

SAFETY DATA SHEET

according to Regulation (EC) No. 1907/2006
(amended by Regulation (EU) 2020/878)

Splitting agent Uni 95

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

1.1. Product identifier

Product name Splitting agent Uni 95
Product code None.

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

Use of the Substance/Mixture Flocculating agent

1.3. Details of the supplier of the safety data sheet

Company/Undertaking Identification Carlo Bernasconi AG
Juchstrasse 11
CH-8048 Zürich
Fon +41 84 838 80 00
Fax +41 84 838 80 01
info@carloag.ch

1.4. Emergency telephone number 145 (Tox Info Suisse)

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SECTION 2: Hazards identification

2.1. Classification of the substance or mixture

Classification according to Regulation (EC) No. 1272/2008 Serious eye damage/eye irritation, Cat. 1, H318

Additional information For the full text of the phrases mentioned in this Section, see Section 16.

2.2. Label elements



Signal Word	Danger
Hazard Statements	H318: Causes serious eye damage.
Precautionary statements	P280: Wear protective gloves, eye protection and face protection. P305+P351+P338: IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. P310: Immediately call a POISON CENTER or doctor/physician.
Supplemental information	None.
Product identifier	Aluminium sulphate with 13,5-15 H ₂ O, CAS-No. 10043-01-3, EC-No. 233-135-0, REACH No. 01-2119531538-36-xxxx Calcium hydroxide, CAS-No. 1305-62-0, EC-No. 215-137-3 , REACH No. 01-2119475151-45-xxxx

2.3. Other hazards None known.

SECTION 3: Composition/information on ingredients

3.2. Mixtures

Mixture of various minerals

Components	Weight %	CLP Classification	Product identifier
Aluminium sulphate with 13,5-15 H ₂ O	20% - 40%	Eye Dam. 1 H318	CAS-No.: 10043-01-3 EC-No.: 233-135-0 REACH No.: 01-2119531538-36-xxxx
Calcium hydroxide	10% - 20%	Eye Dam. 1 H318	CAS-No.: 1305-62-0 EC-No.: 215-137-3 REACH No.: 01-2119475151-45-xxxx
Bentonite	45% - 60%	-	CAS-No.: 1302-78-9 EC-No.: 215-108-5

For the full text of the phrases mentioned in this Section, see Section 16.

Hazardous impurities None known.

SECTION 4: First aid measures

4.1. Description of first aid measures

Inhalation	Move to fresh air.
Skin contact	Wash with water and soap as a precaution.
Eye contact	Rinse thoroughly with plenty of water, also under the eyelids. If eye irritation persists, consult a specialist.
Ingestion	Rinse mouth.

4.2. Most important symptoms and effects, both acute and delayed None known.

4.3. Indication of any immediate medical attention and special treatment needed None known.

SECTION 5: Firefighting measures

5.1. Extinguishing media

Suitable extinguishing media No special measures required.

Unsuitable extinguishing media None.

5.2. Special hazards arising from the substance or mixture The product is not flammable.

5.3. Advice for firefighters

Special protective equipment for firefighters Not required.

Specific methods No special measures required.

SECTION 6: Accidental release measures

6.1. Personal precautions, protective equipment and emergency procedures

For non-emergency personnel Avoid dust formation.

For emergency responders Avoid breathing dust.

6.2. Environmental precautions No special environmental precautions required.

6.3. Methods and material for containment and cleaning up Use approved industrial vacuum cleaner for removal.

SECTION 7: Handling and storage

7.1. Precautions for safe handling	Avoid dust formation.
7.2. Conditions for safe storage, including any incompatibilities	Keep containers dry and tightly closed to avoid moisture absorption and contamination. Store at room temperature in the original container. Unsuitable materials: aluminum.
7.3. Specific end use(s)	Use only in accordance with our recommendations.

SECTION 8: Exposure controls/personal protection

8.1. Control parameters

Exposure limit(s) No data is available on the product itself.

Calcium hydroxide (CAS 1305-62-0)

United Kingdom - Workplace Exposure Limits (WELs) - STELs	4 mg/m ³ STEL (respirable fraction)
United Kingdom - Workplace Exposure Limits (WELs) - TWAs	15 mg/m ³ STEL (calculated)
EU - Occupational Exposure (EU) 2017/164 - Fourth List of Indicative Occupational Exposure Limit Values - STELs	1 mg/m ³ TWA (respirable fraction)
EU - Occupational Exposure (EU) 2017/164 - Fourth List of Indicative Occupational Exposure Limit Values - TWAs	5 mg/m ³ TWA
	4 mg/m ³ STEL (respirable fraction)
	1 mg/m ³ TWA (respirable fraction)

8.2. Exposure controls

Appropriate engineering controls Avoid contact with skin, eyes and clothing.

Personal protection equipment

Respiratory protection Respirator must be worn if exposed to dust. Half mask with a particle filter P2 (EN 143).

Hand protection Gloves made of latex. The selected protective gloves have to satisfy the specifications of Regulation (EU) No. 2016/425 and the standard EN 374 derived from it. The exact break through time can be obtained from the protective glove producer and this has to be observed.

Eye protection Safety glasses with side-shields conforming to EN166.

Skin and body protection No special measures required.

Thermal hazards No special measures required.

Environmental exposure controls No special measures required.

SECTION 9: Physical and chemical properties

9.1. Information on basic physical and chemical properties

Physical state	Powder.
Colour	Light gray.
Odour	Stinging.
Melting point/ freezing point:	Not determined.
Boiling point or initial boiling point / range:	Not determined.
Flammability:	Not determined.
Lower and upper explosion limit:	Not determined.
Flash point:	does not ignite
Auto-ignition temperature:	Not determined.
Decomposition temperature:	Not determined.
pH:	6-8 (Emulsion)
Kinematic viscosity:	Not determined.
Solubility:	dispersible (Water)
Partition coefficient n-octanol/water (log value):	Not determined.
Vapour pressure:	Not determined.
Density and/or relative density:	Not determined.
Relative vapour density:	Not determined.
Particle characteristics:	Not applicable.

9.2. Other information

Other safety characteristics No information available.

SECTION 10: Stability and reactivity

10.1. Reactivity	No information available.
10.2. Chemical stability	No decomposition if used as directed.
10.3. Possibility of hazardous reactions	No information available.
10.4. Conditions to avoid	Avoid dust accumulation in enclosed space. To avoid thermal decomposition, do not overheat.
10.5. Incompatible materials	Light metals. Strong acids.
10.6. Hazardous decomposition products	None under normal use.

SECTION 11: Toxicological information

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

Acute toxicity	Aluminium sulphate with 13,5-15 H₂O (CAS 10043-01-3) Dermal LD50 Rabbit > 5000 mg/kg (ECHA_API) Oral LD50 Rat = 1930 mg/kg (NLM_HSDB) Calcium hydroxide (CAS 1305-62-0) Dermal LD50 Rat > 2500 mg/kg (ECHA_API) Inhalation LC50 Rat > 6.04 mg/L 4 h(ECHA_API) Oral LD50 Rat = 7340 mg/kg (NLM_CIP) Bentonite (CAS 1302-78-9) Oral LD50 Rat > 5000 mg/kg (IUCLID)
Skin corrosion/irritation	Irritating to skin and mucous membranes.
Serious eye damage/eye irritation	Causes serious eye damage.
Respiratory / Skin Sensitisation	None.
Carcinogenicity	Based on available data, the classification criteria are not met.
Germ cell mutagenicity	Based on available data, the classification criteria are not met.
Reproductive toxicity	Based on available data, the classification criteria are not met.
Specific target organ toxicity (single exposure)	No data available.
Specific target organ toxicity (repeated exposure)	No data available.
Aspiration hazard	No data available.
Human experience	This product has no known adverse effect on human health.

11.2. Information on other hazards

Information on likely routes of exposure	May have irritant effect: on eyes, on air passages.
Endocrine disrupting properties	No data available.
Other information	No data available.

SECTION 12: Ecological information

12.1. Toxicity This product has no known eco-toxicological effects.

Aluminium sulphate with 13,5-15 H₂O (CAS 10043-01-3)
Ecotoxicity - Freshwater Fish - Acute Toxicity Data LC50 96 h Pimephales promelas 27.9 mg/L [static] (ECHA)

Bentonite (CAS 1302-78-9)Ecotoxicity - Freshwater Fish -
Acute Toxicity Data

LC50 96 h Oncorhynchus mykiss 19000 mg/L [static] (EPA)

12.2. Persistence and degradability

Pigments are practically not biodegradable.

12.3. Bioaccumulative potential

Does not bioaccumulate.

12.4. Mobility in soil

The product is insoluble and sinks in water.

12.5. Results of PBT and vPvB assessment

No information available.

12.6. Endocrine disrupting properties

Endocrine disrupting chemical(s): Aluminiumsulfathydrat

12.7. Other adverse effects

No information available.

SECTION 13: Disposal considerations

13.1. Waste treatment methods**Waste from residues / unused products**

Taking into account local regulations the product may be disposed of as waste water after neutralisation.

Contaminated packaging

Offer rinsed packaging material to local recycling facilities.

SECTION 14: Transport information

14.1. UN number or ID number Not applicable.**14.2. UN proper shipping name** Not applicable.**14.3. Transport hazard class(es)** Not applicable.**14.4. Packing group** Not applicable.**14.5. Environmental hazards** Not applicable.**14.6. Special precautions for user** Not applicable.**14.7. Maritime transport in bulk according to IMO instruments** Not applicable.**UN Model Regulations****ADR/RID** Not regulated.**IMDG** Not regulated.

IATA	Not regulated.
Further Information	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

Regulatory Information The product is classified and labelled according to Regulation (EC) No. 1272/2008.

Aluminium sulphate with 13,5-15 H₂O (CAS 10043-01-3)

EU - REACH (1907/2006) - List of Registered Substances Present

Calcium hydroxide (CAS 1305-62-0)

EU - Biocides (528/2012/EU) - Active Substances 3 - Veterinary hygiene (Commission Implementing Regulation 2016/1935/EU)
2 - Disinfectants and algacides not intended for direct application to humans or animals (Commission Implementing Regulation 2016/1935/EU)

EU - Plant Protection Products (1107/2009/EC) - Active Substances Not included in Annex I to Directive 540/2011/EC

EU - REACH (1907/2006) - List of Registered Intermediates Present ([215-137-3])

EU - REACH (1907/2006) - List of Registered Substances Present

Bentonite (CAS 1302-78-9)

EU - Biocides (528/2012) - Annex I - Active Substances - Simplified Procedure Category 7 ([215-108-5])

EU - Plant Protection Products (1107/2009/EC) - Active Substances Clayed charcoal shall be used in accordance with the specific conditions included in the conclusions of the review report on clayed charcoal (SANTE/11267/2016) and in particular Appendices I and II thereof (listed under part C, Clayed charcoal)

15.2. Chemical safety assessment Not required.

SECTION 16: Other information

Revision Note Safety datasheet sections which have been updated: 3, 11, 12, 15.

Key or legend to abbreviations and acronyms CLP: Classification according to Regulation (EC) No. 1272/2008 (GHS)

Key literature references and sources for data Sources of key data used to compile the Safety Data Sheet: REACH, ECHA.

Classification procedure Calculation method.

Full text of phrases referred to under sections 2 and 3 H318: Causes serious eye damage.

**Instructions for use**

Restricted to professional users.

Disclaimer

The information provided in this Safety Data Sheet is correct to the best of our knowledge, information and belief at the date of its publication. The information given is designed only as a guidance for safe handling, use, processing, storage, transportation, disposal and release and is not to be considered a warranty or quality specification. The information relates only to the specific material designated and may not be valid for such material used in combination with any other materials or in any process, unless specified in the text.