

Safety data sheet

Water Carbon Filter

Version 1.0

Effective date: 28-04-2023



SECTION 1. IDENTIFICATION OF THE SUBSTANCE/MIXTURE AND OF THE COMPANY / UNDERTAKING

1.1 Product identifier.

Trade name: Water Carbon Filter.

CAS No: 7440-40-0

EC No: 231-153-3

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

Product use: Used together with Alde AquaClear UV-C.

1.3 Details of the Supplier of the safety data sheet:

Company: Alde International Systems AB
Wrangels Allé
Box 11066
SE-291 11 Färlöv
Sweden
Tel: +46 (0)44 71940
Fax: +46 (0)44 71270

1.4 Emergency telephone number:

Use your national or local emergency number.
United Kingdom: Contact The National Poisons Information Service (dial 111, 24 h service).

SECTION 2. HAZARDS IDENTIFICATION

2.1 Classification of the substance or mixture to CLP No 1272/2008/GB CLP.

Not classified.

2.2 Label elements CLP No 1272/2008/GB CLP.

Not classified.

Additional labeling:

EUH210 Safety data sheet available on request.

2.3 Other hazards.

Fine dust may form an explosive mixture with air.

Contains no PBT or vPvB substances according to REACH No 1907/2006.

This mixture does not contain substances with endocrine disrupting properties in accordance with the criteria laid down in Commission Delegated Regulation (EU) 2017/2100 or Commission Regulation (EU) 2018/605.

Safety data sheet

Water Carbon Filter

Version 1.0

Effective date: 28-04-2023



SECTION 3. COMPOSITION/INFORMATION ON INGREDIENTS

3.1 Substance:

CAS/EC No:	REACH No	Name	Content %	Classification
7440-44-0 / 231-153-3	-	Carbon	100	Not classified

Occupational limits, where applicable, are listed in section 8.

SECTION 4. FIRST AID MEASURES

4.1 Description of first aid measures.

General information: In the case of symptoms: Contact a doctor or casualty department.

Inhalation: Seek fresh air. In case of discomfort contact a doctor.

Skin contact: Skin that has come in contact with the material must be washed with water and soap.

Eye contact: Remove contact lenses. Flush eyes with plenty of water for several minutes. Make sure you flush under the upper and lower eyelids. If irritation persists: Get medical advice/attention.

Ingestion: Rinse mouth with water and spit out.
Get Medical advice/attention if you feel unwell.

4.2 Most important symptoms and effects, both acute and delayed:
May cause temporary irritation on contact with skin and eyes.

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

SECTION 5. FIRE FIGHTING MEASURES

5.1 Extinguishing media: Select the appropriate fire extinguisher for the surrounding environment.
Option: CO₂, foam, dry powder, water spray.

Unsuitable extinguishing media:
None known.

5.2 Special hazards arising from the substance or mixture:
May emit hazardous fumes under fire conditions.

5.3 Advice for firefighters: Wear self-contained breathing apparatus and protective clothing to prevent contact.

Safety data sheet

Water Carbon Filter

Version 1.0

Effective date: 28-04-2023



SECTION 6. ACCIDENTAL RELEASE MEASURES

6.1 Personal precautions, protective equipment and emergency procedures:

Wear appropriate personal protective equipment as specified in section 8.
Avoid contact with eyes. Avoid dust formation and inhalation of dust.
Ensure sufficient ventilation.

6.2 Environmental precautions:

Do not discharge into the drains / surface waters / groundwater.

6.3 Methods and material for containment and cleaning up:

Take up mechanically and collect in suitable container for disposal.

6.4 Reference to other sections:

See section 8 for personal protection.

See section 13 for disposal.

SECTION 7. HANDLING AND STORAGE

7.1 Precautions for safe handling:

Wear appropriate personal protective equipment as specified in section 8.
Avoid contact with eyes. Avoid dust formation and inhalation of dust.
Ensure sufficient ventilation.
Fine dust may form an explosive mixture with air.

7.2 Conditions for safe storage, including any incompatibilities:

Store in a dry and well-ventilated place.
Store tightly closed.

7.3 Specific end use(s):

This product should only be used for applications described in section 1.2.

SECTION 8. EXPOSURE CONTROLS/PERSONAL PROTECTION

8.1 Control parameters - occupational exposure limits EH40 (Great Britain):

CAS No:	Name:	Limits:	Comments:
-	Dust - total inhalable - respirable	Long-term value (TWA): 10 mg/m ³ Long-term value (TWA): 4 mg/m ³	-

DNEL/PNEC:

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8.2 Exposure controls.

Appropriate technical measures:

Airborne concentrations must be kept as low as possible. Use for example an exhaust system if the normal air flow in the work room is not sufficient.

Safety data sheet

Water Carbon Filter

Version 1.0

Effective date: 28-04-2023



General information / Hygiene measures:

Smoking, consumption of food or liquid, and storage of tobacco, food or liquid, are not allowed in the workroom. Whenever you take a break in using this product and when you have finished using it, all exposed areas of the body must be washed. Always wash hands, forearms and face. Ensure access to eyewash station.

Personal protective equipment:

Only CE-marked personal protection equipment should be used.

Respiratory protection:

Normally not necessary when used in small amounts. Facing concentrations above the exposure limit or in case of dust formation, use appropriate respiratory protection – filter P2.

Hand protection:

Wear protective gloves. EN 374.
Option: Nitrile gloves ≥ 240 min.
Thickness: 0.30 mm.

Eye protection:

Wear safety glasses or goggles if eye contact is possible. EN 166.

Body protection:

Normal work clothing.

Measures to avoid environmental exposure:

No special precautions are necessary.

SECTION 9. PHYSICAL AND CHEMICAL PROPERTIES

9.1 Information on basic physical and chemical properties.

Physical state:	Solid/powder
Colour:	Black
Odour:	Odourless
Melting point/freezing point:	3652°C
Boiling point:	4200°C
Flammability:	Not relevant/no data
Lower and upper explosion limit:	Not relevant/no data
Flash point:	Not relevant/no data
Auto-ignition temperature:	>350°C
Decomposition temperature:	Not relevant/no data
pH:	Not relevant/no data
Kinematic viscosity:	Not relevant/no data
Solubility:	Not relevant/no data
Partition coefficient n-octanol/water:	Not relevant/no data
Vapour pressure:	Not relevant/no data
Density and/or relative density:	2.25
Relative vapour density:	Not relevant/no data
Particle characteristics:	Not relevant/no data

9.2 Other information:

None.

Safety data sheet

Water Carbon Filter

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SECTION 10. STABILITY AND REACTIVITY

10.1 Reactivity: No dangerous reaction known under conditions of normal use and storage.

10.2 Chemical stability: The product is not degraded under recommended storage and use.

10.3 Possibility of hazardous reactions:
None known if used and storage as recommended.

10.4 Conditions to avoid: There are no known conditions to be avoided.

10.5 Incompatible materials: Strong oxidizing agents.

10.6 Hazardous decomposition products:
None at recommended storage conditions and use.

SECTION 11. TOXICOLOGICAL INFORMATION

11.1 Information on hazard classes as defined in Regulation (EC) No 1272/2008/GB CLP.

Acute toxicity: Not classified.

Skin corrosion/irritation: Not classified.

Serious eye damage/irritation: Not classified.

Respiratory or skin sensitization: Not classified.

Germ cell mutagenicity: Not classified.

Carcinogenicity: Not classified.

Reproductive toxicity: Not classified.

Specific target organ toxicity - single exposure: Not classified.

Specific target organ toxicity – repeated exposure: Not classified.

Aspiration hazard: Not classified.

11.2 Information on other hazards:

Endocrine disrupting properties:
The product/substance has no endocrine disrupting properties.

Additional Information: May cause temporary irritation on contact with skin and eyes.

Safety data sheet

Water Carbon Filter

Version 1.0

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SECTION 12. ECOLOGICAL INFORMATION

12.1 Toxicity: Not classified.

12.2 Persistence and degradability:
No further data is available.

12.3 Bioaccumulative potential:
No further data is available.

12.4 Mobility in soil: No further data is available.

12.5 Result of PBT and vPvB assessment:
Contains no PBT or vPvB substances according to REACH No 1907/2006.

12.6 Endocrine disrupting properties:
The product/substance has no endocrine disrupting properties.

12.7 Other adverse effects: None known.

SECTION 13. DISPOSAL CONSIDERATIONS

13.1 Waste treatment methods:
Avoid discharge to drain or surface water.
Disposal should be in accordance with applicable regional, national, and local laws and regulations. The coding of a waste stream is based on the application of the product by the consumer.

Contaminated packing: According to packaging material.

SECTION 14. TRANSPORT INFORMATION

This product is not classified as dangerous to transport.

	ADR/RID	IMDG/IMO
14.1 UN number or ID number	Not relevant	Not relevant
14.2 UN proper shipping name	Not relevant	Not relevant
14.3 Transport hazard class(es)	Not relevant	Not relevant
14.4 Packing group	Not relevant	Not relevant
14.5 Environmental hazards – MP EmS:	No Not relevant	No Not relevant

Safety data sheet

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Other informations	LQ: Not relevant Tunnel: Not relevant	LQ: Not relevant Tunnel: Not relevant
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14.6 Special precautions for user:

Not relevant.

14.7 Maritime transport in bulk according to IMO instruments:

Not relevant.

SECTION 15. REGULATORY INFORMATION

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

Sources:

Current ADR regulations 2023. Reporting of Injuries, Diseases and Dangerous Occurrences Regulations 2013. Regulation (EU) 2016/425 of 9 March 2016 on personal protective equipment. Hazardous Waste (England and Wales) Regulations 2005 (as amended). EC regulation 1907/2006 (REACH) Directive 2000/532/EC. Seveso directive: 96/82/EC. EC regulation No 2020/878. CLP regulation No 1272/2008. REACH regulation 1907/2006. GB CLP.

Additional information:

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15.2 Chemical Safety Assessment:

No chemical safety assessment has been carried out for this substance/mixture by the supplier.

SECTION 16. OTHER INFORMATION

Full text of H-phrases as mentioned in section 3:

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Additional information:

This information is based on our current knowledge and is intended to describe the product for the purposes of health, safety and environmental requirements only. It should not therefore be construed as guaranteeing any specific property of the product.

Validated by:

SRS

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