

Trade name: hygienicDES 2GO

Substance number: SUB302022500000

Version: 11 / EU

Date revised: 18.04.2024

the date of issue: 20.04.22

Replaces Version: 10 / EU

Print date: 02.05.2024

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

1.1. Product identifier

hygienicDES 2GO

Substance / product identification

UFI

VWX6-P29K-S00C-J1PS

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

Use of the substance/preparation

Disinfectants and general biocidal products. For professional use only.

1.3. Details of the supplier of the safety data sheet

Address/Manufacturer

HAGLEITNER HYGIENE International GmbH

Lunastrasse 5

A-5700 Zell am See

Telephone no.

+43 (0)5 0456

Fax no.

+43 (0)5 0456 7777

E-Mail

regulatoryaffairs@hagleitner.com

Information provided

Regulatory Affairs

by / telephone

Address/Supplier

HAGLEITNER HYGIENE International GmbH

Lunastrasse 5

AT5700 Zell am See

Telephone no.

+43 (0)5 0456

Fax no.

+43 (0)5 0456 7777

E-mail address of

regulatoryaffairs@hagleitner.com

person responsible

for this SDS

1.4. Emergency telephone number

Anti Poison Center Vienna: +43 (0)1 406 4343

SECTION 2: Hazards identification ***

2.1. Classification of the substance or mixture

Classification (Regulation (EC) No. 1272/2008)

Classification (Regulation (EC) No. 1272/2008)

Acute Tox. 4 H302

Skin Corr. 1B H314

Eye Dam. 1 H318

Aquatic Acute 1 H400

Aquatic Chronic 2 H411

The product is classified and labelled in accordance with Regulation (EC) No 1272/2008

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For explanation of abbreviations see section 16.

2.2. Label elements

Labelling according to regulation (EC) No 1272/2008

Hazard pictograms ***



Signal word

Danger

Hazard statements ***

H302	Harmful if swallowed.
H314	Causes severe skin burns and eye damage.
H400	Very toxic to aquatic life.
H411	Toxic to aquatic life with long lasting effects.

Precautionary statements ***

P273	Avoid release to the environment.
P280	Wear protective gloves/protective clothing/eye protection/face protection.
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.
P310	Immediately call a POISON CENTER or doctor.
P501	Dispose of contents/container according to the local/national rules and regulations.

Hazardous component(s) to be indicated on label (Regulation (EC) No. 1272/2008)

contains didecyldimethylammonium chloride

Supplemental information

For professional use only.

2.3. Other hazards

No special hazards have to be mentioned. The product does not contain a substance that has endocrine disrupting properties with respect to non-target organisms.

SECTION 3: Composition/information on ingredients

3.2. Mixtures

Hazardous ingredients

didecyldimethylammonium chloride

CAS No.	7173-51-5
EINECS no.	230-525-2
Registration no.	01-2119945987-15
Concentration	>= 50 < 79 %

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Classification (Regulation (EC) No. 1272/2008)

Flam. Liq. 3	H226
Acute Tox. 3	H301
Skin Corr. 1B	H314
Eye Dam. 1	H318
Aquatic Acute 1	H400
Aquatic Chronic 2	H411

Concentration limits (Regulation (EC) No. 1272/2008)

	Aquatic Acute 1	H400	M = 10	
ATE	oral	238		mg/kg

Further ingredients**ethanol**

CAS No.	64-17-5			
EINECS no.	200-578-6			
Registration no.	01-2119457610-43-XXXX			
Concentration	>=	1	<	10 %

Advice: [3]

Classification (Regulation (EC) No. 1272/2008)

Flam. Liq. 2	H225
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Note

[3] Substance with occupational exposure limits

SECTION 4: First aid measures**4.1. Description of first aid measures****General information**

Remove contaminated, soaked clothing immediately and dispose of safely.

After inhalation

Ensure supply of fresh air. Remove the casualty into fresh air and keep him calm. In the event of symptoms take medical treatment.

After skin contact

Wash off immediately with soap and water. Consult a doctor if skin irritation persists.

After eye contact

In case of contact with the eyes, rinse immediately for at least 15 minutes with plenty of water. Eye treatment by an ophthalmologist.

After ingestion

Rinse mouth thoroughly with water. Drink water in small gulps. If swallowed, seek medical advice immediately and show this container or label.

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

The following symptoms may occur: Shortness of breath

4.3. Indication of any immediate medical attention and special treatment needed**Hints for the physician / treatment**

Treat symptomatically

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SECTION 5: Firefighting measures

5.1. Extinguishing media

Suitable extinguishing media

Product itself is non-combustible; adapt fire extinguishing measures to surrounding areas. Compatible with all usual extinguishing media.

Non suitable extinguishing media

Full water jet

5.2. Special hazards arising from the substance or mixture

In case of combustion evolution of dangerous gases possible.

5.3. Advice for firefighters

Special protective equipment for fire-fighting

Use self-contained breathing apparatus.

Other information

Fire residues and contaminated fire-fighting water must be disposed of in accordance with the local regulations.

SECTION 6: Accidental release measures

6.1. Personal precautions, protective equipment and emergency procedures

High risk of slipping due to leakage/spillage of product. Use personal protective clothing.

6.2. Environmental precautions

Do not discharge into the subsoil/soil. Do not discharge into the drains/surface waters/groundwater.

6.3. Methods and material for containment and cleaning up

Take up with absorbent material (eg sand, kieselguhr, universal binder). Rinse away rest with plenty of water.

6.4. Reference to other sections

Refer to protective measures listed in Sections 7 and 8. Information regarding waste disposal, see Section 13.

SECTION 7: Handling and storage

7.1. Precautions for safe handling

Advice on safe handling

Keep container tightly closed. Observe the usual precautions for handling chemicals.

Advice on protection against fire and explosion

The product is not combustible. Containers in danger should be cooled with water.

7.2. Conditions for safe storage, including any incompatibilities

Recommended storage temperature

Value 10 25 °C

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Storage stability

Storage life: 3 years

Requirements for storage rooms and vessels

Keep only in original packaging. Storage rooms must be properly ventilated.

Hints on storage assembly

Do not store together with foodstuffs. Do not store together with animal feedstocks.

Further information on storage conditions

Keep only in the original container, tightly closed, in a well ventilated place. Protect from heat and direct sunlight.

7.3. Specific end use(s)

For professional use only.

SECTION 8: Exposure controls/personal protection**8.1. Control parameters****Other information**

Maintain air concentrations below occupational exposure standards.

8.2. Exposure controls**General protective and hygiene measures**

Avoid contact with skin and eyes. Do not eat, drink or smoke during work time. Observe the usual precautions for handling chemicals.

Respiratory protection

Breathing apparatus in the event of aerosol or mist formation. If workplace limits are exceeded, a respiratory protection approved for this particular job must be worn.

Hand protection

In case of intensive contact wear protective gloves.

Appropriate Material	=	nitrile	
Material thickness	=	0,5	mm
Breakthrough time	>=	480	min

z.B.: BRILLANT nitrilCOMFORT, Art.-Nr. 4451000700 oder BRILLANT nitrilSTYLE, Art.-Nr. 4451001300

Eye protection

Tightly fitting safety glasses

Body protection

Clothing as usual in the chemical industry.

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

Physical state	liquid
Colour	blue violet
Odour	Product specific
Freezing point	

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Value appr. -4 to 4 °C

Boiling point or initial boiling point and boiling range

Value appr. 100 °C

Flash point

Value > 65 °C

Decomposition temperature

Remarks No decomposition if used as prescribed.

pH value

Value = 6 to 8

Concentration/H₂O = 100 %

Temperature = 20 °C

Viscosity**dynamic**

Value appr. 50 to 150 mPa.s

Temperature = 20 °C

Partition coefficient n-octanol/water (log value)

Remarks not determined

Vapour pressure

Remarks not determined

Density and/or relative densityValue appr. 0,970 to 0,975 g/cm³

Temperature = 20 °C

Relative vapour density

Remarks not determined

9.2. Other information**Sublimation point**

Remarks not determined

Evaporation rate

Remarks not determined

Evaporation rate (ether = 1) :

Remarks not determined

Solubility in water

Remarks Completely miscible

Auto-ignition temperature

Remarks not determined

Combustion factor

Remarks not determined

Oxidising properties

evaluation None known

Bulk density

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Remarks not determined

Packed bulk density

Remarks not determined

Solids content

Remarks not determined

Saturation Concentration

Remarks not determined

Critical point

Remarks not determined

Dissociation constant

Remarks not determined

Surface tension

Remarks not determined

Other information

None known

SECTION 10: Stability and reactivity**10.1. Reactivity**

None known

10.2. Chemical stability

Protect from extreme heat and cold.

10.3. Possibility of hazardous reactions

Protect from extreme heat and cold. Protect from contamination.

10.4. Conditions to avoid

Keep at temperature not exceeding 30 °C.

10.5. Incompatible materials

No hazardous reactions when stored and handled according to prescribed instructions.

10.6. Hazardous decomposition products

Toxic gases/vapours

SECTION 11: Toxicological information**11.1 Information on hazard classes as defined in Regulation (EC) No 1272/2008****Acute oral toxicity**

ATE	476	mg/kg
Method	calculated value (Regulation (EC) No. 1272/2008)	

Acute oral toxicity (Components)**didecyldimethylammonium chloride**

LD50	238	mg/kg
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Acute dermal toxicity

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	>=	2000	mg/kg
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Acute dermal toxicity (Components)**didecyldimethylammonium chloride**

LD50	3342	mg/kg
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Acute inhalational toxicity

	>=	2000	mg/l
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Skin corrosion/irritation

evaluation	irritant
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Serious eye damage/irritation

evaluation	irritant
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Sensitization

evaluation	non-sensitizing
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Subacute, subchronic, chronic toxicity

Remarks	not determined
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Mutagenicity

Remarks	not determined
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Reproductive toxicity

Remarks	not determined
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Carcinogenicity

Remarks	not determined
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11.2 Information on other hazards**Endocrine disrupting properties with respect to humans**

The product does not contain a substance that has endocrine disrupting properties with respect to humans.

SECTION 12: Ecological information**12.1. Toxicity****Fish toxicity (Components)****didecyldimethylammonium chloride**

Species	Fathead minnow (Pimephales promelas)		
LC50	=	0,19	mg/l
Duration of exposure	=	96	h
Method	US-EPA		

didecyldimethylammonium chloride

Species	zebra fish (Brachydanio rerio)		
NOEC	=	0,03	mg/l
Duration of exposure	=	34	d

ethanol

Species	Fathead minnow (Pimephales promelas)		
LC50	=	15300	mg/l
Duration of exposure	=	96	h
Method	US-EPA		

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Daphnia toxicity (Components)**didecyldimethylammonium chloride**

Species	Daphnia magna		
NOEC	= 0,01		mg/l
Duration of exposure	= 21	d	
Method	OECD 211		

didecyldimethylammonium chloride

Species	Daphnia magna		
EC50	= 0,06		mg/l
Duration of exposure	= 48	h	
Method	EPA-FIFRA		

ethanol

Species	Ceriodaphnia spec		
EC50	> 10000		mg/l
Duration of exposure	= 48	h	
Source	Manufacturer's data		

ethanol

Species	Daphnia magna		
EC50	> 10000		mg/l
Duration of exposure	= 48	h	

Algae toxicity (Components)**didecyldimethylammonium chloride**

ErC50	= 0,02		mg/l
Duration of exposure	= 96	h	
Method	OECD TG 201		

ethanol

Species	Chlorella vulgaris		
EC10	= 11,5		mg/l
Duration of exposure	= 3	d	
Method	OECD TG 201		

ethanol

Species	Chlorella vulgaris		
EC50	= 275		mg/l
Duration of exposure	= 3	d	
Method	OECD TG 201		

Bacteria toxicity (Components)**didecyldimethylammonium chloride**

Species	activated sludge		
EC50	= 11		mg/l
Duration of exposure	= 3	h	
Method	OECD 209		

ethanol

	= 5800		mg/l
Duration of exposure	= 4	h	

12.2. Persistence and degradability

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General information

not determined

12.3. Bioaccumulative potential**Partition coefficient n-octanol/water (log value)**

Remarks not determined

12.4. Mobility in soil**General information**

not determined

12.5. Results of PBT and vPvB assessment**General information**

not determined

12.6 Endocrine disrupting properties**General information**

The mixture has been assessed following the summation method of the CLP Regulation (EC) No 1272/2008 and is classified for eco-toxicological properties accordingly. See Sections 2 and 3 for details.

12.7. Other adverse effects**General information**

not determined

Global Warming Potential

Remarks not determined

General information / ecology

The surfactant(s) contained in this preparation complies(comply) with the biodegradability criteria as laid down in Regulation (EC) No.648/2004 on detergents. Data to support this assertion are held at the disposal of the competent authorities of the Member States and will be made available to them, at their direct request or at the request of a detergent manufacturer.

SECTION 13: Disposal considerations**13.1. Waste treatment methods****Disposal recommendations for the product**

EWC waste code 20 01 29* detergents containing dangerous substances

The listed waste code numbers, according to the European Waste Catalogue (EWC), are to be understood as a recommendation. A final decision must be made in agreement with the regional waste disposal company.

SECTION 14: Transport information

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	Land transport ADR/RID	Marine transport IMDG/GGVSee	Air transport ICAO/IATA
Tunnel restriction code	E		
14.1. UN number	1903	1903	1903
14.2. UN proper shipping name	DISINFECTANT, LIQUID, CORROSIVE, N.O.S. (didecyldimethylammonium chloride)	DISINFECTANT, LIQUID, CORROSIVE, N.O.S. (didecyldimethylammonium chloride)	DISINFECTANT, LIQUID, CORROSIVE, N.O.S. (didecyldimethylammonium chloride)
14.3. Transport hazard class(es)	8	8	8
Label			
14.4. Packing group	III	III	III
Limited Quantity	5 l		
Transport category	3		
14.5. Environmental hazards	 ENVIRONMENTALLY HAZARDOUS	 ENVIRONMENTALLY HAZARDOUS	 ENVIRONMENTALLY HAZARDOUS

Information for all modes of transport

14.6. Special precautions for user

The relevant transport regulations have to be considered.

Other information

14.7 Maritime transport in bulk according to IMO instruments

No data available

SECTION 15: Regulatory information

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

30 % and more:

disinfectants, cationic surfactants

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VOC

VOC (CH)	=	15	%
VOC (EU)	=	15	%

Other regulations, restrictions and prohibition regulations

Regulation (EC) No 2015/830

Substance / product identification

UFI VVX6-P29K-S00C-J1PS

Biocide Substance

didecyldimethylammonium chloride
 Concentration 500 g/kg
 CAS No. 7173-51-5

15.2. Chemical safety assessment

For this preparation a chemical safety assessment has not been carried out.

SECTION 16: Other information

Alterations/supplements: Alterations to the previous edition are marked with an asterisk (*) in the left-hand margin.

Classification and method used to derive the classification of mixtures in accordance with Regulation (EC) No 1272/2008 [CLP]: Based on test data, calculation method;

Hazard statements listed in Chapter 3

H226	Flammable liquid and vapour.
H301	Toxic if swallowed.
H314	Causes severe skin burns and eye damage.
H318	Causes serious eye damage.
H400	Very toxic to aquatic life.
H411	Toxic to aquatic life with long lasting effects.

CLP categories listed in Chapter 3

Acute Tox. 3	Acute toxicity, Category 3
Aquatic Acute 1	Hazardous to the aquatic environment, acute, Category 1
Aquatic Chronic 2	Hazardous to the aquatic environment, chronic, Category 2
Eye Dam. 1	Serious eye damage, Category 1
Flam. Liq. 3	Flammable liquid, Category 3
Skin Corr. 1B	Skin corrosion, Category 1B

Abbreviations

ADR: Accord européen relatif au transport international des marchandises Dangereuses par Route
 IMDG: International Maritime Code for Dangerous Goods
 IATA: International Air Transport Association
 CAS: Chemical Abstracts Service
 VOC: Volatile Organic Compound
 MAK: Maximale Arbeitsplatz-Konzentration
 NOEL: No observable effect level
 NOEC: No observable effect concentration
 LD: Lethal dose
 LC: Lethal concentration

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DNEL: Derived no effect level

IMO: International Maritime Organization

REACH: Registration, Evaluation, Autohorisation and Restriction of Chemicals

CEFIC: European Chemical Industry Council

PNEC: Predicted no effect concentration

DMEL: Derived minimal effect level

DNEL: Derived no effect level

RID: Règlement concernant le transport international ferroviaire de marchandises dangereuses

UN: United Nations

Supplemental information

Relevant changes compared with the previous version of the safety data sheet are marked with: ***

This information is based on our present state of knowledge. However, it should not constitute a guarantee for any specific product properties and shall not establish a legally valid relationship.

