edelundstein
FOR YOUR WALLS AND FLOORS

Safety data sheet
according to Regulation (EC) No 1907/2006 (REACH)

Activator for Rose Effect Filler
Status 08.2018

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

1.1 Product identifier
Trade name / Designation: **Activator for Rose Effect Filler**

1.2 Relevant identified uses of the substance or mixture and uses advised against
Description / Use**:** Wall coatings

1.3. details of the supplier providing the safety data sheet.
Company name **edelundstein GmbH**
Address **Einsteinstraße 12**
Location and country **33104 Paderborn**
GERMANY
Tel. +49 5254 933 07 31
Fax +49 5254 933 07 33

E-mail of the competent person,
the information required for the safety data sheet
is responsible for: **info@edel-und-stein.com**

1.4. emergency number
For urgent information / technical information contact: Dr Felix Ferlemann **+49 170 / 736 29 24**

SECTION 2: Potential hazards

2.1 Classification of the substance or mixture according to Regulation (EC) No 1272/2008 (CPL)

Hazard classes and hazard categories	Hazard statements	Classification procedures
Corrosive to metals (Met. Corr. 1)	H290: May be corrosive to metals.	
Harmful to the aquatic environment (Aquatic Acute 1)	H400: Very toxic to aquatic organisms.	

2.2 Marking elements.
Labelling according to Regulation (EC) 1272/2008 (CLP):
The product does not have to be labelled according to EC directives or the respective national laws.

Hazard pictogram:

GHS05
Corrosivity

Signal word: Caution

Hazard statements for physical hazards:
H290May be corrosive to metals.
H410Very toxic to aquatic life with long lasting effects.

Supplementary hazard characteristics (EU)

Safety instructions:
P102 Keep out of the reach of children.

Safety instructions Prevention:
P273 Avoid release into the environment.
P280. 3Wear protective gloves and clothing.

Safety instructions Reaction:
P305 + P351 + P338If contact with eyes occurs: Rinse cautiously with water for several minutes. Remove contact lenses if possible. Continue rinsing.

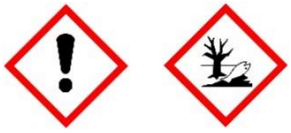
Safety instructions Disposal:
P501Dispose of contents / container to hazardous or special waste collection point.

2.3 Other hazards
Possible adverse effects on humans and possible symptoms:
May cause skin irritation. May cause eye irritation. May cause respiratory irritation.

SECTION 3: Composition/Information on ingredients

3.2 Mixtures
Hazardous ingredients / Hazardous impurities / Stabilisers:

Product identifiers	Substance name / Classification according to Regulation (EC) No 1272/2008 (CLP)	Content
CAS No.: 7758-98-7 **EC No.:** 231-847-6	Copper (II) sulphate Acute Tox. 4, Skin Irrit. 2, Eye Irrit. 2, Aqua Acute 1, Aqua Chronic 1	0.1 - 1 wt.%



Warning: H302 - H315 - H319 - H400

CAS No.: 7647-01-0 **EC No:** 231-595-7Skin **REACH no:** 01-2119484862-27	Hydrochloric acid01 Corr. 1B, STOT SE 3, Met. Corr. 1	- 1 wt.%

Danger: H290 - H314 - H335

Wording of H- and EUH-phrases: see section 16

SECTION 4: First aid measures

4.1 Description of first aid measures
General information:
Remove the casualty from the danger zone. Remove soiled, soaked clothing. If unconscious, place in recovery position and seek medical advice. Do not leave the victim unattended. If you feel unwell, seek medical advice / medical assistance.

After inhalation:
No special measures are required.
Aerosol generation/formation: May cause respiratory tract irritation. Consult a doctor in case of respiratory tract irritation.

In case of skin contact:
Wash off with plenty of water. If skin irritation occurs: Seek medical advice / attention.

After eye contact:

In case of contact with eyes, rinse thoroughly with water. In case of eye irritation, consult an ophthalmologist.

After ingestion:
Rinse mouth immediately and drink plenty of water. Do NOT induce vomiting. Seek medical advice / medical attention.

4.2 Most important symptoms and effects, both acute and delayed
May cause skin irritation. May cause eye irritation. May cause respiratory irritation.

4.3. indications for immediate medical help or special treatment
Symptomatic treatment.

SECTION 5: Fire-fighting measures

5.1 Extinguishing media
Suitable extinguishing media:
Adapt extinguishing measures to the surroundings.

5.2 Special hazards arising from the substance or mixture
The product itself does not burn. No special fire protection measures required.

Hazardous combustion products:
In case of fire, toxic gases / vapours may be produced.

5.3 Advice for fire fighting
Wear self-contained breathing apparatus and chemical protective suit.

5.4 Additional notes
Collect contaminated extinguishing water separately. Do not allow to enter drains or watercourses.

SECTION 6: Accidental release measures

6.1 Personal precautions, protective equipment and emergency procedures

6.1.1 Staff not trained for emergencies
Personal precautions:
Avoid contact with eyes and skin and clothing. May be corrosive to metals. Keep people safe.

Protective equipment:
Wear protective gloves / protective clothing / eye protection / face protection.

6.1.2. task forces
Personal protective equipment:
see section 8

6.2 Environmental protection measures
Do not allow to enter drains or water courses. Do not allow to enter the subsoil / soil.

6.3 Methods and material for containment and cleaning up
For restraint:
Wipe up with absorbent material (e.g. cloth, fleece). Handling of larger quantities: Absorb with liquid-binding material (sand, diatomaceous earth, acid binders, universal binders).
For cleaning:
Water with added surfactant

6.4 Reference to other sections
Safe handling: see section 7

Personal protective equipment: see section 8
Disposal: see section 13

6.5 Additional notes
Use suitable container to avoid contamination of the environment.

SECTION 7: Handling and storage

7.1 Protective measures for safe handling
Instructions for safe handling:
Avoid contact with skin, eyes and clothing. Take off soiled, saturated clothing. Wash contaminated clothing before reuse. Wear personal protective equipment (see section 8).

Fire protection measures:
No special measures are required.

Environmental protection measures:
Entry into the environment must be avoided.

Notes on general industrial hygiene:
Do not eat, drink or smoke while working. Wash hands and face thoroughly before breaks and at the end of work, shower if necessary. Use skin care products after work.

7.2 Conditions for safe storage taking into account incompatibilities
Technical measures and storage conditions:
Keep container tightly closed and store in a cool, well-ventilated place.
Conditions to avoid: Frost, heat.
Requirements for storage rooms and containers:
Floors should be impermeable, resistant to liquids and easy to clean. Keep / store only in the original container.
Merging notes:
Keep away from food, drink and animal feed.
Storage class: 12 - non-flammable liquids that cannot be assigned to any of the above storage classes.

7.3 Specific end uses
Recommendation:
Wall coatings
Follow the instructions for use.

SECTION 8: Limitation and monitoring of exposure/ Personal protective equipment

8.1 Parameters to be monitored.

8.1.1 Occupational exposure limits

Limit value type **Country**	**Substance name1**	**) Long-term workplace limit value** **2) Short-term workplace limit value** **3) Instantaneous value** **4) Monitoring or observation procedures** **5) Remark**
DFG (DE)	Copper (II) sulphate1 CAS No.: 7758-98-72	) 0.01 mg / m³) 0.02 mg / m³ 5) (alveolar fraction)
IOELV (EU)	Hydrochloric acid1 CAS No.: 7647-01-02	) 5ppm (8 mg / m³)) 10 ppm (15 mg / m³) 5) (Hydrogen chloride)

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Limit value type **Country**	**Substance name1**	**) Long-term workplace limit value** **2) Short-term workplace limit value** **3) Instantaneous value** **4) Monitoring or observation procedures** **5) Remark**
TRGS 900 (DE)	Hydrochloric acid1 CAS No.: 7647-01-02	) 2 ppm (3 mg / m³)) 4 ppm (6 mg / m³) 5) Hydrogen chloride

8.1.2 Biological limits
No data available.

8.1.3 DNEL / PNEC values
No data available

8.2 Exposure controls and monitoring

8.2.1 Suitable technical control devices
Technical measures and the use of appropriate work procedures take precedence over the use of personal protective equipment. Ventilate the affected area.

8.2.2 Personal protective equipment

Eye / face protection:
Frame goggles with side protection (DIN EN 166)

Skin protection:
It is recommended to use water-resistant skin protection preparations before starting work.

Recommendation for decanting and transferring: Tested protective gloves must be worn (DIN EN 374). Chemical protective gloves are to be selected in their design depending on the concentration and quantity of hazardous substances specific to the work. It is recommended to clarify the chemical resistance of the above-mentioned protective gloves for special applications with the glove manufacturer. If gloves are to be reused, clean them before taking them off and store them in a well-ventilated place.

Respiratory protection:
Normally no personal respiratory protection is necessary. Ensure sufficient ventilation. In case of exposure to vapours, dusts and aerosols, use suitable respiratory protection (particle filter device EN 143, filter type P2).

Other protective measures:
Wear suitable protective clothing when working.

8.2.3 Limitation and monitoring of environmental exposure
No data available.

8.3 Additional notes
No data available.

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SECTION 9: Physical and chemical properties

9.1. information on the basic physical and chemical properties.

Physical state Liquid	
Odourless	
Colour	Light brown

Safety-relevant basic data

pH valuenot	determined
Melting point / freezing pointnot	determined
Freezing pointnot	determined
Initial boiling point and range	≥ 100 °C
Decomposition temperaturenot	determined
Flash pointnot	applicable
Evaporation ratenot	determined
Ignition temperatureNot applicable	
Upper/Lower Flammability or	
Explosion limits	not applicable
Vapour pressure	not determined
Vapour densitynot applicable	
Density at 20° C	1 g / ml
Bulk densitynot applicable	
Solubility in water	Easily soluble
Partition coefficient n-octanol / water	
log P (o/w)	not determined
Viscosity, dynamicnot	determined
Viscosity, kinematicnot	determined

9.2 Other information.
No data available.

SECTION 10: Stability and reactivity

10.1 Reactivity
The product itself does not burn.

10.2 Chemical stability
The product is stable when stored at normal ambient temperatures.

10.3 Possibility of hazardous reactions
No hazardous reactions occur if handled and stored as intended.
May be corrosive to metals. Formation of hydrogen (H2).

10.4 Conditions to avoid
Frost, heat

10.5 Incompatible materials
No data available.

10.6 Hazardous decomposition products
In case of fire, toxic gases / vapours may be produced.

SECTION 11: Toxicological information

11.1 Information on toxicological effects
Acute oral toxicity:
Based on available data, the classification criteria are not met.

Corrosive / irritant effect on the skin:
Based on available data, the classification criteria are not met.
May cause skin irritation.

Eye damage/irritation:
Based on available data, the classification criteria are not met.
May cause eye irritation.

Sensitisation of the respiratory tract or skin:
Based on available data, the classification criteria are not met.

Specific target organ toxicity at single exposure:
Based on available data, the classification criteria are not met.
May irritate the respiratory tract.

Aspiration hazard:
Based on available data, the classification criteria are not met.

SECTION 12: Environmental information

12.1 Toxicity
Aquatic toxicity:
Very toxic to aquatic organisms with long lasting effects.
Behaviour in wastewater treatment plants:
The insoluble portion can be mechanically separated in suitable wastewater treatment plants.

Additional ecotoxicological information:
Avoid discharge into the environment. Do not allow to enter sewage system. Do not allow to enter the subsoil / soil.

12.2 Persistence and degradability
Biodegradation:
The methods for determining biodegradability are not applicable to inorganic substances.

12.3 Bioaccumulative potential
Accumulation / Valuation:
No indication of bioaccumulation potential.

12.4 Mobility in soil
No data available.

12.5 Results of the PBT and vPvB assessment
The substances in the mixture do not fulfil the PBT / vPvB criteria according to REACH, Annex XIII.

12.6 Other adverse effects
No data available.

SECTION 13: Disposal instructions

13.1 Waste treatment processes.

13.1.1 Disposal of the product / packaging
Waste code / waste designation according to EAK/AVV

Waste code Product:
08 01 12Wastes from painting and varnishing other than those mentioned in 08 01 11

Waste code packaging:
17 02 03Plastic

17 09 04mixed construction and demolition wastes other than those mentioned in 17 09 01, 17 09 02 and 17 09 03
15 01 02Packaging of plastics

Waste treatment solutions
Proper disposal of the product:
Dispose of in accordance with official regulations. For waste disposal, contact the authorised waste disposal company. Contact the manufacturer for recycling.

Proper disposal of the packaging:
Completely emptied packaging can be recycled.

Other disposal recommendations:
The allocation of waste code numbers / waste designations must be carried out in accordance with EAKV on a sector- and process-specific basis. Collect in suitable, closed containers and take for disposal.

13.2 Additional information
Waste for disposal shall be classified and labelled.

SECTION 14: Transport information

	Land transport (ADR/RID)	Inland waterway transport (ADN)(	Sea transport IMDG)	Air transport (IACAO-TI/IATA-DGR)
14.1 UN No.	3082	3082	3082	3082
14.2 Proper UN shipping name	Environmentally hazardous substance, liquid, n. o. s., (copper sulphate)	Environmentally Hazardous liquid, n. o. s., (copper sulphate)	Environmentally Hazardous Substance, Liquid, n. o. s. (Copper Sulphate)	Environmentally hazardous substance, Substance, Liquid, n. o. s. (Copper Sulphate)
14.3 Transport hazard classes	9	9	9	9
14.4 Packing group	III	III	III	III
14.5 Environmental hazards			Marine pollutant	
14.6 Special precautions for the user				
Special regulations:	not determinednot	determinednot	determinednot determined	
Limited Quantity (LQ):				

not determinednot determinednot determinednot determined

Hazard no. (Kemler number):
90---------

Classification code:
M6---------

Tunnel restriction code:
E ---------

EmS no.:
------F-A ; S-F---

Remark:

14.7 Carriage in bulk in accordance with Annex II of the MARPOL Convention and the IBC Code.
Not relevant

SECTION 15: Legislation

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

15.1.1 EU regulations
Other EU regulations:
The product complies with the requirements of the EU Directive 2004/42/EC on the limitation of VOC content.

15.1.2.National regulations
EN - National regulations

Water hazard class (WGK):
2 - clearly hazardous to water

Remark:
Classification according to VwVws, Annex 4

Regulations of the Employer's Liability Insurance Association (BGV):
D25 - Processing of coating materials

15.2 Chemical Safety Assessment
No data available.

15.3 Additional information
No data available.

SECTION 16: Other information

16.1. amendment notes
No data available.

16.2 Abbreviations and acronyms
For abbreviations and acronyms, see ECHA: Guidance on information requirements and chemical safety assessment, Chapter R.20 (List of terms and abbreviations).

16.3 Important literature references and data sources
No data available.

16.4 Classification of mixtures and assessment method used according to Regulation (EC) No 1272/2008 (CPL)

Hazard classes and categoriesHazard statementsClassification procedures

Corrosive to metals (Met. Corr. 1)	H290: May be corrosive to metals.
Harmful to the aquatic environment (Aquatic Acute 1)	H400: Very toxic to aquatic organisms.

16.5 Wording of the H and EUH phrases

Hazard warnings

H290:	May be corrosive to metals.
H302:	Harmful if swallowed.
H314:	Causes severe skin burns and eye damage.
H315:	Causes skin irritation.
H319:	Causes severe eye irritation.
H335:	May cause respiratory irritation.
H400:	Very toxic to aquatic organisms.
H410:	Very toxic to aquatic life with long lasting effects.

16.6 Training instructions

No data available

16.7 Additional notes

The information in this safety data sheet is based on our best knowledge and belief at the time of printing. The information is intended to provide guidance on the safe handling of the product specified in this safety data sheet during storage, processing, transport and disposal. The information is not transferable to other products. Insofar as the product is mixed, blended or processed with other materials or undergoes treatment, the information in this safety data sheet cannot be transferred to the new material thus produced, unless expressly stated otherwise.