



Safety data sheet
COMMISSION REGULATION (EC) 2020/878 , amending Article 31
of Annex II to Regulation (EC) No 1907/2006

Printing

date 05.06.2024

Version number 1

Revision: 05.06.2024

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

1.1 Product identifier

Trade name: *Avani Glasswash Detergent*

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

No further relevant information available.

Application of the substance / the mixture Product is for professional use only.

1.3 Details of the supplier of the safety data sheet

Manufacturer/Supplier:

Manufacturer: Calvatis GmbH

Am Hafen 16

68526 Ladenburg, Germany

Phone: +49(0)6203 105-0, Fax: +49(0)6203 105-111

Homepage: www.calvatis.com

/

Informing department:

Calvatis GmbH Germany, Laboratory, Tel.: +49(0)6203-105 190

Sicherheitsdatenblatt@calvatis.com

1.4 Emergency telephone number:

Calvatis GmbH Germany, Tel.: +49 (0) 6203 105-200

This telephone number is attainable Monday to Friday 9.00 a.m to 15.00 p.m.

Safety data sheet
COMMISSION REGULATION (EC) 2020/878 , amending Article 31
of Annex II to Regulation (EC) No 1907/2006

SECTION 2: Hazards identification

2.1 Classification of the substance or mixture

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

Corr. 1 H290 May be corrosive to metals.

Skin Corr. 1B H314 Causes severe skin burns and eye damage. Eye

Dam. 1 H318 Causes serious eye damage.

2.2 Label elements

Labelling according to Regulation (EC) No 1272/2008

The product is classified and labelled according to the GB CLP regulation.

Hazard pictograms

GHS05

Signal word Danger

Hazard-determining components of labelling:

potassium hydroxide

Hazard statements

H290 May be corrosive to metals.

H314 Causes severe skin burns and eye damage.

Precautionary statements

P260 Do not breathe mist/vapours/spray.

P280 Wear protective gloves / eye protection / face protection.

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 [or shower].

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

P314 Get medical advice/attention if you feel unwell.

P406 Store in a corrosion resistant container / container with a resistant inner liner.

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

(Contd. on page 2)

GB

Trade name: Avani Glasswash Detergent

(Contd. of page 1)

2.3 Other hazards

Results of PBT and vPvB assessment PBT:

Not applicable. **vPvB:** Not applicable.

Safety data sheet
COMMISSION REGULATION (EC) 2020/878 , amending Article 31
of Annex II to Regulation (EC) No 1907/2006

SECTION 3: Composition/information on ingredients

3.2 Mixtures

Dangerous components:

CAS: 7320-34-5 EINECS: 230-785-7	tetrapotassium pyrophosphate ~ Eye Irrit. 2, H319	1-5%
CAS: 1310-58-3 EINECS: 215-181-3 Index number: 019-002-00-8 Reg.nr.: 01-2119487136-33	potassium hydroxide ~ Met. Corr.1, H290; Skin Corr. 1A, H314; ~ Acute Tox. 4, H302 Specific concentration limits: Skin Corr. 1A; H314: C ≥ 5 % Skin Corr. 1B; H314: 2 % ≤ C < 5 % Skin Irrit. 2; H315: 0.5 % ≤ C < 2 % Eye Irrit. 2; H319: 0.5 % ≤ C < 2 %	1-5%
CAS: 10213-79-3 EINECS: 229-912-9 Reg.nr.: 01-2119449811-37-	disodium silicate pentahydrate ~ Met. Corr.1, H290; Skin Corr. 1B, H314; Eye Dam. 1, H318; ~ STOT SE 3, H335	1 - < 3%
CAS: 7681-52-9 EINECS: 231-668-3 Index number: 017-011-00-1 Reg.nr.: 01-2119488154-34	sodium hypochlorite, solution ~ Met. Corr.1, H290; Skin Corr. 1B, H314; Eye Dam. 1, H318; ~ Aquatic Acute 1, H400 (M=10); Aquatic Chronic 2, H411; ~ STOT SE 3, H335, EUH031 Specific concentration limit: EUH031: C ≥ 5 %	< 0.5%

Classification in accordance with Directive 648/2004:

chlorine-based bleaching agents <5%

Additional information For the wording of the listed hazard phrases refer to section 16.

SECTION 4: First aid measures

4.1 Description of first aid measures

General information Instantly remove any clothing soiled by the product.

After inhalation Supply fresh air; consult doctor in case of symptoms.

After skin contact

Instantly wash with water and soap and rinse thoroughly.

If skin irritation continues, consult a doctor.

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

After swallowing Drink copious amounts of water and provide fresh air. Instantly call for 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.

SECTION 5: Firefighting measures

5.1 Extinguishing media

Suitable extinguishing agents

Use fire fighting measures that suit the environment.

CO₂, extinguishing powder or water jet. Fight larger fires with water jet or alcohol-resistant foam.

5.2 Special hazards arising from the substance or mixture No further relevant information available.

5.3 Advice for firefighters Protective equipment:

Wear personal protective equipment.

Wear self-contained breathing apparatus.

(Contd. on page 3)

GB

Trade name: Avani Glasswash Detergent

(Contd. of page 2)

Additional information Product is not combustible.

Safety data sheet
COMMISSION REGULATION (EC) 2020/878 , amending Article 31
of Annex II to Regulation (EC) No 1907/2006

SECTION 6: Accidental release measures

6.1 Personal precautions, protective equipment and emergency procedures

Wear protective equipment. Keep unprotected persons away.

6.2 Environmental precautions:

Do not allow product to reach sewage systems or water bodies in great quantities.

6.3 Methods and material for containment and cleaning up:

Absorb with liquid-binding material (sand, diatomite, universal binder). Do not use combustible material like sawdust.

Dispose of the material collected according to regulations.

Ensure adequate ventilation.

6.4 Reference to other sections

See Section 7 for information on safe handling

See Section 8 for information on personal protection equipment.

See Section 13 for information on disposal.

SECTION 7: Handling and storage

7.1 Precautions for safe handling Avoid contact with the eyes and skin.

Information about protection against explosions and fires: No special measures required.

7.2 Conditions for safe storage, including any incompatibilities

Storage

Requirements to be met by storerooms and containers:

The official regulations for storage of chemicals hazardous to water must be observed.

Information about storage in one common storage facility: Special Storage of hazardous substances.

Further information about storage conditions:

Protect from frost.

Keep container tightly sealed.

Storage class VCI: LGK 8B

7.3 Specific end use(s) No further relevant information available.

SECTION 8: Exposure controls/personal protection

CAS: 1310-58-3 potassium hydroxide

WEL Short-term value: 2 mg/m³

8.1 Control parameters

Components with limit values that require monitoring at the workplace:

The product does not contain any relevant quantities of materials with critical values that have to be monitored at the workplace.

8.2 Exposure controls

Individual protection measures, such as personal protective equipment

General protective and hygienic measures

The usual precautionary measures should be adhered to general rules for handling chemicals. Avoid contact with the eyes and skin.

Keep away from foodstuffs, beverages and food.

Take off immediately all contaminated clothing **Breathing equipment:**

In case of brief exposure or low pollution use breathing filter apparatus. In case of intensive or longer exposure use breathing apparatus that is independent of circulating air. Mehrbereichsfilter: A-B-E-K

(Contd. on page 4)

Trade name: Avani Glasswash Detergent

(Contd. of page 3)

Hand protection

Chemical resistant protectiv gloves (EN 374).

S

Protective gloves

The glove material has to be impermeable and resistant to the product/ the substance/ the preparation.

Material of gloves

Chemical protection gloves of the category III in accordance with EN 374. Consider the data of the manufacturers at the permeability and break-through times as well as the special conditions on the job (mechanical load, contact duration)

Thickness: > 0.4 mm, Breakthrough time: > 480 min, Material: nitrile, butyl rubber

The selection of the suitable gloves does not only depend on the material, but also on further marks of quality and varies from manufacturer to manufacturer. As the product is a preparation of several substances, the resistance of the glove material can not be calculated in advance and has therefore to be checked prior to the application.

Penetration time of glove material

The exact break through time has to be found out by the manufacturer of the protective gloves and has to be observed.

Eye/face protection Tightly sealed safety glasses (EN 166).

Body protection: Wear suitable protective clothing.

SECTION 9: Physical and chemical properties**9.1 Information on basic physical and chemical properties****General Information**

Physical state Fluid **Colour:** Colourless

Odour:

Odourless

Odour threshold:

Not determined.

Melting point/freezing point:

Not determined

Boiling point or initial boiling point and boiling range

Not determined

Flammability

Not applicable.

Lower and upper explosion limit

Lower:

Not determined.

Upper:

Not determined.

Flash point:

Not applicable

Decomposition temperature:

Not determined.

pH (10 g/l) at 20 °C

11.9

Viscosity:

Kinematic viscosity Not determined. **dynamic:** Not determined.

Solubility

Water:

Fully miscible

Partition coefficient n-octanol/water (log value)

Not determined.

Vapour pressure:

Not determined.

Density and/or relative density

Density at 20 °C

1.09 g/cm³

Relative density Not determined. **Vapour density** Not determined.

9.2 Other information

Appearance:

Form:

Liquid

Important information on protection of health and environment, and on safety.

Self-inflammability:

Not determined.

(Contd. on page 5)

Safety data sheet
COMMISSION REGULATION (EC) 2020/878 , amending Article 31
of Annex II to Regulation (EC) No 1907/2006

Trade name: Avani Glasswash Detergent

(Contd. of page 4)

Explosive properties: Not determined.

Change in condition

Evaporation rate Not determined.

Information with regard to physical hazard classes

Explosives	Void
Flammable gases	Void
Aerosols	Void
Oxidising gases	Void
Gases under pressure	Void
Flammable liquids	Void
Flammable solids	Void
Self-reactive substances and mixtures	Void
Pyrophoric liquids	Void
Pyrophoric solids	Void
Self-heating substances and mixtures	Void
Substances and mixtures, which emit flammable gases in contact with water	Void
Oxidising liquids	Void
Oxidising solids	Void
Organic peroxides	Void
Corrosive to metals	May be corrosive to metals.
Desensitised explosives	Void

SECTION 10: Stability and reactivity

10.1 Reactivity No further relevant information available.

10.2 Chemical stability

Thermal decomposition / conditions to be avoided: No decomposition if used according to specifications. **10.3**

Possibility of hazardous reactions No dangerous reactions known

10.4 Conditions to avoid No further relevant information available.

10.5 Incompatible materials: No further relevant information available.

10.6 Hazardous decomposition products: No dangerous decomposition products known.

SECTION 11: Toxicological information

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

Acute toxicity Based on available data, the classification criteria are not met. **LD/LC50 values that are relevant for classification:**

Components	Type	Value	Species
CAS: 1310-58-3 potassium hydroxide			
Oral	LD50	333 mg/kg	(rat)
CAS: 10213-79-3 disodium silicate pentahydrate			
Oral	LD50	1,400 mg/kg	(rat)
CAS: 7320-34-5 tetrapotassium pyrophosphate			
Oral	LD50	>2,000 mg/kg	(mus)

Skin corrosion/irritation Causes severe skin burns and eye damage.

Serious eye damage/irritation Causes serious eye damage.

Additional toxicological information:

The toxicological evaluation of the preparation took place in accordance with computation methods after GefStoffV / GB CLP regulation.

11.2 Information on other hazards

Endocrine disrupting properties

None of the ingredients is listed.

GB

(Contd. on page 6)

Trade name: Avani Glasswash Detergent

(Contd. of page 5)

SECTION 12: Ecological information

12.1 Toxicity

Aquatic toxicity: No further relevant information available.

12.2 Persistence and degradability No further relevant information available.

12.3 Bioaccumulative potential No further relevant information available.

12.4 Mobility in soil No further relevant information available.

12.5 Results of PBT and vPvB assessment PBT: Not applicable. **vPvB:** Not applicable.

12.6 Endocrine disrupting properties

The product does not contain substances with endocrine disrupting properties.

12.7 Other adverse effects

Additional ecological information:

General notes:

Do not allow undiluted product or large quantities of it to reach ground water, water bodies or sewage system. During the introduction sourly or alkaline products in sewage systems it is to be made certain that the introduced waste water does not under and/or exceeds pH range of 6-10, since by pH shift disturbances in sewers and biological purification plants can occur.

SECTION 13: Disposal considerations

13.1 Waste treatment methods

Recommendation Must be specially treated with regard to official regulations.

Uncleaned packagings:

150110 packaging containing residues of hazardous substances or contaminated by hazardous substances.

Recommendation: Disposal must be made according to official regulations.

SECTION 14: Transport information

14.1 UN number or ID number

ADR, IMDG, IATA

UN1760

14.2 UN proper shipping name

ADR

1760 CORROSIVE LIQUID, N.O.S. (POTASSIUM HYDROXIDE SOLUTION)

IMDG, IATA

CORROSIVE LIQUID, N.O.S. (POTASSIUM HYDROXIDE SOLUTION)

14.3 Transport hazard class(es)

ADR

c`oa

Class

8 (C9)

Label

8

IMDG, IATA

c`oa

Class

8

Label

8

(Contd. on page 7)

Safety data sheet
COMMISSION REGULATION (EC) 2020/878 , amending Article 31
of Annex II to Regulation (EC) No 1907/2006

Trade name: Avani Glasswash Detergent

(Contd. of page 6)

14.4 Packing group**ADR, IMDG, IATA**

II

14.5 Environmental hazards:

Not applicable.

14.6 Special precautions for user**Kemler Number:**

80

EMS Number:

F-A,S-B

Segregation groups

(SGG18) Alkalis

Stowage Category

A

Segregation Code

SG22 Stow "away from" ammonium salts

SG35 Stow "separated from" SGG1-acids

14.7 Maritime transport in bulk according to IMO instruments

Not applicable.

Transport/Additional information:**ADR****Limited quantities (LQ)**

1L

Excepted quantities (EQ)

Code: E2

Maximum net quantity per inner packaging: 30 ml

Maximum net quantity per outer packaging: 500 ml

Transport category

2

Tunnel restriction code

E

IMDG**Limited quantities (LQ)**

1L

Excepted quantities (EQ)

Code: E2

Maximum net quantity per inner packaging: 30 ml

Maximum net quantity per outer packaging: 500 ml

UN "Model Regulation":

UN 1760 CORROSIVE LIQUID, N.O.S. (POTASSIUM HYDROXIDE SOLUTION), 8, II

SECTION 15: Regulatory information**15.1 Safety, health and environmental regulations/legislation specific for the substance or mixture****Directive 2012/18/EU****Named dangerous substances - ANNEX I** None of the ingredients is listed.**National regulations****Water hazard class (Germany):** Water hazard class 1 (Self-assessment): slightly hazardous for water.**15.2 Chemical safety assessment:** A Chemical Safety Assessment has not been carried out.**SECTION 16: Other information**

The above information is based on our present knowledge about the product. It does not guarantee specific product features.

This Safety Data Sheet is in compliance with Regulation (EC) No 1907/2006, Article 31 as amended by Regulation (EU) 2020/878.

Full text of R-phrases listed in chapters 2 and 3:

H290 May be corrosive to metals.

H302 Harmful if swallowed.

H314 Causes severe skin burns and eye damage.

H318 Causes serious eye damage.

H319 Causes serious eye irritation.

H335 May cause respiratory irritation.

H400 Very toxic to aquatic life.

H411 Toxic to aquatic life with long lasting effects.

EUH031 Contact with acids liberates toxic gas.

(Contd. on page 8)



Safety data sheet
COMMISSION REGULATION (EC) 2020/878 , amending Article 31
of Annex II to Regulation (EC) No 1907/2006

Printing

date 05.06.2024

Version number 1

Revision: 05.06.2024

GB

Trade name: Avani Glasswash Detergent

(Contd. of page 7)

Department issuing data specification sheet: Sicherheitsdatenblatt@calvatis.com**Reference to modifications:** First edition of the Safety Data Sheet **Abbreviations and acronyms:**

ADR: Accord relatif au transport international des marchandises dangereuses par route (European Agreement Concerning the International Carriage of Dangerous Goods by Road)

IMDG: International Maritime Code for Dangerous Goods

IATA: International Air Transport Association

GHS: Globally Harmonised System of Classification and Labelling of Chemicals

EINECS: European Inventory of Existing Commercial Chemical Substances

ELINCS: European List of Notified Chemical Substances

CAS: Chemical Abstracts Service (division of the American Chemical Society)

LC50: Lethal concentration, 50 percent

LD50: Lethal dose, 50 percent

PBT: Persistent, Bioaccumulative and Toxic

vPvB: very Persistent and very Bioaccumulative

Met. Corr.1: Corrosive to metals – Category 1

Acute Tox. 4: Acute toxicity – Category 4

Skin Corr. 1A: Skin corrosion/irritation – Category 1A

Skin Corr. 1B: Skin corrosion/irritation – Category 1B

Eye Dam. 1: Serious eye damage/eye irritation – Category 1

Eye Irrit. 2: Serious eye damage/eye irritation – Category 2

STOT SE 3: Specific target organ toxicity (single exposure) – Category 3

Aquatic Acute 1: Hazardous to the aquatic environment - acute aquatic hazard – Category 1

Aquatic Chronic 2: Hazardous to the aquatic environment - long-term aquatic hazard – Category 2

Sources KC-637565s

GB