

BWT SH-4001

A material safety data sheet is not mandatory for this product according to the article 31 of REGULATION 1907/2006 OF THE EUROPEAN PARLIAMENT AND OF THE COUNCIL. It has been written voluntarily according to article 32 of that Regulation.

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

1.1. Product identifier

Trade name : BWT SH-4001.

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

Use : Water and process additives (Treatment of steam and heating systems)
Industrial. For professional use only.

1.3. Details of the supplier of the safety data sheet

Company identification : BWT France
103, Rue Charles Michels
93206 SAINT-DENIS CEDEX
Tel : +33 1 49 22 45 00
Fax : +33 1 49 22 46 50

E-mail address of the competent person responsible for the Safety Data Sheet : msds@bwt.fr

1.4. Emergency telephone number

Emergency phone nr : UK : 999
France : +33 1 45 42 59 59 (Orfila)

SECTION 2: Hazards identification

2.1. Classification of the substance or mixture

This product is not classified as a "hazardous mixture" according to European Community regulations.

Classification EC 67/548 or EC 1999/45

None.

2.2. Label elements

Labelling EC 67/548 or EC 1999/45

Symbol(s) : None.
R Phrase(s) : None.
S Phrase(s) : None.

2.3. Other hazards

None under normal conditions.

SECTION 3: Composition/information on ingredients

Components : This product does not contain hazardous components.

SECTION 4: First aid measures

4.1. Description of first aid measures

- Inhalation : Remove victim to fresh air.
Keep victim warm and rested.
In case of respiratory arrest, administer artificial respiration.
Unconsciousness. Place the victim in the recovery position.
If you feel unwell, seek medical advice.

- Skin contact : Remove contaminated clothing and shoes.
Wash skin with mild soap and water.
Seek medical attention if irritation develops.

- Eye contact : In case of contact with eyes, rinse immediately with plenty of water.
Seek medical attention if irritation develops.

- Ingestion : Never give anything by mouth to an unconscious person.
Rinse mouth.
Obtain medical attention.

BWT SH-4001

SECTION 4: First aid measures (continued)

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

No data available.

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

No additional medical information found.

SECTION 5: Fire-fighting measures

5.1. Extinguishing media

Extinguishing media : Carbon dioxide.
Foam.
Water spray.

5.2. Special hazards arising from the substance or mixture

Specific hazards : Thermal decomposition generates : Carbon monoxide. Carbon dioxide. Nitrogen oxides.

5.3. Advice for fire-fighters

Protection against fire : Do not enter fire area without proper protective equipment, including respiratory protection.
Special procedures : Exercise caution when fighting any chemical fire.
Avoid (reject) fire-fighting water to enter environment.
Surrounding fires : Use water spray or fog for cooling exposed containers.

SECTION 6: Accidental release measures

6.1. Personal precautions, protective equipment and emergency procedures

Personal precautions : Equip cleanup crew with proper protection.
Evacuate and limit access.
Avoid contact with skin and eyes.

6.2. Environmental precautions

Environmental precautions : Prevent entry to sewers and public waters.
Notify authorities if product enters sewers or public waters.

6.3. Methods and material for containment and cleaning up

Clean up methods : Clean up any spills as soon as possible, using an absorbent material to collect it.
Dilute residues and flush.
Recover the cleaning water for later disposal.
Use suitable disposal containers.

6.4. Reference to other sections

See Heading : 8-13

SECTION 7: Handling and storage

7.1. Precautions for safe handling

General : Avoid all unnecessary exposure.
Handling : Handle in accordance with good industrial hygiene and safety procedures.
Ensure prompt removal from eyes, skin and clothing.
Wash hands and other exposed areas with mild soap and water before eat, drink or smoke and when leaving work.

7.2. Conditions for safe storage, including any incompatibilities

Storage : Store in dry, cool, well-ventilated area.
Keep container tightly closed.
Keep at temperature between 5 °C and 35 °C
Keep away from food, drink and animal feeding stuffs.
Storage - away from : Heat
Freezing.

BWT SH-4001

SECTION 7: Handling and storage (continued)

7.3. Specific end use(s)

Contact supplier if guidance is required.

SECTION 8: Exposure controls/personal protection

8.1. Control parameters

Exposure controls : There exist no exposure limits for this material.

8.2. Occupational Exposure Limits

Personal protection

- Eye protection : Chemical goggles or safety glasses.
- Skin protection : Wear suitable protective clothing.
- Hand protection : Wear suitable gloves resistant to chemical penetration.
- Respiratory protection : No special respiratory protection equipment is recommended under normal conditions of use with adequate ventilation.
- Thermals hazards : No data available.
- Technical protective measures : Provide local exhaust or general room ventilation to minimize dust and/or vapour concentrations.
- Industrial hygiene : When using, do not eat, drink or smoke.
Wash hands and other exposed areas with mild soap and water before eat, drink or smoke and when leaving work.

SECTION 9: Physical and chemical properties

9.1. Information on basic physical and chemical properties

- Physical state : Liquid.
- Colour : Colourless.
- Odour : Light.
- Odour threshold : No data available.
- pH value : 8,0 ± 0,5 (20°C)
- Freezing point [°C] : 0°C
- boiling point [°C] : No data available.
- Flash point [°C] : > 100°C
- Evaporation rate : No data available.
- Flammability : No data available.
- Explosion limits (lower - upper) : No data available.
- Vapour pressure [20°C] : No data available.
- Relative vapour density (air=1) : No data available.
- Density : 1,03 ± 0,02 (20°C)
- Solubility in water : Complete.
- Partition coefficient : n-octanol / water : Not applicable.
- Auto-ignition temperature [°C] : No data available.
- Decomposition point [°C] : No data available.
- Viscosity at 20°C [mPa.s] : No data available.
- Explosive Properties : No
- Oxidising properties : No

9.2. Other information

Other data : None.

BWT SH-4001

SECTION 10: Stability and reactivity

10.1. Reactivity

None under normal conditions.

10.2. Chemical stability

Stable under normal conditions.

10.3. Possibility of hazardous reactions

None under normal conditions.

10.4. Conditions to avoid

Conditions to avoid : Freezing.

10.5. Incompatible materials

Materials to avoid : Strong acids.

10.6. Hazardous decomposition products

Hazardous decomposition products : No data available.

SECTION 11: Toxicological information

11.1. Information on toxicological effects

Acute toxicity : No data available.

Local effects : None known.

Sensitization : None known.

Repeated dose toxicity : No data available.

Carcinogenicity : No data available.

Mutagenicity : No data available.

Toxicity for reproduction : No data available.

SECTION 12: Ecological information

12.1. Toxicity

No data available.

12.2. Persistence - degradability

No data available.

12.3. Bioaccumulative potential

No data available.

12.4. Mobility in soil

Easily seeps into the soil.

12.5. Results of PBT and vPvB assessment

Not classified.

12.6. Other adverse effects

Ecological effects information : Avoid release to the environment.

SECTION 13: Disposal considerations

13.1. Waste treatment methods

WASTE FROM PRODUCT : Avoid release to the environment.
Dispose of this material and its container at hazardous or special waste collection point.

CONTAMINATED PACKAGING : Dispose in a safe manner in accordance with local/national regulations.

NOTE : The user's attention is drawn to the possible existence of specific european, national or local regulations regarding disposal.

BWT SH-4001

SECTION 14: Transport information

General information : Not regulated.

14.1. UN Number

Not applicable.

14.2. Proper shipping name

Not applicable.

14.3. Transport Hazard Classification

Not applicable.

14.4. Packing group

Not applicable.

14.5. Environmental hazards

Marine pollutant : No

14.6. Special precautions for user

See Heading 4-6-7

14.7. Bulk transport - annex II Marpol 73/78 - IBC

Not specifically applicable

SECTION 15: Regulatory information

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

Ensure all national/local regulations are observed.

15.2. Chemical Safety Assessment

No data available.

SECTION 16: Other information

Recommended uses and restrictions : See product bulletin for detailed information.

End of document