according to Regulation (EC) No. 1907/2006



APESIN KITCHEN Q&E

WM 0714320 Order number: 0714320

Version 3.11 Revision Date 21.03.2024 Print Date 22.07.2024

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

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)551-19240

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.



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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.

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

None known.

SECTION 3: Composition/information on ingredients

3.2 Mixtures

Components

Chemical name	CAS-No. EC-No. Index-No. Registration number	Classification	Concentration (% w/w)
3-methoxy-3-methylbutan-1-ol	56539-66-3 260-252-4	Eye Irrit. 2; H319 Acute toxicity estimate Acute oral toxicity: 4.400 mg/kg	>= 2 - < 5
didecyldimethylammonium chloride	7173-51-5 230-525-2 612-131-00-6	Skin Corr. 1B; H314 Acute Tox. 4; H302 M-Factor (Acute aquatic toxicity): 10 Acute toxicity estimate Acute oral toxicity: 500,0 mg/kg	>= 2 - < 2,5
CAPRYLETH-9 CARBOXYLIC ACID	53563-70-5	Eye Dam. 1; H318 Skin Irrit. 2; H315 specific concentration limit Skin Irrit. 2; H315 >= 20 % Eye Dam. 1; H318 >= 20 %	>= 1 - < 2

according to Regulation (EC) No. 1907/2006



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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.

No information available. Risks

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

Hazardous combustion products : No hazardous combustion products are known

5.3 Advice for firefighters

firefighters

Special protective equipment for : 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

according to Regulation (EC) No. 1907/2006



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disposed of in accordance with local 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 material 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.

Further information on storage

stability

No decomposition if stored and applied as directed.

Protect from frost.

7.3 Specific end use(s)

Specific use(s) : Biocidal product

according to Regulation (EC) No. 1907/2006



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SECTION 8: Exposure controls/personal protection

8.1 Control parameters

Contains no substances with occupational exposure limit values.

8.2 Exposure controls

Personal protective equipment

Eye/face 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.

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

Physical state : liquid

Colour : colourless
Odour : characteristic



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Melting point/freezing point : No data available Boiling point/boiling range No data available Flammability (solid, gas) No data available Flammability (liquids) No data available Lower explosion limit No data available Upper explosion limit No data available Flash point No data available No data available Ignition temperature Decomposition temperature No data available pΗ ca. 10,5, 100 % at 20 °C

Viscosity, dynamic : No data available
Viscosity, kinematic : No data available
Water solubility : completely soluble

Solubility in other solvents : No data available

Partition coefficient: n- : No data available

octanol/water

Vapour pressure : No data available

Density : ca. 1,015 g/cm3 at 20 °C

Relative density : No data available
Relative vapour density : No data available
Particle characteristics : 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

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

according to Regulation (EC) No. 1907/2006



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Materials to avoid : No data available

10.6 Hazardous decomposition products

No hazardous decomposition products are known.

SECTION 11: Toxicological information

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

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.

Acute toxicity

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

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

GLP: yes

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

Product:

Remarks : According to the classification criteria of the European Union, the

product is not considered as being a skin irritant.

according to Regulation (EC) No. 1907/2006



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Components:

didecyldimethylammonium chloride

7173-51-5:

Species : Rabbit Exposure time : 3 min

Method : OECD Test Guideline 404

Result : irritating GLP : yes

Serious eye damage/eye irritation

Product:

Remarks : According to the classification criteria of the European Union, the

product is not considered as being an eye irritant.

Respiratory or skin sensitisation

Product:

Remarks : No data available

Components:

didecyldimethylammonium chloride

7173-51-5:

Species : Guinea pig Method : Buehler Test

Result : Did not cause sensitisation on laboratory animals.

Germ cell mutagenicity

Germ cell mutagenicity : Not Rated

Components:

didecyldimethylammonium chloride

7173-51-5:

Genotoxicity in vitro : Test Type: Ames test

Method: OECD Test Guideline 471

Result: negative

Test Type: Chromosome aberration test in vitro

Result: negative

Genotoxicity in vivo : Test Type: in vivo assay

Species: Rat

Application Route: Oral

Method: see user defined free text

Remarks: negative

Carcinogenicity : Not Rated

Reproductive toxicity : Not Rated

STOT - single exposure : The substance or mixture is not classified as specific target organ

according to Regulation (EC) No. 1907/2006



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toxicant, single exposure.

STOT - repeated exposure : The substance or mixture is not classified as specific target organ

toxicant, repeated exposure.

Aspiration toxicity : Not Rated

11.2 Information on other hazards

Further information

Product:

Remarks : No data available

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

GLP: yes

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

according to Regulation (EC) No. 1907/2006



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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

NOEC (Daphnia magna (Water flea)): 0,014 mg/l

Exposure time: 21 d

Toxicity to algae/aquatic plants : ErC50 (Pseudokirchneriella subcapitata (green algae)): 0,026 mg/l

Exposure time: 96 h
Test Type: Growth inhibition

Analytical monitoring: yes Method: OECD Test Guideline 201

GLP: yes

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

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 (Acute aquatic toxicity) : 10

Toxicity to microorganisms : EC50 (activated sludge): 11 mg/l

Exposure time: 3 h

Test Type: Respiration inhibition Method: OECD Test Guideline 209

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 fish (Chronic toxicity) : NOEC: 0,032 mg/l

Exposure time: 34 d

Species: Danio rerio (zebra fish) Analytical monitoring: yes

Method: OECD Test Guideline 210

GLP: yes

Toxicity to soil dwelling

organisms

NOEC: > 1.000 mg/kg

Exposure time: 14 d

Species: Eisenia fetida (earthworms) Method: OECD Test Guideline 207

Plant toxicity : EC50: 283 - 1.670 mg/kg

Exposure time: 14 d

according to Regulation (EC) No. 1907/2006



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Method: OECD 208

12.2 Persistence and degradability

Components:

didecyldimethylammonium chloride

7173-51-5:

Biodegradability : Biodegradation: 72 %

Exposure time: 28 d Method: OECD 301 B

Remarks: Readily biodegradable, according to appropriate OECD

test.

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

Biodegradation: 93,3 % Exposure time: 28 d

GLP: yes

Biodegradation: 91 % Exposure time: 24 - 70 d

Method: OECD Test Guideline 303A

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

12.6 Endocrine disrupting properties

No data available

12.7 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.

according to Regulation (EC) No. 1907/2006



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SECTION 14: Transport information

14.1 UN number or ID number

ADR

Not dangerous goods

IMDG

Not dangerous goods

IATA

Not dangerous goods

14.2 UN proper shipping name

Not regulated as a dangerous good

14.3 Transport hazard class(es)

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.

14.7 Maritime transport in bulk according to IMO instruments 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, mixtures and articles (Annex XVII)

: See Annex XVII to Regulation (EC) no 1907/2006 for Conditions of restriction

Seveso III: Directive 2012/18/EU : Not applicable

according to Regulation (EC) No. 1907/2006



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of the European Parliament and of the Council on the control of major-accident hazards involving dangerous substances.

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 applicableCarcinogenic 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 q/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.

Full text of other abbreviations

Acute Tox. : Acute toxicity
Eye Dam. : Serious eye damage
Eye Irrit. : Eye irritation
Skin Corr. : Skin corrosion
Skin Irrit. : Skin irritation

ADN - European Agreement concerning the International Carriage of Dangerous Goods by Inland Waterways; ADR - 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

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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

Further information

Classification of the mixture: Classification procedure:

Skin Irrit. 2 H315 Calculation method
Eye Irrit. 2 H319 Calculation method

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.

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