

## Safety Data Sheet

according to Regulation (EC) Nr. 1907/2006 (REACH)

Print date: 15.04.2017

Revision number 3.1

Version date: 15.04.2017

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

#### 1.1 Product identifier

- **Product name:** ClauFit
- **Product codes:** 2775, 2776, 2778

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

- **Identified uses of the substance or mixture**  
Claw care product

#### 1.3 Details of the supplier of the safety data sheet

Albert Kerbl GmbH  
Felizenzell 9  
D-84428 Buchbach  
www.kerbl.com  
Tel.: 0049-(0)8086-933-100  
E-Mail: info@kerbl.com

- **Responsible Department:**  
Albert Kerbl GmbH  
Tel.: 0049-(0)8086-933-104  
E-Mail: bm@kerbl.com

#### 1.4 Emergency telephone number:

Gemeinsames Giftinformationszentrum der Länder Mecklenburg-Vorpommern, Sachsen,  
Sachsen-Anhalt und Thüringen  
c/o HELIOS Klinikum Erfurt Nordhäuser Straße 74  
Tel.: (03 61) 73 07 30 - Fax: (03 61) 7 30 73 17  
E-Mail: ggiz@ggiz-erfurt.de - Internet: www.ggiz-erfurt.de

### 2 Hazards identification

#### 2.1 Classification of the substance or mixture

**Classification according to Regulation (EC) Nr. 1272/2008**

Corrosive to metals: Met. Corr. 1 (H290)  
Skin corrosion/irritation: Skin Corr. 1A (H314)

#### 2.2 Label elements

**Label elements according to Regulation (EC) Nr. 1272/2008 (CLP/GHS)**

Hazard pictograms



GHS05 - Corrosion

**Signal word**

Danger



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### Hazard statements

H290 - May be corrosive to metals.

H314 - Causes severe skin burns and eye damage.

### Precautionary statements

P234 - Keep only in original container.

P260 - Do not breathe dust/fume/gas/mist/vapours/spray.

P280 - Wear protective gloves/protective clothing/eye protection/face protection.

P304+P340 - IF INHALED: Remove person to fresh air and keep comfortable for breathing.

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/doctor

#### Others:

P264 - Wash hands thoroughly after handling.

P301+P330+P331 - IF SWALLOWED: rinse mouth. Do NOT induce vomiting.

P303+P361+P353 - IF ON SKIN (or hair): Take off immediately all contaminated clothing. Rinse skin with water/shower.

P321 - Specific treatment (see information on this label).

P363 - Wash contaminated clothing before reuse.

P390 - Absorb spillage to prevent material damage.

P405 - Store locked up.

P406 - Store in corrosive resistant container with a resistant inner liner.

P501 - Dispose of contents/container to waste disposal site in accordance with local/national regulations.

### 2.3 Other hazards

· None

## 3 Composition/information on ingredients

### Chemical Characterization: Mixtures

#### Hazardous ingredients:

CAS: 64-19-7	Acetic acid	25-50%
EC-Nr. 200-580-7	Flam. Liq. 3, H226; Skin Corr. 1A, H314	
Index-Nr. 607-002-00-6		

#### Additional information:

The wording of the listed risk phrases and hazard statements refer to section 16.

## 4 First aid measures

### 4.1 Description of first aid measures

#### · General information:

As a general rule, in case of doubt or if symptoms persist, always call a doctor. NEVER induce swallowing by an unconscious person.

#### · Inhalation:

Move to fresh air. If symptoms persist, call a physician.

#### · Skin contact:

Rinse abundantly in the water and in the soap. Cover wound with sterile. Seek medical treatment.



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**· Eye contact:**

Rinse opened eye for several minutes under running water. Then consult a doctor.

Remove contact lenses.

**· Ingestion:**

Rinse out mouth and then drink plenty of water.

In case of doubt or if symptoms persist, call a doctor.

**4.2 Most important symptoms and effects, both acute and delayed**

No further relevant information available.

**4.3 Indication of any immediate medical attention and special treatment needed**

No further relevant information available.

## 5 Firefighting measures

**5.1 Extinguishing media**

Suitable methods of extinction - In the event of a fire, use: sprayed water or water mist, foam, multipurpose ABC powder, BC powder, carbon dioxide (CO<sub>2</sub>)

Unsuitable methods of extinction - In the event of a fire, do not use: water jet

**5.2 Special hazards arising from the substance or mixture**

A fire will often produce a thick black smoke. Exposure to decomposition products may be hazardous to health. Do not breathe in smoke. In the event of a fire, the following may be formed: carbon monoxide (CO), carbon dioxide (CO<sub>2</sub>)

**5.3 Advice for firefighters**

**Special protective equipment:** Wear self-contained breathing apparatus.

**Further information**

Dispose fire residues and contaminated fire fighting water in accordance with official regulations.

## 6 Accidental release measures

**6.1 Personal precautions, protective equipment and emergency procedures**

Wear suitable personal protective equipment. Keep unprotected people away and stay on windward side. Consult the safety measures listed under headings 7 and 8.

**6.2 Environmental precautions:**

Inform respective authorities in case of seepage into water course or sewage system.

Prevent any material from entering drains or waterways.

**6.3 Methods and material for containment and cleaning up:**

Contain and control the leaks or spills with absorbent materials such as sand, earth, vermiculite, diatomaceous earth in drums for waste disposal (see chapter 13). Use neutralizing agent. Ensure adequate ventilation.

**6.4 Reference to other sections**

Informationen regarding safe handling see chapter 7.

Informationen regarding personal protection see chapter 8.

Informationen regarding disposal see chapter 13.



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### 7 Handling and storage

#### 7.1 Precautions for safe handling

Ensure good ventilation / exhaustion at the workplace.

#### 7.2 Conditions for safe storage, including any incompatibilities

Requirements to be met by storerooms and receptacles: Store only in the original container.

Common storage facility: Do not store together with alkalis (caustic solutions).

Store away from foodstuffs. Store away from metals.

Further information about storage conditions: Protect from frost.

Keep container tightly closed.

Recommended storage temperature: 5-30 ° C

#### 7.3 Specific end use(s) Keep out of reach of children.

### 8 Exposure controls/personal protection

#### 8.1 Control parameters

Occupational exposure limits	Exposure		ml/m <sup>3</sup>	mg/m <sup>3</sup>	Remarks
	Country	limit			
<b>64-19-7</b>	<b>EU</b>	OEL	10	25	8 h
Essigsäure	<b>D, TRGS 900</b>	AGW	10	25	8 h 2(l), DFG, EU, Y
			20	50	15 min
acetic acid	<b>UK, WEL</b>	TWA	10	25	8 h (2003)
			15	37	15 min (2003)
acide acétique	<b>F, INRS</b>	VLE	10	25	15 min

#### 8.2 Exposure controls / Personal protection

Use personal protective equipment that is clean and has been properly maintained. Store personal protective equipment in a clean place, away from the work area. Never eat, drink or smoke during use. Remove and wash contaminated clothing before re-using. Ensure that there is adequate ventilation, especially in confined areas. Keep away from foodstuffs, beverages and feed.

##### Eye / face protection

Avoid contact with eyes. Use eye protectors designed to protect against liquid splashes. Before handling, wear safety goggles with protective sides accordance with standard EN166. In the event of high danger, protect the face with a face shield. When spraying, wear a face shield in accordance with standard EN166. Prescription glasses are not considered as protection. Individuals wearing contact lenses should wear prescription glasses during work where they may be exposed to irritant vapours. Provide eyewash stations in facilities where the product is handled constantly.

##### Hand protection

Avoid contact with skin. Wash hands before breaks and at the end of work. Wear suitable protective gloves in the event of prolonged or repeated skin contact. Use suitable protective gloves that are resistant to chemical agents in accordance with standard EN374. Gloves must be selected according to the application and duration of use at the workstation.



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Type of gloves recommended :

- Natural latex
- Nitrile rubber (butadiene-acrylonitrile copolymer rubber (NBR))
- PVC (polyvinyl chloride)
- Butyl Rubber (Isobutylene-isoprene copolymer)

Recommended properties :

- Impervious gloves in accordance with standard EN374

### Skin protection (other than of the hands)

Work clothing worn by personnel shall be laundered regularly. After contact with the product, all parts of the body that have been soiled must be washed.

### Respiratory protection

Do not inhale gases / fumes / aerosols. In case of brief exposure or low pollution use respiratory filter device. In case of intensive or longer exposure use self-contained respiratory protective device..

### Thermal hazards

No data available.

### Exposure controls regarding environmental protection

No data available.

## 9 Physical and chemical properties

### 9.1 Information on basic physical and chemical properties

- **General Information**
- **Appearance:**
  - Form: liquid
  - Colour: brown - green
- **Odour:** pungent
- **Smell Threshold:** not determined
- **pH:** 1-2
- **Change of state**
  - Melting point/range: not determined
  - Boiling point/range: 100 °C
- **Flash point:** >100 °C
- **Flammability (solid, gas):** not inflammable
- **Ignition temperature:** 485 °C
- **Thermal decomposition:** not determined
- **Autoinflammability:** Product is not selfigniting
- **Explosion hazard:** Product does not present an explosion hazard
- **Explosion limits:**
  - Lower: 4,0 Vol.-%
  - Upper: 17,0 Vol.-%
- **Vapour pressure at 20 °C:** 23 hPa
- **Density:** not determined
- **Bulk density** not determined
- **Vapour density** not determined
- **Evaporation rate** not determined



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### · Solubility / miscibility

- |                                                   |                |
|---------------------------------------------------|----------------|
| · <b>Water:</b>                                   | soluble        |
| · <b>Partition coefficient (n-Octanol/Water):</b> | not applicable |
| · <b>Viscosity:</b>                               | not determined |
| · <b>Oxidising properties</b>                     | not determined |

### 9.2 Other information

No data available.

## 10 Stability and reactivity

### 10.1 Reactivity

Corrosive to metals. Reacts with alkali (lye).

### 10.2 Chemical stability

None, under the recommended handling and storage conditions, see chapter 7.

### 10.3 Possibility of hazardous reactions

Corrosive to metals. Reacts with alkali (lye).

### 10.4 Conditions to avoid:

See chapter 7.

### 10.5 Incompatible materials:

Amines, metals, strong alkalis.

### 10.6 Hazardous decomposition products:

None, under the recommended handling and storage conditions, see chapter 7.

## 11 Toxicological information

### 11.1 Information on toxicological effects

#### Acute toxicity:

#### LD/LC50 values relevant for classification:

Oral LD-50 >3000 mg/kg (Rat)

#### Skin corrosion/irritation:

Causes severe skin burns.

#### Eye damage/irritation:

Causes severe eye damage.

#### Sensitisation, respiratory or skin:

No effects known.

#### Carcinogenicity, mutagenicity, and toxicity for reproduction (CMR):

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

#### Specific target organ toxicity (STOT), single/repeated exposure:

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

#### Aspiration hazard:

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

#### Additional toxicological information:

Ingestion: severe burns of the mouth and throat. The danger of perforation of the esophagus and stomach. Spray application with insufficient exhaust: can cause serious irritation of the respiratory tract by aerosol droplets! Please observe the notes in chapter 8.



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### 12 Ecological information

#### 12.1 Toxicity

##### Aquatic Toxicity:

LC-50 >100 mg/l (Vertebrata)

#### 12.2 Persistence and degradability

Easily eliminated from water.

Behaviour in sewage processing plants: EC50 > 100 mg / l (activated sludge)

Elimination of > 98% (OECD 302 B)

#### 12.3 Bioaccumulative potential

No data available.

#### 12.4 Mobility in soil

No data available.

#### 12.5 Results of PBT and vPvB assessment

No data available.

#### 12.6 Other adverse effects

No data available.

General information:

Do not allow undiluted or unneutralized enter drains or drainage. Rinse off of bigger amounts into drains or the aquatic environment may lead to pH-lowering. A low pH-value harms aquatic organisms. In the dilution of the use-level the pH-value is considerably increased. Therefore, after use of the product effluents entering into drains are only slightly hazardous for water.

### 13 Disposal considerations

#### 13.1 Waste treatment methods

Must not be disposed together with household garbage. Do not allow product to reach sewage system. After prior treatment product has to be disposed of in an incinerator for hazardous waste adhering to the regulations pertaining to the disposal of particularly hazardous waste.

##### **Disposal of the product / packaging**

Waste codes / waste designations according to EWC

02 01 08\* Agrochemical waste containing dangerous substances.

##### **Additional information**

Contaminated packaging: Disposal must be made according to official regulations. Recommended cleaning agent: Water, if necessary together with cleansing agents.

### 14 Transport information

#### 14.1 UN number

UN2790

#### 14.2 UN proper shipping name

ACETIC ACID SOLUTION

#### 14.3 Transport hazard class(es)

8

#### 14.4 Packing group

III

#### 14.5 Environmental hazards

none

#### 14.6 Special precautions for user

Warning: Corrosive substances

#### 14.7 Transport in bulk according to Annex II of MARPOL 73/78 and the IBC Code

Not applicable.



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### 15 Regulatory information

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

##### EU-Regulations

none

##### National Regulations

##### Germany: Wassergefährdungsklasse (WGK)

slightly hazardous to water (WGK 1) Classification according to VwVwS

**15.2 Chemical safety assessment:** A Chemical Safety Assessment has not been carried out.

### 16 Other information

Since the user's working conditions are not known by us, the information supplied on this safety data sheet is based on our current level of knowledge and on national and community regulations. The mixture must not be used for other uses than those specified in section 1 without having first obtained written handling instructions. It is at all times the responsibility of the user to take all necessary measures to comply with legal requirements and local regulations. The information in this safety data sheet must be regarded as a description of the safety requirements relating to the mixture and not as a guarantee of the properties thereof.

#### Revision notes

\* Changes since the last version

#### Abbreviations

WGK : Wassergefährdungsklasse (Water Hazard Class).

#### Title for H and EUH indications (Number and text)

H226 - Flammable liquid and vapour.

H290 - May be corrosive to metals.

H314 - Causes severe skin burns and eye damage.

#### Methods of evaluating information referred to in Article 9 of Regulation (EC) No 1272/2008 for the purpose of classification

Classification based on the components