

Safety Data Sheet

according to Regulation (EC) No 1907/2006 (REACH)

Trade name: ADOX EMH-1 Emulsion Hardener conc.

Version: 1.0 / EN

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Date of compilation: 12.04.2022

SECTION 1: Identification of the mixture and of the company

1.1 Product identifier: ADOX EMH-1 Emulsion Hardener conc.

1.2. Relevant identified uses of the mixture

Hardener for photochemicals

1.3 Details of the supplier of the safety data sheet:

Supplier:

ADOX Fotowerke GmbH

Pieskower Straße 30A

15526 Bad Saarow

info@adox.de

<http://www.adox.de>

1.4 EMERGENCY TELEPHONE NUMBER:

Poison Emergency Call of the Charité, Berlin, Germany: +49 30 19240

SECTION 2: Hazards identification

2.1. Classification of the mixture: Classification according to Regulation (EC) No 1272/2008

Skin corrosion / irritation, Category 2; H315

Eye damage / irritation, Category 2; H319

2.2 Label elements

Labelling according to Regulation (EC) No 1272/2008 [CLP/GHS]

Hazard pictograms



GHS07

Signal word:

Warning

Hazard statements:

H315 Causes skin irritation

H319 Causes serious eye irritation

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

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SECTION 3. Composition/information on ingredients

3.1 Mixtures

Substance name: Chrom(III)-Kaliumsulfat-Dodecahydrat

EC No: 233-401-6

CAS No: 7788-99-0

Description of the mixture:

Aqueous solution of Chrom(III)-Kaliumsulfat-Dodecahydrat, content: < 15 V%.

Skin corrosion / irritation, Category 2; H315

Eye damage / irritation, Category 2; H319

SECTION 4: First aid measures

4.1 Description of first aid measures

Following inhalation

Provide fresh air. In all cases of doubt, or symptoms persist, seek medical advice.

Following skin contact

Rinse skin with water/shower. In case of skin irritation, consult a physician.

Following eye contact

Irrigate copiously with clean, fresh water for at least 10 minutes, holding the eyelids apart. In case of eye irritation consult an ophthalmologist.

Following ingestion

Rinse mouth. Call a doctor if you feel unwell.

4.2 Most important symptoms and effects, both acute and delayed

Conjunctivitis, Irritation

4.3 Indication of any immediate medical attention and special treatment needed

none

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SECTION 5: Firefighting measures

5.1 Extinguishing media

Suitable extinguishing media

Use extinguishing measures that are appropriate to local circumstances and the surrounding environment.

Unsuitable extinguishing media

For this substance/mixture no limitations of extinguishing agents are given.

5.2 Special hazards arising from the substance or mixture

Sulfur oxides

Potassium oxides

Chromium oxides

Not combustible.

Ambient fire may liberate hazardous vapours.

5.3 Advice for fire-fighters

Stay in danger area only with self-contained breathing apparatus. Prevent skin contact by keeping a safe distance or by wearing suitable protective clothing.

SECTION 6: Accidental release measures

6.1 Personal precautions, protective equipment and emergency procedures

Advice for non-emergency personnel: Avoid inhalation of dusts. Avoid substance contact. Ensure adequate ventilation. Evacuate the danger area, observe emergency procedures, consult an expert.

6.2 Environmental precautions

Do not let product enter drains.

6.3 Methods and material for containment and cleaning up

Cover drains. Collect, bind, and pump off spills. Observe possible material restrictions. Take up dry. Dispose of properly. Clean up affected area. Avoid generation of dusts.

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SECTION 7: Handling and storage

7.1 Precautions for safe handling

For precautions see section 2.2.

7.2 Conditions for safe storage, including any incompatibilities

Storage conditions

Tightly closed. Dry. Storage temperature: 15-25 °C.

Storage class

Combustible Solid

SECTION 8: Exposure controls/personal protection

8.1 Control parameters

Occupational exposure limits

No data available.

8.2 Exposure controls

Personal protective equipment

Eye/face protection

Use equipment for eye protection tested and approved under appropriate government standards such as NIOSH (US) or EN 166(EU). Safety glasses

Body Protection

protective clothing

Respiratory protection

required when dusts are generated.

Our recommendations on filtering respiratory protection are based on the following standards: DIN EN 143, DIN 14387 and other accompanying standards relating to the used respiratory protection system.

Recommended Filter type: Filter type P2

The entrepreneur has to ensure that maintenance, cleaning and testing of respiratory protective devices are carried out according to the instructions of the producer.

These measures have to be properly documented. Control of environmental exposure
Do not let product enter drains.

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SECTION 9. Physical and chemical properties

9.1 Information on basic physical and chemical properties

Appearance Form:	solid
Odor	No data available
Odor Threshold	No data available
pH	1,84
Melting point/freezing point	No data available
Initial boiling point and boiling range	No data available
Flash point	No data available
Evaporation rate	No data available
Flammability	Not flammable
Upper/lower flammability or explosive limits	No data available
Vapor pressure	No data available
Vapor density	No data available
Relative density	No data available
Water solubility	No data available
Autoignition temperature	No data available
Decomposition temperature	No data available
Viscosity Viscosity, kinematic	No data available
Explosive properties	No data available
Oxidizing properties	None

9.2 Other information:

No data available

SECTION 10: Stability and reactivity

10.1 Reactivity

No reactivity under standard ambient conditions (room temperature).

10.2 Chemical stability

The product is chemically stable under standard ambient conditions (room temperature).

10.3 Possibility of hazardous reactions

Violent reactions possible with:
Strong oxidizing agents

10.4 Conditions to avoid:

no information available

10.5 Incompatible materials:

No data available

10.6 Hazardous decomposition products:

In the event of fire: see section 5

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SECTION 11: Toxicological information

11.1 Information of toxicological effects

Acute toxicity

Symptoms: Irritations of mucous membranes in the mouth, pharynx, oesophagus and gastrointestinal tract.

Symptoms: Possible damages: mucosal irritations

Dermal: No data available

Skin corrosion/irritation

Tendency of poor wound-healing after penetration of the substance.

Serious eye damage/eye irritation

conjunctivitis

Respiratory or skin sensitization

No data available

Germ cell mutagenicity

No data available

Carcinogenicity

No data available

Reproductive toxicity

No data available

Specific target organ toxicity - single exposure

No data available

Specific target organ toxicity - repeated exposure

No data available

Aspiration hazard

No data available

11.2 Information on other hazards

11.2.1 Endocrine disrupting properties

The substance/mixture does not contain components considered to have endocrine disrupting properties according to REACH Article 57(f) or Commission Delegated regulation (EU) 2017/2100 or Commission Regulation (EU) 2018/605 at levels of 0.1% or higher.

To the best of our knowledge, the chemical, physical, and toxicological properties have not been thoroughly investigated.

In contrast to chromium(VI) compounds, chromium(III) compounds are not carcinogenic in animal experiments. Only slight absorption (< 1 %) via gastrointestinal tract in comparison with hexavalent chromium. The greater, nonabsorbed part of chromium(III) is eliminated with the faeces.

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Other dangerous properties can not be excluded.

Handle in accordance with good industrial hygiene and safety practice.

SECTION 12: Ecological information

12.1 Toxicity:

No data available.

12.2 Persistence and degradability

The methods for determining the biological degradability are not applicable to inorganic substances.

12.3 Bioaccumulative potential

No data available.

12.4 Mobility in soil

No data available.

12.5 Results of PBT and vPvB assessment

This substance/mixture contains no components considered to be either persistent, bioaccumulative and toxic (PBT), or very persistent and very bioaccumulative (vPvB) at levels of 0.1% or higher.

12.6 Endocrine disrupting properties

The substance/mixture does not contain components considered to have endocrine disrupting properties according to REACH Article 57(f) or Commission Delegated regulation (EU) 2017/2100 or Commission Regulation (EU) 2018/605 at levels of 0.1% or higher.

12.7 Other adverse effects:

Discharge into the environment must be avoided.

SECTION 13: Disposal considerations

13.1 Waste treatment methods

Consider the local regulations regarding the return of chemicals and containers.

SECTION 14: Transport information

14.1 UN-Number

Not applicable

14.2 UN proper shipping name

ADR/RID: Not dangerous goods

IMDG: Not dangerous goods

IATA: Not dangerous goods

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14.3 Transport hazard class(es)

ADR/RID: - IMDG: - IATA: -

14.4 Packaging group

ADR/RID: - IMDG: - IATA: -

14.5 Environmental hazards

ADR/RID: no IMDG Marine pollutant: no IATA: no

14.6 Special precautions for user

Not classified as dangerous in the meaning of transport regulations.

SECTION 15: Regulatory information

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

This material safety data sheet complies with the requirements of Regulation (EC) No. 1907/2006

15.2 Chemical Safety Assessment

For this product a chemical safety assessment was not carried out

SECTION 16: Other information

Full text of H-Statements referred to under sections 2 and 3.

H315 Causes skin irritation.

H319 Causes serious eye irritation.

Further 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 regard to appropriate safety precautions. It does not represent any guarantee of the properties of the product. ADOX Fotowerke GmbH and its Affiliates shall not be held liable for any damage resulting from handling or from contact with the above product.