

Product

COMBI-MIX

Version: 1.0
Printing Date: 13.01.2025
Language: EN

Watch-Water® encourages and expects you to read and understand the entire MSDS, as there is important information throughout the document. We expect you to follow the precautionary measures identified in this document unless your use conditions necessitate other appropriate methods or actions.

1	IDENTIFICATION OF THE SUBSTANCE/MIXTURE AND OF THE COMPANY/UNDERTAKING
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Product Name:	COMBI-MIX
Application:	Water Treatment, Drinking water applications
Company Identification/Supplier	Watch Water GmbH Fahrlachstr. 14 D-68165 Mannheim Germany Phone: + 49 62187951-0 Fax: + 49 62187951-99
Emergency Number (European) (24/7)	112
Emergency Number (Company) (08:00- 16:45)	Phone: +49 621 87951-50

2	HAZARDS IDENTIFICATION
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CLASSIFICATION OF THE SUBSTANCE OR MIXTURE

Classification according to the regulation (EC) no 1272/2008 (CLP) and its amendments

LABEL ELEMENTS

Label elements according to the regulation (EC) no 1272/2008 (CLP) and its amendments

Precautionary Statements – Prevention:

Not Required.

Pictograms:

Not Required.

OTHER HAZARDS

This material is not considered hazardous.

Physical hazard

Not a hazardous substance or mixture

Environmental hazard

None known.

OTHER HAZARDS

This product contains no substances assessed to be PBT or vPvB at levels of 0.1% or higher.

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In accordance with the product knowledge, no nanomaterials have been identified. Mixture of four natural and synthetic ion exchange and adsorption, filtration materials.

Substance		Concentration (%)	Classification
KATALYST LIGHT			
CAS No	12173-10-3 1313-13-9 1305-62-0	20 %	H302 Acute Tox. 4 ORAL H332 Acute Tox. 4 INHALATION H373 STOT RE 2
CATIONIX			
CAS No	69011-22-9	40 %	
CATALYTIC CARBON			
CAS No	7440-44-0	20 %	
AQUAREDOX			
CAS No	7440-44-0	20 %	

REMARK

Amounts specified are typical and do not represent a specification. Remaining components are proprietary, non hazardous and/or present at amounts below reportable limits.

4 FIRST-AID MEASURES**DESCRIPTION OF FIRST AID MEASURES**General information:

First aid is not expected to be necessary if material is used under ordinary conditions and as intended.

Following inhalation:

- Remove person to fresh air and keep comfortable for breathing. Seek medical attention if adverse effects are observed.

Following skin contact:

- Change contaminated, saturated clothing.
- After contact with skin, wash immediately with plenty of water and soap. Get medical attention if skin irritation occurs.

Following eye contact:

- Remove contact lenses, if present and easy to do. Continue rinsing.
- Flush eyes with clean, lukewarm water Remove contacts. Get medical attention if irritation persists.

Following ingestion:

- Never give anything by mouth to an unconscious person or a person with cramps.
- IF SWALLOWED: Rinse mouth.
- Do NOT induce vomiting.
- If the victim is not breathing, perform cardiopulmonary resuscitation. Get medical attention.

Self-protection of the first aider:

- First aider: Pay attention to self-protection!

Notes for the doctor:

Treat symptomatically.

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- Foam
- Extinguishing powder
- Carbon dioxide (CO₂)
- Sand

Unsuitable extinguishing media:

- Strong water jet

SPECIAL HAZARDS ARISING FROM THE SUBSTANCE OR MIXTURE.

Formation of toxic gases is possible during heating or in case of fire.

ADVICE FOR FIREFIGHTERS

- Wear a self-contained breathing apparatus and chemical protective clothing.

ADDITIONAL INFORMATION

- Do not inhale vapors and fumes.
- Co-ordinate fire-fighting measures to the fire surroundings.
- Move undamaged containers from immediate hazard area if it can be done safely.
- Use caution when applying carbon dioxide in confined spaces. Carbon dioxide can displace oxygen.
- Use water spray jet to protect personnel and to cool endangered containers.
- Collect contaminated fire extinguishing water separately. Do not allow entering drains or surface water.

6 ACCIDENTAL RELEASE MEASURES**PERSONAL PRECAUTIONS, PROTECTIVE EQUIPMENT AND EMERGENCY PROCEDURES**

- Use personal protection equipment.
- Remove persons to safety.
- Use appropriate respiratory protection.
- Provide adequate ventilation.

ENVIRONMENTAL PRECAUTIONS

- Ensure that waste is collected and contained.

METHODS AND MATERIAL FOR CONTAINMENT AND CLEANING UP

- Treat the recovered material as prescribed in the section on waste disposal.
- Collect in closed and suitable containers for disposal.
- Clean contaminated objects and areas thoroughly observing environmental regulations.

REFERENCE TO OTHER SECTIONS

- Safe handling: see section 7.
- Disposal: see section 13.
- Personal protection equipment: see section 8.

7 HANDLING AND STORAGE

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PRECAUTIONS FOR SAFE HANDLINGProtective measures:

- Avoid contact with skin, eyes, and clothes.
- Wear personal protective clothing (see section 8).
- Sewers and ducts must be protected against the entry of the product.
- Use only in well-ventilated areas.
- If local exhaust ventilation is not possible or not enough, the entire work area must be ventilated by technical means.
- Provide adequate ventilation as well as local exhaustion at critical locations.
- Dust should be exhausted directly at the point of origin.
- Avoid breathing dust.

Advice on general occupational hygiene:

- Wash hands before breaks and after work.
- Remove contaminated, saturated clothing immediately.
- Work in well-ventilated zones or use proper respiratory protection.

In the immediate working surroundings, there must be:

- Provide eye shower and label its location conspicuously.

CONDITIONS FOR SAFE STORAGE, INCLUDING ANY INCOMPATIBILITIES

- Keep container tightly closed in a dry, cool, and well-ventilated place.
- Keep container in upright position to prevent leakage.

Requirements for storage rooms and vessels:

Ensure adequate ventilation of the storage area.

Advice on joint storage:

Keep away from food, drink, and animal feeding stuff.

8 EXPOSURE CONTROL/ PERSONAL PROTECTION**APPROPRIATE ENGINEERING CONTROLS**

Technical measures and the application of suitable work processes have priority over personal protection equipment.

Provide adequate ventilation as well as local exhaustion at critical locations.

INDIVIDUAL PROTECTION MEASURESEye/face protection:

- Suitable eye protection- Wear eye protection equipment.
- Recommended eye protection articles- Eyeglasses with side protection.

Skin protection:

- Hand protection- Wear protective gloves.

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- Suitable material- Butyl caoutchouc (butyl rubber).
- Do not wear gloves near machines and rotating tools.
- Use gloves only once.

Remarks:

- When handling chemical substances, protective gloves must be worn with the CE-label including the four control digits.
- The quality of the protective gloves resistant to chemicals must be chosen as a function of the specific working place concentration and quantity of hazardous substances.
- For special purposes, it is recommended to check the resistance to chemicals of the protective gloves mentioned above together with the supplier of these gloves.
- Breakthrough times and swelling properties of the material must be taken into consideration.

Body protection:

Suitable protective clothing- Lab coat.

Respiratory protection:

- Respiratory protection necessary- If technical exhaust or ventilation measures are not possible or insufficient, respiratory protection must be worn.
- Suitable respiratory protection apparatus- Wear respiratory protection.

Remarks:

- The filter class must be suitable for the maximum contaminant concentration (gas/vapour/aerosol/particulates) that may arise when handling the product. If the concentration is exceeded, self-contained breathing apparatus must be used.
- Observe the wear time limits as specified by the manufacturer.
- Use only respiratory protection equipment with CE-symbol including four-digit test number.

9 PHYSICAL AND CHEMICAL PROPERTIES

GENERAL INFORMATION	
Physical State	Solid
Appearance	Black & brown mixture granules
Odour	odorless
MELTING POINT/ FREEZING POINT	n.a.
FLASH POINT	n.a.
SOLUBILITY IN WATER 20 °C	not soluble
pH-VALUE (10 g/L)	5.5 - 9.0
TEMPERATURE RANGE	5 – 80 °C
RELATIVE DENSITY (Kg/m ³)	ca. 860 – 870 kg/m ³

10 STABILITY AND REACTIVITY

REACTIVITY

The product is stable and do not react under normal condition of use, handling and storage.

Thermal decomposition/conditions to be avoided: No decomposition if used according

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to specifications

CHEMICAL STABILITY

Stable at normal storage and use conditions.

CONDITIONS TO AVOID

Heat and ignition sources, strong oxidizers, strong acids and combustible materials.
Avoid storing at high temperatures or in direct sunlight.

INCOMPATIBLE MATERIALS

No data available

HAZARDOUS DECOMPOSITION PRODUCTS

None

11 TOXICOLOGICAL INFORMATION**Information on toxicological effects**

Toxicity to Animals: Acute oral toxicity (LD50): 50000 mg/kg [Rat].

Chronic Effects on Humans: Not available.

Other Toxic Effects on Humans: Slightly hazardous in case of skin contact (irritant), of ingestion, of inhalation.

Special Remarks on Toxicity to Animals: Not available.

Special Remarks on Chronic Effects on Humans: Not available.

12 ECOLOGICAL INFORMATION**Acute toxicity****Acute oral toxicity**

Very low toxicity if swallowed. Harmful effects not anticipated from swallowing small amounts.

Typical for this family of materials.

LD50. Rat. > 5,000 mg/kg

Acute dermal toxicity

No adverse effects anticipated by skin absorption.

The dermal LD50 has not been determined.

Acute inhalation toxicity

Vapors are unlikely due to physical properties. No adverse effects are anticipated from inhalation.
For respiratory irritation and narcotic effects: No relevant data found.

As product:

The LC50 has not been determined.

Skin corrosion/irritation

Essentially nonirritating to skin.

Serious eye damage/eye irritation

May cause slight eye irritation.

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Solid or dust may cause irritation or corneal injury due to mechanical action.

Sensitization

For skin sensitization:

No relevant data found.

For respiratory sensitization:

No relevant data found.

Specific Target Organ Systemic Toxicity (Single Exposure)

Evaluation of available data suggests that this material is not an STOT-SE toxicant.

Specific Target Organ Systemic Toxicity (Repeated Exposure)

No relevant data found.

Carcinogenicity

No relevant data found.

Teratogenicity

No relevant data found.

Reproductive toxicity

No relevant data found.

Mutagenicity

No relevant data found.

Aspiration Hazard

Based on physical properties, not likely to be an aspiration hazard.

13 DISPOSAL CONSIDERATIONS**Product Disposal:**

Any disposal practice must be in compliance with all local and national laws and regulations. Do not dump into any sewers, on the ground, or into any body of water.

14 TRANSPORT INFORMATION

- **Land transport ADR/RID and GGVS/GGVE:** Not regulated for transport.
- **Sea transport IMDG:** Not regulated for transport.
- **Air transport IATA/ICAO:** Not regulated for transport.

Combi-Mix is not classified as a hazardous material by US DOT and is not regulated by the Transportation of Dangerous Goods (TDG) when shipped by any mode of transport.

15 REGULATORY INFORMATION**SAFETY, HEALTH, AND ENVIRONMENTAL REGULATIONS/LEGISLATION SPECIFIC FOR THE SUBSTANCE OR MIXTURE**

Labelling according to EU guidelines:

Hazard Symbols: none

Labeling according to Regulation (EC) No 1272/2008

The substance does not require classification or labeling under the CLP regulation.

Not listed or not regulated by the following inventories: CDTA, Chemical Weapon Convention

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16	OTHER INFORMATION
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This information is based on our present knowledge. However, this shall not constitute a guarantee for any specific product feature and shall not establish a legally valid contractual relationship.

ABBREVIATIONS AND ACRONYMS

- CAS: Chemical Abstract Service Number.
- IATA: International Air Transport Association.
- IMDG: International Maritime Dangerous Goods Code.
- DPD Dangerous Preparation Directive.
- UN number: United Nations number.
- No EC: European Commission Number.
- ADN/ADNR: Regulations concerning the transport of dangerous substances in barges on waterways.
- ADR/RID: European Agreement concerning the International Carriage of Dangerous Goods by Road/Regulations concerning the international carriage of dangerous goods by rail.
- CLP: Classification, labeling and packaging.
- VPvB: very persistent and very bio-accumulative substances.

DISCLAIMER

Watch Water® GmbH provides the information contained herein in good faith but makes no representation as to its comprehensiveness or accuracy. This document is intended only as a guide to the appropriate precautionary handling of the material by a properly trained person using this product. Individuals receiving the information must exercise their independent judgment in determining its appropriateness for a particular purpose. This MSDS provides selected regulatory information on this product, including its components. This is not intended to include all regulations. It is the responsibility of the user to know and comply with all applicable regulations and laws relating to the product being used.

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