



APESIN KITCHEN Q&E

WM 0714320

Order number: 0714320

Version 3.5

Revision Date 11.04.2022

Print Date 15.08.2022

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

1.1 Product identifier

Trade name : APESIN KITCHEN Q&E
UFI : 9374-60NP-J00M-5P7A

Identification number : 64689, 61831

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

Use of the Substance/Mixture : Biocidal product
Restricted to professional users.

1.3 Details of the supplier of the safety data sheet

Company : Tana Chemie GmbH
Rheinallee 96
55120 Mainz
Telephone : +49613196403
Telefax : +4961319642414
E-mail address : Produktsicherheit@werner-mertz.com
Responsible/issuing person
Contact person : Product development / product safety

1.4 Emergency telephone number

112
Centru za kontrolu otrovanja u Zagrebu na tel. (01) 2348 342
+49(0)6131-19240

SECTION 2: Hazards identification

2.1 Classification of the substance or mixture

Classification (REGULATION (EC) No 1272/2008)

Skin irritation, Category 2 H315: Causes skin irritation.

Eye irritation, Category 2 H319: Causes serious eye irritation.

2.2 Label elements

Labelling (REGULATION (EC) No 1272/2008)

Hazard pictograms :



Signal word : Warning

Hazard statements : H315 Causes skin irritation.
H319 Causes serious eye irritation.



APESIN KITCHEN Q&E

WM 0714320

Order number: 0714320

Version 3.5

Revision Date 11.04.2022

Print Date 15.08.2022

Precautionary statements	:	P102	Keep out of reach of children.
		Prevention:	
		P280	Wear protective gloves/ protective clothing/ eye protection/ face protection.
		Response:	
		P302 + P352	IF ON SKIN: Wash with plenty of water.
		P305 + P351 + P338	IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.
		P332 + P313	If skin irritation occurs: Get medical advice/ attention.
		P337 + P313	If eye irritation persists: Get medical advice/ attention.
		Disposal:	
		P501	Dispose of contents/ container to an approved waste disposal plant.

Safety data sheet available on request.

Classification in use concentration

Not a hazardous substance or mixture according to Regulation (EC) No. 1272/2008.

2.3 Other hazards

No information available.

SECTION 3: Composition/information on ingredients

3.2 Mixtures

Hazardous components

Chemical name	CAS-No. EC-No. Registration number	Classification	Concentration (% w/w)
3-methoxy-3-methylbutan-1-ol	56539-66-3 260-252-4	Eye Irrit. 2; H319	>= 2 - < 5
didecyldimethylammonium chloride	7173-51-5 230-525-2	Acute Tox. 4; H302 Skin Corr. 1B; H314 Eye Dam. 1; H318 Aquatic Acute 1; H400 Aquatic Chronic 2; H411	>= 2 - < 2,5
CAPRYLETH-9 CARBOXYLIC ACID	53563-70-5	Eye Dam. 1; H318 Skin Irrit. 2; H315 SCL >= 20 % 2; H315 >= 20 % 1; H318	>= 1 - < 2

For explanation of abbreviations see section 16.



APESIN KITCHEN Q&E

WM 0714320

Order number: 0714320

Version 3.5

Revision Date 11.04.2022

Print Date 15.08.2022

SECTION 4: First aid measures

4.1 Description of first aid measures

- General advice : No hazards which require special first aid measures.
- If inhaled : Move to fresh air in case of accidental inhalation of dust or fumes from overheating or combustion.
If symptoms persist, call a physician.
- In case of skin contact : Take off contaminated clothing and shoes immediately.
Wash off with soap and plenty of water.
- In case of eye contact : Protect unharmed eye.
If easy to do, remove contact lens, if worn.
Rinse immediately with plenty of water, also under the eyelids, for at least 15 minutes.
- If swallowed : Clean mouth with water and drink afterwards plenty of water.
Do not give milk or alcoholic beverages.
Never give anything by mouth to 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 : For specialist advice physicians should contact the Poisons Information Service.

SECTION 5: Firefighting measures

5.1 Extinguishing media

- Suitable extinguishing media : Use extinguishing measures that are appropriate to local circumstances and the surrounding environment.

5.2 Special hazards arising from the substance or mixture

- Specific hazards during firefighting : Do not allow run-off from fire fighting to enter drains or water courses.
- Hazardous combustion products : No hazardous combustion products are known

5.3 Advice for firefighters

- Special protective equipment for firefighters : In the event of fire, wear self-contained breathing apparatus.
- Further information : Collect contaminated fire extinguishing water separately. This must not be discharged into drains. Fire residues and contaminated fire extinguishing water must be disposed of in accordance with local



APESIN KITCHEN Q&E

WM 0714320

Order number: 0714320

Version 3.5

Revision Date 11.04.2022

Print Date 15.08.2022

regulations.

SECTION 6: Accidental release measures

6.1 Personal precautions, protective equipment and emergency procedures

Personal precautions : Use personal protective equipment.

6.2 Environmental precautions

Environmental precautions : Do not flush into surface water or sanitary sewer system.

6.3 Methods and materials for containment and cleaning up

Methods for cleaning up : Neutralise with acid.
Sweep up and shovel.
Wipe up with absorbent material (e.g. cloth, fleece).
Keep in suitable, closed containers for disposal.

6.4 Reference to other sections

For personal protection see section 8., Treat recovered material as described in the section "Disposal considerations"., Refer to section 15 for specific national regulation.

SECTION 7: Handling and storage

7.1 Precautions for safe handling

Advice on safe handling : For personal protection see section 8. No special handling advice required. Dispose of rinse water in accordance with local and national regulations.

Advice on protection against fire and explosion : Normal measures for preventive fire protection.

Hygiene measures : Wash hands before breaks and at the end of workday.

7.2 Conditions for safe storage, including any incompatibilities

Requirements for storage areas and containers : Keep container tightly closed in a dry and well-ventilated place. Store at room temperature in the original container.

Advice on common storage : No special restrictions on storage with other products.

Other data : No decomposition if stored and applied as directed. Protect from frost.

7.3 Specific end use(s)

Specific use(s) : Biocidal product

SECTION 8: Exposure controls/personal protection

8.1 Control parameters

Contains no substances with occupational exposure limit values.



APESIN KITCHEN Q&E

WM 0714320

Order number: 0714320

Version 3.5

Revision Date 11.04.2022

Print Date 15.08.2022

8.2 Exposure controls

Personal protective equipment

Eye protection : not required under normal use

Hand protection

Material : For prolonged or repeated contact use protective gloves.

It is suggested the usage of chemical resistant gloves made of butyl rubber or nitrile rubber category III according to EN 374-1: 2003 (0,4 mm).

As alternative, a different type of gloves might be used if, accordingly to the recommendations of the producer, guarantee the same level of protection.

Material : not required under normal use

Remarks : Take note of the information given by the producer concerning permeability and break through times, and of special workplace conditions (mechanical strain, duration of contact).

Skin and body protection : not required under normal use

Respiratory protection : not required under normal use

SECTION 9: Physical and chemical properties

9.1 Information on basic physical and chemical properties



APESIN KITCHEN Q&E

WM 0714320

Order number: 0714320

Version 3.5

Revision Date 11.04.2022

Print Date 15.08.2022

Appearance	: liquid
Colour	: colourless
Odour	: characteristic
Odour Threshold	: No data available
pH	: ca. 10,5, 100 % at 20 °C
Melting point/range	: No data available
Boiling point/boiling range	: No data available
Flash point	: No data available
Evaporation rate	: No data available
Flammability (solid, gas)	: No data available
Flammability (liquids)	: No data available
Burning rate	: No data available
Lower explosion limit	: No data available
Upper explosion limit	: No data available
Vapour pressure	: No data available
Relative vapour density	: No data available
Relative density	: No data available
Density	: ca. 1,015 g/cm ³ at 20 °C
Water solubility	: completely soluble
Solubility in other solvents	: No data available
Partition coefficient: n-octanol/water	: No data available
Ignition temperature	: No data available
Thermal decomposition	: No data available
Viscosity, dynamic	: No data available
Viscosity, kinematic	: No data available
Explosive properties	: No data available
Oxidizing properties	: No data available

9.2 Other information

none

SECTION 10: Stability and reactivity

10.1 Reactivity

Stable under recommended storage conditions., No dangerous reaction known under conditions of normal use.

10.2 Chemical stability



APESIN KITCHEN Q&E

WM 0714320

Order number: 0714320

Version 3.5

Revision Date 11.04.2022

Print Date 15.08.2022

No decomposition if stored and applied as directed.

10.3 Possibility of hazardous reactions

Hazardous reactions : No hazards to be specially mentioned.

10.4 Conditions to avoid

Conditions to avoid : Protect from frost.

10.5 Incompatible materials

Materials to avoid : No data available

10.6 Hazardous decomposition products

Hazardous decomposition products : No hazardous decomposition products are known.

Other information : No hazardous decomposition products are known.

SECTION 11: Toxicological information

11.1 Information on toxicological effects

Our company is strongly against animal testing.

Our company does not place any orders for animal testing for the finished product or the ingredients.

However, as a result of EU legislation (REACH Regulation), the manufacturers of ingredients or EU importers are obliged to test ingredients with regard to their effects on human health and the environment before they are brought onto the market. Some of the tests made necessary by this took place decades ago.

Product

Acute oral toxicity : Acute toxicity estimate : > 5.000 mg/kg
Method: Calculation method

Acute inhalation toxicity : Acute toxicity estimate : 5 mg/l
Exposure time: 4 h
Test atmosphere: dust/mist
Method: Calculation method

Acute dermal toxicity : Acute toxicity estimate : > 5.000 mg/kg
Method: Calculation method

Skin corrosion/irritation : According to the classification criteria of the European Union, the product is not considered as being a skin irritant.

Serious eye damage/eye irritation : According to the classification criteria of the European Union, the product is not considered as being an eye irritant.

Respiratory or skin sensitisation : No data available

Germ cell mutagenicity : Not Rated

Carcinogenicity : Not Rated

Reproductive toxicity : Not Rated



APESIN KITCHEN Q&E

WM 0714320

Order number: 0714320

Version 3.5

Revision Date 11.04.2022

Print Date 15.08.2022

- STOT - single exposure : The substance or mixture is not classified as specific target organ toxicant, single exposure.
- STOT - repeated exposure : The substance or mixture is not classified as specific target organ toxicant, repeated exposure.
- Aspiration toxicity : Not Rated
- Further information : No data available

Components:

3-methoxy-3-methylbutan-1-ol 56539-66-3:

- Acute oral toxicity : Acute toxicity estimate : 4.400 mg/kg

didecyldimethylammonium chloride

7173-51-5:

- Acute oral toxicity : LD50 Rat: 238 mg/kg
Method: OECD Test Guideline 401
- Acute toxicity estimate : 500,0 mg/kg
Method: Converted acute toxicity point estimate
- Acute dermal toxicity : LD50 Rabbit: 3.342 mg/kg
- Skin corrosion/irritation : Species: Rabbit
Exposure time: 3 min
Result: irritating
Method: OECD Test Guideline 404
- Respiratory or skin sensitisation : Species: Guinea pig
Result: Did not cause sensitisation on laboratory animals.
Method: Buehler Test
- Germ cell mutagenicity
- Genotoxicity in vitro : Type: Ames test
Result: negative
Method: OECD Test Guideline 471
- : Type: Chromosome aberration test in vitro
Result: negative
- Genotoxicity in vivo : Type: in vivo assay
Test species: Rat Application Route: Oral
Method: see user defined free text



APESIN KITCHEN Q&E

WM 0714320

Order number: 0714320

Version 3.5

Revision Date 11.04.2022

Print Date 15.08.2022

SECTION 12: Ecological information

12.1 Toxicity

Components:

didecyldimethylammonium chloride
7173-51-5:

- Toxicity to fish : LC50 (Oncorhynchus mykiss (rainbow trout)): 1,0 mg/l
Exposure time: 96 h
Method: OECD Test Guideline 203
- LC50 (Pimephales promelas (fathead minnow)): 0,19 mg/l
Exposure time: 96 h
Method: see user defined free text
- NOEC (Danio rerio (zebra fish)): 0,032 mg/l
Exposure time: 34 d
Method: see user defined free text
- LC50 (Danio rerio (zebra fish)): 0,97 mg/l
Exposure time: 96 h
Method: OECD Test Guideline 203
- LC50 (Danio rerio (zebra fish)): 0,49 mg/l
Exposure time: 96 h
Method: OECD Test Guideline 203
- Toxicity to daphnia and other aquatic invertebrates : EC50 (Daphnia magna (Water flea)): 0,062 mg/l
Exposure time: 48 h
Test Type: Immobilization
Method: see user defined free text
- NOEC (Daphnia magna (Water flea)): 0,01 mg/l
Exposure time: 21 d
Test Type: Reproduction Test
Method: OECD Test Guideline 211
- EC50 (Daphnia magna (Water flea)): 0,057 mg/l
Exposure time: 48 h
Method: OECD Test Guideline 202
- EC50 (Daphnia (water flea)): 0,03 mg/l
Exposure time: 48 h
Method: OECD Test Guideline 202
- EC50 (Daphnia (water flea)): 0,021 mg/l
Exposure time: 48 h
Method: OECD Test Guideline 211
- Toxicity to algae : ErC50 (Pseudokirchneriella subcapitata (green algae)): 0,026 mg/l
Exposure time: 96 h
Test Type: Growth inhibition
Method: OECD Test Guideline 201
- EC50 (Pseudokirchneriella subcapitata (green algae)): 0,053 mg/l
Exposure time: 72 h
Method: OECD Test Guideline 201
- NOEC (Pseudokirchneriella subcapitata (green algae)): 0,013 mg/l



APESIN KITCHEN Q&E

WM 0714320

Order number: 0714320

Version 3.5

Revision Date 11.04.2022

Print Date 15.08.2022

Exposure time: 72 h
Method: OECD Test Guideline 201

EC50 (Selenastrum capricornutum (green algae)): 0,06 mg/l
Exposure time: 72 h
Method: OECD Test Guideline 201

M-Factor (Short-term (acute)
aquatic hazard) : 10

Toxicity to bacteria : EC50 : 11 mg/l
Exposure time: 3 h
Test Type: Respiration inhibition
Method: see user defined free text

EC50 : 17,9 mg/l
Exposure time: 3 h
Method: OECD Test Guideline 209

EC20 : 8,9 mg/l
Exposure time: 3 h
Method: OECD Test Guideline 209

Toxicity to soil dwelling
organisms : NOEC: > 1.000 mg/kg
Exposure time: 14 d
Species: Eisenia fetida (earthworms)
Method: see user defined free text

Plant toxicity : EC50: 283 - 1.670 mg/kg
Exposure time: 14 d
Method: see user defined free text

12.2 Persistence and degradability

Components:

didecyldimethylammonium chloride

7173-51-5:

Biodegradability : Biodegradation: 72 %
Exposure time: 28 d
Method: see user defined free text
Remarks: Readily biodegradable, according to appropriate OECD
test.

Result: rapidly biodegradable
Biodegradation: > 60 %
Method: OECD 301 D

12.3 Bioaccumulative potential

No data available

12.4 Mobility in soil

No data available

12.5 Results of PBT and vPvB assessment

Not relevant



APESIN KITCHEN Q&E

WM 0714320

Order number: 0714320

Version 3.5

Revision Date 11.04.2022

Print Date 15.08.2022

12.6 Other adverse effects

Product:

Additional ecological information : There is no data available for this product.

SECTION 13: Disposal considerations

13.1 Waste treatment methods

Product : In accordance with local and national regulations.

Contaminated packaging : Only give completely emptied packaging to special waste disposer.

Empty remaining contents.
Empty containers should be taken to an approved waste handling site for recycling or disposal.

SECTION 14: Transport information

14.1 UN number

ADR
Not dangerous goods
IMDG
Not dangerous goods
IATA
Not dangerous goods

14.2 Proper shipping name

Not regulated as a dangerous good

14.3 Transport hazard class

ADR
Not dangerous goods
IMDG
Not dangerous goods
IATA
Not dangerous goods

14.4 Packing group

ADR
Not dangerous goods
IMDG
Not dangerous goods
IATA
Not dangerous goods

14.5 Environmental hazards

ADR
Not dangerous goods
IMDG
Not regulated as a dangerous good
IATA
Not dangerous goods

14.6 Special precautions for user

Remarks : Not classified as dangerous in the meaning of transport regulations.

For personal protection see section 8.



APESIN KITCHEN Q&E

WM 0714320

Order number: 0714320

Version 3.5

Revision Date 11.04.2022

Print Date 15.08.2022

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

Not applicable for product as supplied.

SECTION 15: Regulatory information

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

Regulation (EC) No 649/2012 of the European Parliament and the Council concerning the export and import of dangerous chemicals : Not applicable

REACH - Restrictions on the manufacture, placing on the market and use of certain dangerous substances, preparations and articles (Annex XVII) : See Annex XVII to Regulation (EC) no 1907/2006 for Conditions of restriction

Seveso III: Directive 2012/18/EU of the European Parliament and of the Council on the control of major-accident hazards involving dangerous substances. : Not applicable

TA Luft List (Germany) : Total dust: Not applicable
: Inorganic substances in powdered form: Not applicable
: Inorganic substances in vapour or gaseous form: Not applicable
: Organic Substances: Not applicable
: Carcinogenic substances: Not applicable
: Mutagenic: Not applicable
: Toxic to reproduction: Not applicable

Volatile organic compounds (VOC) content : Directive 2010/75/EU of 24 November 2010 on industrial emissions (integrated pollution prevention and control)
Update: Percent volatile: 0,99 %
10,05 g/l
VOC content valid only for coating materials used on wood surfaces

Volatile organic compounds (VOC) content : Directive 2010/75/EU of 24 November 2010 on industrial emissions (integrated pollution prevention and control)
Update: Percent volatile: 0,99 %
79,69 g/l
VOC content excluding water

GISBAU (D) : GD 30

15.2 Chemical safety assessment

SECTION 16: Other information

Full text of H-Statements

H302 Harmful if swallowed.
H314 Causes severe skin burns and eye damage.
H315 Causes skin irritation.
H318 Causes serious eye damage.
H319 Causes serious eye irritation.
H400 Very toxic to aquatic life.



APESIN KITCHEN Q&E

WM 0714320

Order number: 0714320

Version 3.5

Revision Date 11.04.2022

Print Date 15.08.2022

H411 Toxic to aquatic life with long lasting effects.

Further information

Items where changes have been made to the previous version are highlighted in the body of this document by two vertical lines.

Classification procedure:	H315	Calculation method
	H319	Calculation method

ADN - European Agreement concerning the International Carriage of Dangerous Goods by Inland Waterways; ADR - European Agreement concerning the International Carriage of Dangerous Goods by Road; AIIC - Australian Inventory of Industrial Chemicals; ASTM - American Society for the Testing of Materials; bw - Body weight; CLP - Classification Labelling Packaging Regulation; Regulation (EC) No 1272/2008; CMR - Carcinogen, Mutagen or Reproductive Toxicant; DIN - Standard of the German Institute for Standardisation; DSL - Domestic Substances List (Canada); ECHA - European Chemicals Agency; EC-Number - European Community number; ECx - Concentration associated with x% response; ELx - Loading rate associated with x% response; EmS - Emergency Schedule; ENCS - Existing and New Chemical Substances (Japan); ErCx - Concentration associated with x% growth rate response; GHS - Globally Harmonized System; GLP - Good Laboratory Practice; IARC - International Agency for Research on Cancer; IATA - International Air Transport Association; IBC - International Code for the Construction and Equipment of Ships carrying Dangerous Chemicals in Bulk; IC50 - Half maximal inhibitory concentration; ICAO - International Civil Aviation Organization; IECSC - Inventory of Existing Chemical Substances in China; IMDG - International Maritime Dangerous Goods; IMO - International Maritime Organization; ISHL - Industrial Safety and Health Law (Japan); ISO - International Organisation for Standardization; KECI - Korea Existing Chemicals Inventory; LC50 - Lethal Concentration to 50 % of a test population; LD50 - Lethal Dose to 50% of a test population (Median Lethal Dose); MARPOL - International Convention for the Prevention of Pollution from Ships; n.o.s. - Not Otherwise Specified; NO(A)EC - No Observed (Adverse) Effect Concentration; NO(A)EL - No Observed (Adverse) Effect Level; NOELR - No Observable Effect Loading Rate; NZIoC - New Zealand Inventory of Chemicals; OECD - Organization for Economic Co-operation and Development; OPPTS - Office of Chemical Safety and Pollution Prevention; PBT - Persistent, Bioaccumulative and Toxic substance; PICCS - Philippines Inventory of Chemicals and Chemical Substances; (Q)SAR - (Quantitative) Structure Activity Relationship; REACH - Regulation (EC) No 1907/2006 of the European Parliament and of the Council concerning the Registration, Evaluation, Authorisation and Restriction of Chemicals; RID - Regulations concerning the International Carriage of Dangerous Goods by Rail; SADT - Self-Accelerating Decomposition Temperature; SDS - Safety Data Sheet; SVHC - Substance of Very High Concern; TCSI - Taiwan Chemical Substance Inventory; TECI - Thailand Existing Chemicals Inventory; TRGS - Technical Rule for Hazardous Substances; TSCA - Toxic Substances Control Act (United States); UN - United Nations; vPvB - Very Persistent and Very Bioaccumulative

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.

500000004556