



SAFETY DATA SHEET

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

Alca-Up

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

1.1. Product identifier

Product name	Alca-Up
Product code	None.
Unique formula identifier (UFI)	MKA0-10ME-T005-8D76

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

Use of the Substance/Mixture	<p>Properties: Increases total alkalinity, prevents pH fluctuations and balances water. The value of the total alkalinity has a large impact on the pH value and makes pH adjustment very difficult if there is a deviation from the target value.</p> <p>Dosage: 18g of the product increases the total alkalinity (TA) of 1 m³ of water by 10 mg/l (10 ppm).</p> <p>Application: Dissolve the required amount of Alca-Up in clear water in a clean container. Do not dose more than 75 g per 1 m³ of water per treatment.</p> <p>Tip: To prevent limescale precipitation and deposits, the addition of AQUEA Calcistop is recommended for hard water from 10° dH.</p>
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1.3. Details of the supplier of the safety data sheet

Company/Undertaking Identification	<p>CHEMIA BRUGG AG Aarauerstrasse 51 CH-5200 Brugg Telefon: +41 (0) 56 460 62 60 (08-17 Uhr) E-Mail: info@chemia.ch</p> <p>Ansprechpartner: Tobias Schild Telefon: +41 (0) 56 460 62 06 E-Mail: tobias.schild@chemia.ch www.chemia.ch</p>
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1.4. Emergency telephone 145 (Tox Info Suisse)

number

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Version 23.11

SECTION 2: Hazards identification

2.1. Classification of the substance or mixture

Classification according to Regulation (EC) No. 1272/2008 The substance or mixture is not classified.

In accordance with Regulation (EC) No. 1272/2008, the product does not need to be classified nor labelled.

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

2.2. Label elements

Signal Word -

Hazard Statements None.

Precautionary statements P101: If medical advice is needed, have product container or label at hand.
P102: Keep out of reach of children.
P501: Dispose of contents/ container to an approved waste disposal plant.

Supplemental information None.

Product identifier Not required.

2.3. Other hazards None known.

SECTION 3: Composition/information on ingredients

3.2. Mixtures

The product contains no substances classified as hazardous to health in concentrations which should be taken into account according to EC directives.

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 in case of accidental inhalation of vapours. Consult a physician for severe cases.
Skin contact	Remove contaminated clothes Wash off immediately with plenty of water for at least 15 minutes. If skin irritation persists, call a physician.
Eye contact	Immediately flush eye(s) with plenty of water. If easy to do, remove contact lens, if worn. Protect unharmed eye. If eye irritation persists, consult a specialist.
Ingestion	Clean mouth with water and drink afterwards plenty of water. Do not ingest emetic. Prevent vomiting if possible. Consult a physician for severe cases.

4.2. Most important symptoms and effects, both acute and delayed The product contains no substances known to be hazardous to health in concentrations which need to be taken into account.

4.3. Indication of any immediate medical attention and special treatment needed Show this safety data sheet to the attending physician.

SECTION 5: Firefighting measures

5.1. Extinguishing media

Suitable extinguishing media Use water spray, alcohol-resistant foam, dry extinguishing agent or carbon dioxide.

Unsuitable extinguishing media High volume water jet.

5.2. Special hazards arising from the substance or mixture During a fire, smoke may contain the original material in addition to unidentified toxic and/or irritating compounds.

5.3. Advice for firefighters

Special protective equipment for firefighters Wear self-contained breathing apparatus and protective suit. Standard procedure for chemical fires. In the event of fire and/or explosion do not breathe fumes.

Specific methods Use extinguishing agents individually or in combination. Pipe operators and support are to be equipped with respiratory protection. Use extinguishing measures that are appropriate to local circumstances and the surrounding environment. Water mist may be used to cool closed containers. Prevent fire extinguishing water from contaminating surface water or the ground water system.

SECTION 6: Accidental release measures

6.1. Personal precautions, protective equipment and emergency procedures

For non-emergency personnel

Use personal protective equipment. Ensure adequate ventilation. Avoid dust formation. Avoid contact with skin and eyes. Do not breathe vapours/dust. Evacuate personnel to safe areas.

For emergency responders

Personal protection through wearing a tightly closed chemical protection suit and a self-contained breathing apparatus. Use personal protective equipment. Ensure adequate ventilation. Avoid dust formation. Avoid contact with skin and eyes. Do not breathe vapours/dust. Evacuate personnel to safe areas.

6.2. Environmental precautions

Prevent product from entering surface water or sewage. Do not flush into surface water or sanitary sewer system.

6.3. Methods and material for containment and cleaning up

Clean up promptly by sweeping or vacuum. Pick up dry. Avoid formation of dust. After cleaning, flush away traces with water. Keep in suitable and closed containers for disposal (Plastic container of HDPE).

6.4. Reference to other sections

See sections 8 and 13.

SECTION 7: Handling and storage

7.1. Precautions for safe handling

Wear personal protective equipment. Use only with adequate ventilation. Avoid dust formation. Avoid contact with skin and eyes. When using, do not eat, drink or smoke.

7.2. Conditions for safe storage, including any incompatibilities

Store in a place accessible by authorized persons only. Store in original container. Keep containers tightly closed in a dry, cool and well-ventilated place. Storage class 13.

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.

8.2. Exposure controls

Appropriate engineering controls

Handle in accordance with good industrial hygiene and safety practice. General industrial hygiene practice. Ensure adequate ventilation, especially in confined areas. Avoid contact with skin, eyes and clothing. When using, do not eat, drink or smoke.

Personal protection equipment

<i>Respiratory protection</i>	In case of good ventilation no personal respiratory protective equipment required.
<i>Hand protection</i>	The selected protective gloves have to satisfy the specifications of Regulation (EU) No. 2016/425 and the standard EN 374 derived from it. Gloves made of Nitril. Minimum layer thickness. ≥ 0.38 mm Break through time: ≥ 480 min. Gloves made of Butyl. Minimum layer thickness. ≥ 0.50 mm Break through time: ≥ 480 min.
<i>Eye protection</i>	Safety glasses with side-shields conforming to EN166.
<i>Skin and body protection</i>	Wear suitable protective clothing Wear suitable protective clothing.
<i>Thermal hazards</i>	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	White.
Odour	None.
Melting point/ freezing point:	$>245^{\circ}\text{C}$
Boiling point or initial boiling point / range:	not applicable
Flammability:	The product is not flammable
Lower and upper explosion limit:	No data available
Flash point:	Not determined.
Auto-ignition temperature:	Not determined.
Decomposition temperature:	$>100^{\circ}\text{C}$
pH:	8.4 - 8.6 (wässrige Lösung: 50g/l bei 20°C)1, 20°C
Kinematic viscosity:	not applicable
Solubility:	95,5 g/l (Water)
Partition coefficient n-octanol/water (log value):	Not determined.
Vapour pressure:	Not determined.
Density and/or relative density:	2.2g/cm ³
Relative vapour density:	Not determined.
Particle characteristics:	Not applicable.

9.2. Other information

9.2.1 Information with regard to physical hazard classes	No information available.
9.2.2 Other safety characteristics	No information available.

SECTION 10: Stability and reactivity

10.1. Reactivity	This material is non-reactive under normal ambient conditions.
10.2. Chemical stability	No decomposition if used as directed.
10.3. Possibility of hazardous reactions	Violent reaction with: Strong acids.
10.4. Conditions to avoid	Strong heating Vapours in contact with fire or red-hot surfaces may form decomposition products with highly irritating and warning effects.
10.5. Incompatible materials	No information is available.
10.6. Hazardous decomposition products	None under normal use. See section 5

SECTION 11: Toxicological information

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

Acute toxicity	No data is available on the product itself.
Skin corrosion/irritation	Not classified based on the information available.
Serious eye damage/eye irritation	Not classified based on the information available.
Respiratory / Skin Sensitisation	Not classified based on the information available.
Carcinogenicity	No component of this product present at levels greater than or equal to 0.1% is identified as a known or anticipated carcinogen by NTP.
Germ cell mutagenicity	Not classified as a germ cell mutagen (mutagenic).
Reproductive toxicity	Not classified as toxic to reproduction.
Specific target organ toxicity (single exposure)	Not classified based on the information available.
Specific target organ toxicity (repeated exposure)	Not classified based on the information available.
Aspiration hazard	Not classified based on the information available.
Human experience	This product has no known adverse effect on human health.

11.2. Information on other hazards

Endocrine disrupting properties	The substance / mixture does not contain any components which, according to REACH Article 57 (f) or the delegated regulation (EU) 2017/2100 of the commission or the delegated regulation (EU) 2018/605 of the commission in amounts of 0, Have 1% or more endocrine disrupting properties.
Other information	No data available.

SECTION 12: Ecological information

12.1. Toxicity	No data is available on the product itself.
12.2. Persistence and degradability	The methods for determining the biodegradability are not applicable to inorganic substances.
12.3. Bioaccumulative potential	No data is available on the product itself.
12.4. Mobility in soil	No data is available on the product itself.
12.5. Results of PBT and vPvB assessment	This substance / mixture does not contain any components in concentrations of 0.1% or higher that are either classified as persistent, bioaccumulative and toxic (PBT) or very persistent and very bioaccumulative (vPvB).
12.6. Endocrine disrupting properties	The substance / mixture does not contain any components which, according to REACH Article 57 (f) or the delegated regulation (EU) 2017/2100 of the commission or the delegated regulation (EU) 2018/605 of the commission in amounts of 0, Have 1% or more endocrine disrupting properties.
12.7. Other adverse effects	No information available.

SECTION 13: Disposal considerations

13.1. Waste treatment methods

Waste from residues / unused products	Product residues are in compliance with the regulation on the avoidance and the Disposal of waste (waste ordinance, VVEA, SR 814.600), the ordinance on the movement of waste (VeVA, SR 814.610) and the UEVK ordinance on lists for disposal with waste (LVA, SR 814.610.1). chemicals in keep the original containers. Do not mix with other waste.
Contaminated packaging	Dispose of as unused product.

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	CPID (CH): 876500-74 Water contaminating class (WGK Germany) = 1. Storage class 13. VOC (CH) = 0%
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15.2. Chemical safety assessment	No chemical safety assessment has been carried out for this substance/product.
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SECTION 16: Other information

Revision Note	First version.
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Key or legend to abbreviations and acronyms

ACGIH: American Conference of Industrial Hygienists
CLP: Classification according to Regulation (EC) No. 1272/2008 (GHS)
DNEL: Derived No Effect Level .
EWC: European Waste catalogue code
LOAEC: Lowest Observed Adverse Effect Concentration
MAK: Occupational exposure limit.
NOAEC No Observed Adverse Effect Concentration
NOAEL: No observed adverse effect level .
OECD: Organisation for Economic Co-operation and Development
OEL: Occupational Exposure Limits for Hazardous Agents in the Workplace
OSHA: Occupational Safety and Health Administration (USA)
PEC: Predicted exposure concentration .
PEL: Permissible Exposure Limit
PNEC: Predicted No Effect Concentration .
STEL: Short Term Exposure Limit
TLV: Threshold limit value
TWA: time weighted average
VeVA: Ordinance on the Treatment of Waste (SR 814.610)
VOC: Volatile organic compounds (VOC) content
WEL: workplace exposure limit

Classification procedure

Classification according to Regulation (EC) No. 1272/2008.

Full text of phrases referred to under sections 2 and 3

None.

Further information

Not relevant.

Instructions for use

Use only in accordance with our recommendations.

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.