

SAFETY DATA SHEET

SECTION 1 Identification of the substance or preparation and of the company/undertaking

1.1 Product identifier

- Product Name: Biotek 790
- Datasheet Number: 790

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

- Use of the substance/preparation: Oxidising biocide

1.3 Details of the supplier of the safety data sheet

- Name of Supplier: Western Environmental Ltd
- Address of Supplier: Western House
Owen Road
Britonwood Trading Estate
Knowsley
Merseyside
UK
L33 7YP
- Telephone: +44 (0) 151 546 1000
- Fax: +44 (0) 151 546 5777
- Responsible Person: Dr Joseph Tames\Mr Ken Ward
- Email: joe.tames@westerngroup.co.uk

1.4 Emergency telephone number

- Emergency Telephone: +44 (0) 151 546 1000

SECTION 2 Hazards identification

2.1 Classification of the substance or mixture

Classification according to Directive 67/548/EEC or Directive 1994/45/EC

- CHIP: R34 - Causes burns, R8 - Contact with combustible material may cause fire
- CLP: H272 May intensify fire; oxidiser, Skin corrosion Category 1B H314, Acute aquatic toxicity Category 1 H400, Acute Tox. 4, H302 Harmful if swallowed

2.2 Label elements



- Signal Word: Danger
- Hazard phrases
 - H272 - May intensify fire; oxidiser.
 - H302 - Harmful if swallowed.
 - H314 - Causes severe skin burns and eye damage.
 - H400 - Very toxic to aquatic life.
- Precautionary Phrases
 - P101 - If medical advice is needed, have product container or label at hand.
 - P102 - Keep out of reach of children.
 - P103 - Read label before use.
 - P221 - Take any precaution to avoid mixing with combustibles.
 - P260 - Do not breathe dust/fume/gas/mist/vapours/spray.
 - P280 - Wear protective gloves/protective clothing/eye protection/face protection.
 - P270 - Do not eat, drink or smoke when using this product.
 - P305+P351+P338 - IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.

SECTION 2 Hazards identification (....)

2.3 Other hazards

- EUH031 Contact with acids liberates toxic gas
-

SECTION 3 Composition/information on ingredients

3.1 Substances

- 1-Bromo-3-chloro-5,5dimethylimidazolidine-2,4-dione
CAS Number: 16079-88-21
EC Number: 240-230-0
Categories: Ox. Sol. 1, Skin Corr. 1B, Aquatic Acute 1, Acute Tox. 4
R/H Phrases: R34:Causes burns;R8:Oxidising;H272:May intensify fire, oxidiser;H302:Harmful if swallowed;H314:Causes severe skin burns and eye damage;H400:Very toxic to aquatic life.

3.2 Mixtures

- <Chemical Name>
CAS Number:
EC Number:
Concentration:
Categories:
R/H Phrases:
-

SECTION 4 First aid measures

GENERAL INFORMATION:

Immediately remove any clothing soiled by the product. Symptoms of poisoning may even occur after several hours; therefore medical observation for at least 48 hours after the accident.

4.1 Description of first aid measures

- P304+P341 - IF INHALED: If breathing is difficult, remove victim to fresh air and keep at rest in a position comfortable for breathing.
- P303+P361+P353 - IF ON SKIN (or hair): Remove/Take off immediately all contaminated clothing. Rinse skin with water/shower.
- P305+P351+P338 - IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.
- P301+P330+P331 - IF SWALLOWED: rinse mouth. Do NOT induce vomiting.
- Give plenty of water to drink

4.2 Most important symptoms and effects, both acute and delayed

- No information available

4.3 Indication of any immediate medical attention and special treatment needed

- Treat symptomatically.
-

SECTION 5 Fire-fighting measures

5.1 Extinguishing media

- P370+P378 - In case of fire: use water, carbon dioxide or dry agent for extinction

5.2 Special hazards arising from the substance or mixture

- Smoke from fires is toxic. Take precautions to protect personnel from exposure

5.3 Advice for firefighters

- Wear Gas-tight Suit and Breathing Apparatus
-

SECTION 6 Accidental release measures

SECTION 6 Accidental release measures (....)

6.1 Personal precautions, protective equipment and emergency procedures

- Avoid raising dust
- Ensure adequate ventilation
- Wear protective clothing as per section 8

6.2 Environmental Precautions

- Do not allow to enter public sewers and watercourses
- If contamination of drainage systems or water courses is unavoidable, immediately inform appropriate authorities

6.3 Methods and material for containment and cleaning up

- Sweep or shovel-up spillage and remove to a safe place
- Collect as much as possible in clean container for reuse or disposal
- Ventilate the area and wash spill site after material pick-up is complete

6.4 Reference to other sections

SECTION 7 Handling and storage

7.1 Precautions for safe handling

- P261 - Avoid breathing dust/fume/gas/mist/vapours/spray.
- P402+P404 - Store in a dry place. Store in a closed container.
- P403 - Store in a well-ventilated place.
- Eyewash bottles should be available

7.2 Conditions for safe storage, including any incompatibilities

- S3/14 - Keep in a cool place away from foodstuff
- S3/14 - Keep in a cool place away from combustible material
- S3/14 - Keep in a cool place away from reducing agents

7.3 Specific end use(s)

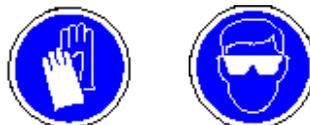
- No information available
-

SECTION 8 Exposure controls/personal protection

8.1 Control parameters

Select PPE appropriate for the operations taking place; taking into account the product properties.

8.2 Exposure controls



- Wear suitable protective clothing, including eye/face protection and gloves (PVC are recommended)
-

SECTION 9 Physical and chemical properties

9.1 Information on basic physical and chemical properties

- Appearance: Whitish solid
 - Odour: Chlorine-like
 - pH: Not applicable
 - Melting point/Range: 159 deg C
 - Freezing point/Range: Not applicable
 - Boiling Point/Range: Undetermined
 - Flammability: Non-combustible solid
 - Specific Gravity: Specific gravity 0.96 g/cm³
-

SECTION 9 Physical and chemical properties (....)

- Solubility in water: Slightly soluble
- Oxidising Properties: Oxidising solid

9.2 Other information

SECTION 10 Stability and reactivity

10.1 Reactivity

- No information available

10.2 Chemical stability

- Stable under normal conditions.

10.3 Possibility of hazardous reactions

- No hazardous reactions known if used for its intended purpose

10.4 Conditions to avoid

- No further relevant information available.

10.5 Incompatible materials

- Strong acids, reducing agents, strong oxidising agents, strong bases.

10.6 Hazardous Decomposition Products

- Decomposition products may include hydrogen halides
-

SECTION 11 Toxicological information11.1 Information on toxicological effects

SECTION 12 Ecological information

12.1 Toxicity

- No information available

12.2 Persistence and degradability

- No information available

12.3 Bioaccumulation Potential

- Bioaccumulation is insignificant

12.4 Mobility in soil

- No information available

12.5 Results of PBT and vPvB assessment

- Not a PBT according to REACH Annex XIII

12.6 Other Adverse Effects

- Very toxic to aquatic organisms
-

SECTION 13 Disposal considerations

Waste is classified as hazardous waste. Disposal to licensed waste disposal site in accordance with the local Waste Disposal Authority.

13.1 Waste treatment methods

- Do not reuse empty containers without commercial cleaning or reconditioning
-

SECTION 14 Transport information

SECTION 14 Transport information (....)

14.1 UN Number

- UN No.: 3085

14.2 UN Proper Shipping Name

- Proper Shipping Name: OXIDISING SOLID, CORROSIVE, N.O.S.

14.3 Transport hazard class(es)

- Hazard Class: 5.1+8

14.4 Packing group

- Packing Group: II

14.5 Environmental hazards

- Marine pollutant
- Labelling according to 5.2.1.8 ADR Fish and tree

14.6 Special precautions for user

Warning: Oxidising substance.

14.7 Transport in bulk according to Annex II of MARPOL 73/78 and the IBC code

- Not applicable
-

SECTION 15 Regulatory information

A chemical safety assessment has not been carried out.

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

- Occupational restrictions: Take note of Dir 92/85/EEC on the safety and health of pregnant workers at work and of Dir 94/33/EEC on the protection of young people at work

15.2 Chemical Safety Assessment

- A chemical safety assessment (CSA) for this product has not yet been completed
-

SECTION 16 Other information

The above information is believed to be correct but does not purport to be all inclusive and shall be used only as a guide. The information in this document is based on the present state of our knowledge and is applicable to the product with regards to appropriate safety precautions. It does not represent any guarantee of the properties of the product. Western Environmental Ltd and its affiliates shall not be held liable for any damage resulting from handling or from contact with the above product.