information on basic physical and chemical properties

Appearance:

White powder

Color:

White powder

Odor:

Odorless

Density (at 20°C):

1.20 g/cm³ (approx.)

Boiling point:

1200°C (approx.)

Freezing point (at 1 atm):

1200°C (approx.)

Melting point:

1200°C (approx.)

Flash point:

Not applicable

Boiling range:

1200°C (approx.)

Film boiling point:

1200°C (approx.)

Self-heating temperature:

1200°C (approx.)

Decomposition temperature:

1200°C (approx.)

First aid:

See first aid section

Respiratory irritant (at 2 ppm):

Yes

Respiratory irritant (at 10 ppm):

Yes

Eye irritant:

Yes

Skin irritant:

Yes

Health hazard:

Yes

Environmental:

Yes

FREMONT BWT 4321 Boiler Water Treatment

Product Name: Fremont BWT 4321 Boiler Water Treatment

Product Code: 8M212R
 Revision: R1

1.1. Product name	1.2. CAS number
1.3. Molecular weight	1.4. Density
1.5. Boiling point	1.6. Melting point
1.7. Vapor pressure	1.8. Flash point
1.9. Solubility	1.10. Log P

9.2. Other information

Other information

SECTION 10: Stability and reactivity

10.1. Reactivity

Reactivity information

10.2. Chemical stability

Chemical stability information

10.3. Possibility of hazardous reactions

Possibility of hazardous reactions

10.4. Conditions to avoid

Conditions to avoid

10.5. Incompatible materials

Incompatible materials

10.6. Hazardous decomposition products

Hazardous decomposition products

SECTION 11: Toxicological information

11.1. Information on toxicological effects

Toxicological effects information

Potassium hydroxide (1310-58-3)

Product Name: Potassium hydroxide (1310-58-3)	214
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Toxicological information for Potassium hydroxide (1310-58-3)

1.1. GHS hazard statements: H314, H332, H336

1.2. GHS precautionary statements: P273, P301+P312, P302+P352, P303+P361+P353, P304+P340, P305+P351+P338, P308+P313

1.3. GHS pictograms: GHS05, GHS07, GHS09

1.4. GHS signal words: Danger

1.5. GHS hazard classes: Acute Tox. 4, Irrit. 2, Skin Corr. 1B

1.6. GHS hazard codes: H410, H302, H332, H336

1.7. GHS hazard categories: Acute Tox. 4, Irrit. 2, Skin Corr. 1B

1.8. GHS hazard classes: Acute Tox. 4, Irrit. 2, Skin Corr. 1B

1.9. GHS hazard codes: H410, H302, H332, H336

1.10. GHS hazard categories: Acute Tox. 4, Irrit. 2, Skin Corr. 1B

1.11. GHS hazard codes: H410, H302, H332, H336

1.12. GHS hazard categories: Acute Tox. 4, Irrit. 2, Skin Corr. 1B

1.13. GHS hazard codes: H410, H302, H332, H336

1.14. GHS hazard categories: Acute Tox. 4, Irrit. 2, Skin Corr. 1B

1.15. GHS hazard codes: H410, H302, H332, H336

1.16. GHS hazard categories: Acute Tox. 4, Irrit. 2, Skin Corr. 1B

SECTION 12: Ecological information

12.1. Toxicity

Toxicity information

12.2. Persistence and degradability

FREMONT BWT 4321 Boiler Water Treatment

Persistence and degradability information

12.3. Bioaccumulative potential

Bioaccumulative potential information

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Revised Form R 8/12/12

12.4. Mobility in soil

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12.5. Other adverse effects

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SECTION 13: Disposal considerations

13.1. Waste treatment methods

Waste treatment methods: ☐

Waste disposal methods: ☐

SECTION 14: Transport information

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14.1. UN number

Transportation name: ☐
 UN number: ☐
 Hazard class: ☐

14.2. UN proper shipping name

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14.3. Additional information

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Overland transport

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Transport by sea

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Air transport

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SECTION 15: Regulatory information

15.1. US Federal regulations

FREMONT BWT 4321 Boiler Water Treatment	
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Potassium hydroxide (1310-58-3)	
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Revision 1.0
Revised 08/01/2012

15.2. International regulations

CANADA

Potassium hydroxide (1310-58-3)

Revised 08/01/2012

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15.2.2. National regulations

Potassium hydroxide (1310-58-3)

Revised 08/01/2012

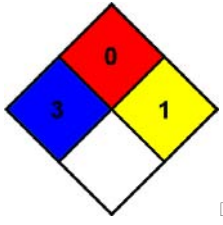
15.3. US State regulations

Potassium hydroxide (1310-58-3)

Revised 08/01/2012

SECTION 16: Other information

Revised 08/01/2012



Revised 08/01/2012

HMIS III Rating

Revised 08/01/2012

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