

## Safety Data Sheet

according to 1907/2006/EC, Article 31

Issue Date: 01/02/2021

Version-no.: 1.00

Revised on: 01/02/2021

**Trade Name: Vinegar Cleaner**

### SECTION 1: Identification of the substance/preparation and of the company/undertaking

#### **1.1 Product identifier:**

**Commercial name:** Vinegar Cleaner

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

**Use of the substance/mixture:** Detergent

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

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#### **1.3 Emergency telephone number**

+ 27 13 11 26 Poison Centre 24-hour Advice Line

+ 27 861 555 777 - Poison Information Help Line

### SECTION 2: Hazards identification

#### **2.1 Classification of the substance or mixture**

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

Skin Sens. 1 H317: May cause an allergic skin reaction.

#### **2.2 Label elements**

**Labelling according to EC-Directive: 1999/45/EC****Hazard pictogram:** Caution**Signal word:** Void**Hazard-determining components of labelling:** Cocamidopropyl-Betaine, Acetic acid (INCI), Citric Acid**Hazard statements:**

H317 May cause an allergic skin reaction.

**Precautionary Statements:**

P261 Avoid breathing dust/fume/gas/mist/vapours/spray.

P272 Contaminated work clothing should not be allowed out of the workplace.

P280 Wear protective gloves.

P302+P352 IF ON SKIN: Wash with plenty of soap and water.

P362+P364 Take off contaminated clothing and wash before reuse.

P333+P313 If skin irritation or rash occurs: Get medical advice/attention.

P321 Specific treatment (see on this label).

P501 Dispose of contents/container in accordance with local / regional / national / international regulations.

**Additional information:**

P102 Keep out of reach of children.

P233 Keep container tightly closed.

P305+P351+P338 IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses if present and easy to do – continue rinsing.

P501 Dispose of contents/container in accordance with local / regional / national / international regulations.

**Special Labelling of specific mixtures:** Safety data sheet available upon request for professional use.

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### 2.3 Other hazards

No information available.

## SECTION 3: Composition/information on ingredients

### 3.1 Chemical characterisation: Mixtures

Hazardous ingredients:		
CAS: 61789-40-0 EC-no.: 263-058-8	Cocamidopropyl-Betaine	<1%
	Skin Irrit. 2, H315; Eye Irrit. 2, H319; Skin Sens. 1, H317; Aquatic Chronic 3, H412	
CAS: 64-19-7 EC-no.: 200-580-7 Index no.: 011-005-00-2	Acetic acid (INCI)	<4%
	Flam. Liq. 3; H226. Skin Corr. 1A; H314	
CAS: 68439-50-9 EC no.: 932-106-6	Citric Acid	<2%
	Flam. Liq. 3; H226. Skin Corr. 1A; H314	
Classification (REGULATION (EC) No. 1272/2008)		

You may find the full text of the hazard statements listed in section 16.

## SECTION 4: First aid measures

### 4.1 Description of first aid measures

<b>General notes:</b>	no special first aid measures required.
<b>After Inhalation:</b>	In case of Inhalation of combustion gas, decomposition products or dust in the accident, move to fresh air. In case of persistent symptoms, seek medical advice.
<b>After skin contact:</b>	Rinse with water
<b>After contact with eyes:</b>	Protect unharmed eye. Remove contact lenses, if present and easy to do. Immediately rinse with plenty of water for at least 15 Minutes, also under the eyelids. Keep eyes wide-open when doing so.
<b>Following ingestion:</b>	Rinse mouth with water and drink plenty of water. Do not drink milk or alcohol. Never introduce anything into the mouth of an unconscious person.

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

**Symptoms:** No information available.

**Risks:** No information available.

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

**Treatment:** The doctor should turn to the poison control centre for advice from a specialist.

## SECTION 5: Firefighting measures

### 5.1 Extinguishing media:

**Suitable extinguishing media:** Adapt the extinguishing measures to the surroundings.

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

**Specific hazards during firefighting:** Do not let firefighting water enter the sewerage system or watercourses.

**Hazardous combustion products:**

### **5.3 Advice for firefighting**

**Special protective equipment for firefighters:** In case of fire, wear self-contained breathing apparatus.

**Further information:** Collect contaminated extinguishing water separately, do not allow to reach sewage or effluent systems. Fire residues and contaminated fire extinguishing water must be disposed of in accordance with local regulations.

## **SECTION 6: Accidental release measure**

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

**Personal precautions:** Use personal protective equipment.

### **6.2 Environmental precautions**

Prevent the material from entering the sewerage or watercourses.

No special environmental precaution required.

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

**Cleaning procedure:** Neutralise with alkaline solutions, calcium oxide or ammonia.

Wipe up with adsorbent material (e.g. cloth, fleece).

Keep in suitable and closed containers for disposal.

### **6.4 Reference to other sections**

For personal protection see section 8.

Treat recovered material as prescribed in section Disposal.

See section 15 for national legal provisions.

## **SECTION 7: Handling and storage**

### **7.1 Precautions for safe handling**

**Information for safe handling:** For personal protection see section 8. No special handling precaution required.

**Precautions against fire and explosion:** Usual measures of the preventive fire protection.

**Hygiene measures:** General industrial hygiene practice.

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

**Requirements for storage facilities:** Store tightly close container in a dry and well-ventilated area

Keep in the original container and at room temperature.

**Information on storage with other products:** No special incompatible products to mention.

**Storage category (VCI):** 12, non-flammable liquids

**Other information:** No decomposition if stored and used according to specifications.

### **7.3 Specific end use(s)**

**Specific end use(s):** Detergent

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### SECTION 8: Exposure controls/personal protection

#### 8.1 Control parameters

Ingredients	CAS-No.	Value Type (Type of exposure)	Parameter to monitor	Status	Basis
64-19-7	ACETIC ACID	TWA	10 ppm 25 mg/m <sup>3</sup>	1991-07-05	91/322/EEC
Further Information: indicative					
64-19-7	ACETIC ACID	AGW	10 ppm 25 mg/m <sup>3</sup>	2010-08-04	DE TRGS 900
Further Information: DFG: Senate Commission on the testing of materials injurious to health of the German Research Association (MAK Commission) European Union (EU has determined an air threshold: value and peak limit deviations are possible.) No need to fear foetal impairment when complying with the occupational limit value and the biological limit values (BLVs).					

#### 8.2 Exposure controls

##### Personal Protection:

##### Eye protection:

protective goggles

##### Hand protection:

##### material:

Chemical protective gloves made from butyl or nitrile rubber of category III according to EN 374.

##### Glove thickness:

0.4 mm

##### Remarks:

Pay attention to the manufacturer's information regarding permeability and breakthrough time as well as the special conditions at the workplace (mechanical load, contact duration).

Use gloves for prolonged or repeated contact.

##### Skin and body protection:

protective suit

##### Respiratory protection:

Normally, no personal respiratory protection required.

##### Environmental Exposure Controls:

##### General information:

Prevent the material from entering the sewerage or watercourses.  
No special environmental precaution required.

### SECTION 9: Physical and chemical properties

#### 9.1 Information on basic physical and chemical properties

Appearance:	fluid
Colour:	Clear
Odour:	acetic acid
Odour threshold:	No data available
pH-Value:	approximately 2.2
Melting point:	No data available
Initial boiling point:	No information available
Flash point:	not applicable
Evaporation rate:	No data available
Flammability (solid, gas):	No data available
Burning rate:	No data available
Lower explosive limit:	No data available
Upper explosive limit:	No data available
Vapour pressure:	No data available
Relative vapour density:	No data available
Relative density:	No data available
Density:	approximately 1.012 g/cm <sup>3</sup>

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<b>Solubility in Water:</b>	soluble
<b>Solubility in other solvents:</b>	No data available
<b>Partition coefficient:</b>	
<b>noctanol/Water:</b>	No data available
<b>Ignition temperature:</b>	No data available
<b>Thermal decomposition:</b>	No data available
<b>Viscosity, dynamic:</b>	No data available
<b>Viscosity, kinematic:</b>	No data available
<b>Explosive properties:</b>	No data available
<b>Oxidising characteristics:</b>	No data available

### 9.2 Other information

None

## SECTION 10: Stability and reactivity

### 10.1 Reactivity

Stable under the indicated storage conditions.

No hazardous reaction known, if used according to the specifications.

### 10.2 Chemical stability

No decomposition if stored and used according to the specifications.

### 10.3 Possibility of hazardous reactions

**Hazardous reactions:** No special hazard to mention

### 10.4 Conditions to avoid

**Conditions to avoid:** No data available

### 10.5 Incompatible materials

**Materials to avoid:** No data available

### 10.6 Hazardous decomposition products

**Hazardous decomposition products:** No hazardous decomposition products known.

**Other information:** No hazardous decomposition products known.

## SECTION 11: Toxicological information

### 11.1 Information on toxicological effects

#### **Product:**

<b>Acute oral toxicity:</b>	Estimated acute toxicity: > 2.000 mg/kg
<b>Method:</b>	calculation method
<b>Skin corrosion/irritation:</b>	According to the classification criteria from EU, the product is not skin-irritating.
<b>Serious eye damage/irritation:</b>	According to the classification criteria from EU, the product is not eye-irritating.
<b>Respiratory or skin sensitisation:</b>	No data available
<b>Other Information:</b>	No data available

### Ingredients:

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<b>64-19-7:</b>	
Acute oral toxicity:	LD50 Rats: 3,310 mg/kg
Acute inhalative toxicity:	LC50 Rats: 40 mg/l Exposure time: 4 h  LC50 Mouse: 5,620 mg/l Exposure time: 1 h
Acute dermal toxicity:	LD50 Rabbits: 1,060 mg/kg
<b>68439-50-9:</b>	
Acute oral toxicity:	LD50 Oral Rats: > 300 – 2,000 mg/kg
Acute dermal toxicity:	LD50 Dermal Rabbits: > 2,000 mg/kg
Germ cell mutagenicity Genotoxicity in vitro:	Type: Ames test result: negative
Reproductive toxicity:	Species: Rats NOAEL: > 250 mg/kg, F1: > 250 mg/kg, F2: > 250 mg/kg
Teratogenicity:	Species: Rats Application channel: Oral > 50 mg/kg > 50 mg/kg  Species: Rats Application channel: Skin > 250 mg/kg > 250 mg/kg

### SECTION 12: Ecological information

#### 12.1 Toxicity

##### Ingredients:

<b>64-19-7:</b>	
Toxicity to fish:	LC50 (Lepomis macrochirus (Sunfish)): 75 mg/l Exposure time: 96 h  LC50 (Oncorhynchus mykiss (Rainbow Trout)): > 300.82 mg/l Exposure time: 96 h Method: OECD-test guideline 203
Toxicity to daphnids and other aquatic invertebrates:	EC50 (Daphnia magna (Large Water Flea)): > 300.82 mg/l Exposure time: 48 h Method: OECD-test guideline 202
Toxicity to bacteria:	EC10 (Pseudomonas putida): 1,000 mg/l Exposure time: 30 min
<b>68439-50-9:</b>	
Toxicity to fish:	LC50 (Cyprinus carpio (Carps)): > 1 - 10 mg/l Exposure time: 96 h Method: OECD-test guideline 203  LC50 (Fisch): > 1 mg/l Exposure time: 96 h

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Toxicity to daphnids and other aquatic invertebrates:	EC50 (Daphnia magna (Large Water Flea)): > 1 - 10 mg/l Exposure time: 48 h Method: OECD-test guideline 202
Toxicity to algae:	EC50 (Desmodesmus subspicatus (green alga)): > 1 - 10 mg/l Exposure time: 72 h Method: OECD-test guideline 201
Toxicity to bacteria:	EC50 (bacteria): 140 mg/l
Toxicity to soil dwelling organisms:	220 mg/kg Species: Eisenia fetida (Earthworms)
Plant toxicity:	10 mg/l Species: Lepidium sativum (Cress) Method: see free text

### 12.2 Persistence and degradability

#### Ingredients:

<b>64-19-7:</b>	
Biodegradability:	Result: readily biodegradable. Biodegradation: 95 %
<b>68439-50-9:</b>	
Biodegradability:	Result: readily biodegradable. Biodegradation: > 70 % Exposure time: 28 d Method: OECD 301 A  Result: readily biodegradable Biodegradation: > 60 % Exposure time: 28 d Method: OECD 301 B

### 12.3 Bioaccumulative potential

#### Ingredients:

<b>64-19-7:</b>	
Bioaccumulation:	No bioaccumulation
<b>68439-50-9:</b>	
Partition coefficient: n- octanol/water	log Pow: -0,17

### 12.4 Mobility in soil

### 12.5 Results of PBT and vPvB assessment

### 12.6 Other adverse effects

#### Product:

**Other ecological information:** No data available for this product.

## SECTION 13: Disposal considerations

### 13.1 Waste treatment methods

**Product:** Bring residues and non-reusable solutions to a recognized waste management company.

**Contaminated packaging:** Discharge residue.

Bring empty container to a recognised waste facility in order to recycle or dispose.

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### SECTION 14: Transport information

#### **14.1 UN-Number**

**ADR**

No dangerous goods

**IMDG**

No dangerous goods

**IATA**

No dangerous goods

#### **14.2 UN proper shipping name**

**ADR**

No dangerous goods

**IMDG**

No dangerous goods

**IATA**

No dangerous goods

#### **14.3 Transport hazard class**

**ADR**

No dangerous goods

**IMDG**

No dangerous goods

**IATA**

No dangerous goods

#### **14.4 Packing group**

**ADR**

No dangerous goods

**IMDG**

No dangerous goods

**IATA**

No dangerous goods

#### **14.5 Environmental hazards**

**ADR**

No dangerous goods

**IMDG**

No dangerous goods

**IATA**

No dangerous goods

#### **14.6 Special precautions for user**

For personal protection see section 8.

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

No data available



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### SECTION 15: Regulatory information

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

**Hazardous Incident Ordinance 96/82/EC:** Status: 2003

Guideline 96/82/EC is not applicable

**Water hazard classes:**

WGK 1 slightly hazardous to water

**Technical instruction air:**

Total dust: not applicable

Inorganic particulate matter: not applicable

Inorganic substances in forms of gas and vapour: not applicable

Organic substances: Unit classes 2: 6 %

Carcinogenic substances: not applicable

Mutagenic: not applicable

Toxic for reproduction: not applicable

**Volatile organic compounds (VOC) content:** Volatile percentage: 6 %

702.97 g/l

VOC (volatile organic compound)-content minus water

**Volatile organic compounds (VOC) content:** Volatile percentage: 6 %

60.72 g/l

VOC (volatile organic compound)-content valid for coating materials for wood surfaces

#### 15.2 Chemical Safety Assessment

No data available for this product.

### SECTION 16: Other information

#### **Full text of R-statement**

Acute Tox.	Acute toxicity
Eye Dam.	Serious eye damage/
Flam. Liq.	flammable liquids
R10	flammable

#### **Full text of H-statement**

H226	Flammable liquid and vapour.
H302	Harmful if swallowed.
H314	Causes severe skin burns and eye damage.
H318	Causes serious eye damage.

The information in this safety data sheet is based on our present experiences to the best of our knowledge at the time of the revision. The information is intended to give you advice about the safe handling of the product named in this safety data sheet, regarding storage, processing, transport and disposal. The information cannot be transferred to other products. In the case of blending, mixing or handling the product named in this safety data sheet with other materials, or in the case of processing, the information on this safety data sheet is not necessarily valid for the new made-up material, unless specified in the text.