

SAFETY DATA SHEET

aE2420

Revision date: 01/06/2015

Revision No: 8

SECTION 1: IDENTIFICATION OF THE SUBSTANCE/MIXTURE AND OF THE COMPANY/

UNDERTAKING

1.1. Product Identifier:

Product Name: aE2420

1.2. Relevant identified uses of the substance or mixture and uses advised against

Identified uses: Boiler water treatment. Phosphate/polymer blend. For industrial water treatment use only

1.3. Details of the supplier of the safety data sheet

Company Name: Anker Elemental Limited
Unit 16, Hammond Business Centre
Attleborough Fields Industrial Estate
Hammond Close
Nuneaton
Warwickshire
CV11 6RY
Tel: 02476 939 910
Email: ian@ankerelemental.co.uk

1.4. Emergency telephone number

Emergency No: 02476 939 910 (Office hours only)
National Chemical Emergency Centre - 01865 407333

SECTION 2: HAZARDS IDENTIFICATION

2.1. Classification of the substance or mixture

Physical hazards

Not Classified

Health hazards

Not Classified

Environmental hazards

Not Classified

2.2. Label Elements

Hazard Statements

NC - Not classified

Precautionary Statements

P302+P352 IF ON SKIN: Wash with plenty of water.
P305+P351+P338 IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.
P308+P313 IF exposed or concerned: Get medical advice/attention.
P403+P235 Store in a well-ventilated place. Keep cool.
P401 Store in accordance with national regulations.
P501 Dispose of contents/container in accordance with national regulations.

Supplemental label information

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RCH002b For professional users only.

2.3. Other Hazards

Not applicable.

SECTION 3: COMPOSITION/INFORMATION ON INGREDIENTS

3.2. Mixtures

Composition comments:

This section only includes details of hazardous components., This product does not contain any hazardous ingredients, or ingredients with national workplace exposure limits., All constituents are FDA approved for steam boiler water treatment.

SECTION 4: FIRST AID MEASURES

4.1. Description of first aid measures

Inhalation

Move affected person to fresh air at once. Rinse nose and mouth with water. Get medical attention if any discomfort continues.

Ingestion

Never give anything by mouth to an unconscious person. Do not induce vomiting. Rinse mouth thoroughly with water. Get medical attention if any discomfort continues.

Skin contact

Remove affected person from source of contamination. Remove contaminated clothing. Wash skin thoroughly with soap and water. Get medical attention if any discomfort continues.

Eye contact

Remove any contact lenses and open eyelids wide apart. Remove any contact lenses and open eyelids wide apart. Continue to rinse for at least 15 minutes. Continue to rinse for at least 15 minutes. Get medical attention if any discomfort continues.

4.2. Most important symptoms and effects, both acute and delayed

General information

None noted, however, the casualty should be transferred to hospital if any unusual adverse symptoms develop

4.3. Indication of any immediate medical attention and special treatment needed

No specific first aid measures noted.

SECTION 5: FIRE-FIGHTING MEASURES

5.1. Extinguishing media

This product is not flammable. Use fire-extinguishing media appropriate for surrounding materials.

5.2. Special hazards arising from the substance or mixture

Specific hazards

No unusual fire or explosion hazards noted.

Hazardous combustion products

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Oxides of carbon. Thermal decomposition or combustion may liberate carbon oxides and other toxic gases or vapours.

5.3. Advice for fire-fighters

Special Fire Fighting Procedures

No specific fire fighting procedure given.

Protective equipment for fire-fighters

Wear chemical protective suit.

SECTION 6: ACCIDENTAL RELEASE MEASURES

6.1. Personal precautions, protective equipment and emergency procedures

Wear protective clothing as described in Section 8 of this safety data sheet.

6.2. Environmental precautions

Avoid release to the environment.

6.3. Methods and material for containment and cleaning up

Stop leak if possible without risk. Absorb in vermiculite, dry sand or earth and place into containers. Flush contaminated area with plenty of water. Avoid the spillage or runoff entering drains, sewers or watercourses.

6.4. Reference to other sections

For waste disposal, see section 13.

SECTION 7: HANDLING AND STORAGE

7.1. Precautions for safe handling

Avoid spilling, skin and eye contact.

7.2. Conditions for safe storage, including any incompatibilities

Store in tightly closed original container in a dry, cool and well-ventilated place. Keep in original container.

7.3. Specific end use(s)

The identified uses for this product are detailed in Section 1.2.

Usage Description

Use as directed by supplier

SECTION 8: EXPOSURE CONTROLS/PERSONAL PROTECTION

8.1. Control parameters

Ingredient Comments

No exposure limits noted for ingredient(s).

8.2. Exposure controls

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Protective equipment



Appropriate engineering controls

Provide adequate ventilation. Avoid inhalation of vapours. Observe any occupational exposure limits for the product or ingredients.

Eye/face protection

Eyewear complying with an approved standard should be worn if a risk assessment indicates eye contact is possible. The following protection should be worn: Chemical splash goggles or face shield.

Hand protection

Chemical-resistant, impervious gloves complying with an approved standard should be worn if a risk assessment indicates skin contact is possible.

Other skin and body protection

Wear appropriate clothing to prevent any possibility of skin contact.

Hygiene measures

Do not smoke in work area. Wash hands at the end of each work shift and before eating, smoking and using the toilet. Wash promptly if skin becomes contaminated. Promptly remove any clothing that becomes contaminated. Use appropriate skin cream to prevent drying of skin. When using do not eat, drink or smoke.

Respiratory protection

Respiratory protection not required.

SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES

9.1. Information on basic physical and chemical properties

| | |
|-------------------|------------------|
| State: | Liquid |
| Colour: | Straw |
| Odour: | Characteristic |
| Solubility: | Soluble in water |
| pH: | circa 7 |
| Relative Density: | 1.08 – 1.20 |

9.2. Other information

Not applicable

SECTION 10: STABILITY AND REACTIVITY

10.1. Reactivity

No specific reactivity hazards associated with this product.

10.2. Chemical stability

Stable under normal ambient temperature conditions.

10.3. Possibility of hazardous reactions

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None. Not relevant.

10.4. Conditions to avoid

Avoid excessive heat for prolonged periods of time.

10.5. Incompatible materials

Materials To Avoid

Strong acids. Strong oxidising substances.

10.6. Hazardous decomposition products

Fire creates: Carbon monoxide (CO). Carbon dioxide (CO₂).

SECTION 11: TOXICOLOGICAL INFORMATION

11.1. Information on toxicological effects

Toxicological information

Low toxicity

Inhalation

Gas or vapour in high concentrations may irritate the respiratory system. Symptoms following overexposure may include the following: Coughing.

Ingestion

May cause discomfort if swallowed.

Skin contact

Liquid may irritate skin.

Eye contact

Vapour or spray in the eyes may cause irritation and smarting.

SECTION 12: ECOLOGICAL INFORMATION

Ecotoxicity

Not regarded as dangerous for the environment.

12.1. Toxicity

Low toxicity

12.2. Persistence and degradability

Not persistent. Expected to degrade in the environment

12.3. Bioaccumulative potential

Does not bioaccumulate

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12.4. Mobility in soil

The product is soluble in water.

12.5. Results of PBT and vPvB assessment

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This product does not contain any PBT or vPvB substances.

12.6. Other adverse effects

The product may contribute to an excessive enrichment of the aquatic environment with nutrients. Contains phosphate.

SECTION 13: DISPOSAL CONSIDERATIONS

General information

Contact a licensed waste disposal company. Dispose of in compliance with local and national regulations.

13.1. Waste treatment methods

Dispose of waste to licensed waste disposal site in accordance with the requirements of the local Waste Disposal Authority

SECTION 14: TRANSPORT INFORMATION

General : The product is not covered by international regulations on the transport of dangerous goods (IMDG, IATA, ADR/RID).

14.1. UN number n/a

14.2. UN proper shipping name n/a

14.3. Transport hazard class(es) n/a

14.4. Packing group n/a

14.5. Environmental hazards

Environmentally hazardous substance/marine pollutant : No.

14.6. Special precautions for user n/a

14.7. Transport in bulk according to Annex II of MARPOL73/78 and the IBC Code n/a

SECTION 15: REGULATORY INFORMATION

15.1. Safety, health and environmental regulations/legislation specific for the substance or mixture

EU legislation

Regulation (EC) No 1907/2006 of the European Parliament and of the Council of 18 December 2006 concerning the Registration, Evaluation, Authorisation and Restriction of Chemicals (REACH) (as amended). Regulation (EC) No 1272/2008 of the European Parliament and of the Council of 16 December 2008 on classification, labelling and packaging of substances and mixtures (as amended).

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15.2. Chemical safety assessment

No chemical safety assessment has been carried out.

SECTION 16: OTHER INFORMATION

Other information:

Key literature references and sources for data

REACH registered substances database Other safety data sheets relevant to individual chemical constituents within this product.

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SDS status Approved.

Risk phrases in full: NC not classified.

Disclaimer:

This information relates only to the specific material designated and may not be valid for such material used in combination with any other materials or in any process. Such information is, to the best of the company's knowledge and belief, accurate and reliable as of the date indicated. However, no warranty, guarantee or representation is made to its accuracy, reliability or completeness. It is the user's responsibility to satisfy himself as to the suitability of such information for his own particular use. This company shall not be held liable for any damage resulting from handling or from contact with the above product.