

desderman care DE FR EN

5 I KA No Change Service!

Version 03.03
Revision Date: 23.09.2022

Date of last issue: 13.07.2022

1. PRODUCT AND COMPANY IDENTIFICATION

Product name : desderman care DE FR EN 5 I KA

Manufacturer or supplier's details

Producer : Schülke & Mayr GmbH
Robert-Koch-Str. 2

22851 Norderstedt
Germany
Telephone: +49 (0)40/ 52100-0
Telefax: +49 (0)40/ 52100318
mail@schuelke.com
www.schuelke.com

Importer : Pharma World
Maruf for Marketing Management DWC

Sadik Maruf, MD
G.M.
Telephone: +971 569060252

Emergency telephone number : Carechem 24 International: +44 1865 407333 (only English)
Emergency telephone number : Carechem 24 International: +44 1235 239671

Recommended use of the chemical and restrictions on use

Recommended use : Disinfectants and general biocidal products
Restrictions on use : Reserved for industrial and professional use.

2. HAZARDS IDENTIFICATION



GHS Classification

Flammable liquids : Category 2

Serious eye damage/eye irritation : Category 2A

Long-term (chronic) aquatic hazard : Category 3

GHS label elements

Hazard pictograms :  

Signal word : Danger

Hazard statements : H225 Highly flammable liquid and vapour.
H319 Causes serious eye irritation.
H412 Harmful to aquatic life with long lasting effects.

Precautionary statements : P101 If medical advice is needed, have product container or label at hand.

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P102 Keep out of reach of children.

Prevention:

P210 Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking.

Response:

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

Storage:

P403 + P235 Store in a well-ventilated place. Keep cool.

Disposal:

P501 Dispose of contents/ container to an approved waste disposal plant.

Other hazards which do not result in classification

Vapours are heavier than air and may spread along floors.
Take precautionary measures against static discharges.

3. COMPOSITION/INFORMATION ON INGREDIENTS

Substance / Mixture : Mixture
Chemical nature : Solution of the following substances with harmless additives.

Components

Chemical name	CAS-No.	Concentration (% w/w)
ethanol	64-17-5	>= 70 - < 90
tetradecanol	112-72-1	>= 1 - < 2.5

4. FIRST AID MEASURES

General advice : Take off all contaminated clothing immediately.

If inhaled : Move to fresh air.
If symptoms persist, call a physician.

In case of eye contact : Rinse thoroughly with plenty of water, also under the eyelids.
If eye irritation persists, consult a specialist.

If swallowed : Do NOT induce vomiting.
Clean mouth with water and drink afterwards plenty of water.
If swallowed, seek medical advice immediately and show this container or label.

Most important symptoms and effects, both acute and delayed : Treat symptomatically.
Causes serious eye irritation.

Notes to physician : For specialist advice physicians should contact the Poisons Information Service.

5. FIREFIGHTING MEASURES

Suitable extinguishing media : Dry powder
Alcohol-resistant foam
Water spray jet
Carbon dioxide (CO₂)

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- Unsuitable extinguishing media : Do NOT use water jet.
- Specific hazards during fire-fighting : Vapours are heavier than air and may spread along floors. Cool closed containers exposed to fire with water spray.
- Hazardous combustion products : No hazardous combustion products are known
- Special protective equipment for firefighters : In the event of fire, wear self-contained breathing apparatus.

6. ACCIDENTAL RELEASE MEASURES

- Personal precautions, protective equipment and emergency procedures : Ensure adequate ventilation. Remove all sources of ignition.
- Environmental precautions : Avoid subsoil penetration.
- Methods and materials for containment and cleaning up : Wipe up with absorbent material (e.g. cloth, fleece). Soak up with inert absorbent material (e.g. sand, silica gel, acid binder, universal binder, sawdust).

7. HANDLING AND STORAGE

- Advice on protection against fire and explosion : Take measures to prevent the build up of electrostatic charge. The hot product gives off combustible vapours.
- Advice on safe handling : Do not spray on a naked flame or any incandescent material. Keep away from sources of ignition - No smoking. Keep away from children.
- Conditions for safe storage : Store at room temperature in the original container. Keep at temperature not exceeding 25 °C.
- Further information on storage conditions : Keep away from direct sunlight. Keep container tightly closed.
- Materials to avoid : Do not store together with explosives, oxidizing agents, organic peroxides and infectious products.

8. EXPOSURE CONTROLS/PERSONAL PROTECTION

Components with workplace control parameters

Components	CAS-No.	Value type (Form of exposure)	Control parameters / Permissible concentration	Basis
ethanol	64-17-5	STEL	1,000 ppm	ACGIH

Personal protective equipment

- Respiratory protection : No personal respiratory protective equipment normally required. No personal respiratory protective equipment normally required.
- Hand protection

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Remarks	:	Not applicable
Eye protection	:	If splashes are likely to occur, wear: Safety glasses with side-shields conforming to EN166
Protective measures	:	Avoid contact with eyes.
Hygiene measures	:	Keep away from food and drink.

9. PHYSICAL AND CHEMICAL PROPERTIES

Appearance	:	liquid
Colour	:	colourless
Odour	:	alcohol-like
Odour Threshold	:	not determined
pH	:	Not applicable
Melting point/freezing point	:	< -5 °C
Decomposition temperature	:	No data available
Boiling point/boiling range	:	ca. 80 °C literature value
Flash point	:	17 °C Method: DIN EN ISO 13736
Evaporation rate	:	No data available
Flammability (liquids)	:	Sustains combustion
Upper explosion limit / Upper flammability limit	:	15 %(V) Raw material
Lower explosion limit / Lower flammability limit	:	3.1 %(V) Raw material
Vapour pressure	:	ca. 50 hPa (20 °C)
Relative vapour density	:	No data available
Density	:	ca. 0.83 g/cm ³ (20 °C)
Solubility(ies) Water solubility	:	completely soluble (20 °C)
Partition coefficient: n-octanol/water	:	Not applicable
Auto-ignition temperature	:	> 360 °C Raw material
Flow time	:	< 15 s (20 °C) Method: DIN 53211
 Explosive properties	:	Vapours may form explosive mixtures with air.

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Oxidizing properties : The substance or mixture is not classified as oxidizing.
Metal corrosion rate : None reasonably foreseeable.

10. STABILITY AND REACTIVITY

Reactivity : No dangerous reaction known under conditions of normal use.
Chemical stability : The product is chemically stable.
Possibility of hazardous reactions : Vapours may form explosive mixture with air.
Reaction with oxidising agents
Exothermic reaction with strong acids.
Conditions to avoid : Heat, flames and sparks.
Incompatible materials : Strong acids and oxidizing agents
Hazardous decomposition products : None reasonably foreseeable.

11. TOXICOLOGICAL INFORMATION

Acute toxicity

Not classified based on available information.

Product:

Acute inhalation toxicity : Acute toxicity estimate: > 40 mg/l
Exposure time: 4 h
Test atmosphere: vapour
Method: Calculation method

Components:

ethanol:

Acute oral toxicity : LD50 (Mouse): 8,300 mg/kg
Acute inhalation toxicity : LC50 (Mouse): 39 mg/l
Exposure time: 4 h
Test atmosphere: vapour
Acute dermal toxicity : LD50 (Rabbit): 20,000 mg/kg

tetradecanol:

Acute oral toxicity : LD50 (Rat): > 5,000 mg/kg
Method: OECD Test Guideline 401
Acute inhalation toxicity : Remarks: No data available
Acute dermal toxicity : LD50 (Rabbit): > 5,000 mg/kg

Skin corrosion/irritation

Not classified based on available information.

Components:

ethanol:

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Species : Rabbit
Method : OECD Test Guideline 404
Result : No skin irritation

tetradecanol:

Species : Rabbit
Method : OECD Test Guideline 404
Result : No skin irritation

Serious eye damage/eye irritation

Causes serious eye irritation.

Components:

ethanol:

Method : OECD Test Guideline 405
Result : Eye irritation

tetradecanol:

Species : Rabbit
Method : OECD Test Guideline 405
Result : Eye irritation

Respiratory or skin sensitisation

Skin sensitisation

Not classified based on available information.

Respiratory sensitisation

Not classified based on available information.

Components:

ethanol:

Test Type : Maximisation Test
Species : Guinea pig
Method : OECD Test Guideline 406
Result : Did not cause sensitisation on laboratory animals.

tetradecanol:

Test Type : Maximisation Test
Species : Guinea pig
Method : OECD Test Guideline 406
Result : Did not cause sensitisation on laboratory animals.

Germ cell mutagenicity

Not classified based on available information.

Components:

ethanol:

Genotoxicity in vitro : Test Type: Microbial mutagenesis assay (Ames test)
Test system: Salmonella typhimurium
Metabolic activation: with and without metabolic activation

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Method: OECD Test Guideline 471
Result: Not mutagenic in Ames Test

Genotoxicity in vivo : Result: Non mutagenic

Germ cell mutagenicity - Assessment : Tests on bacterial or mammalian cell cultures did not show mutagenic effects.

tetradecanol:

Genotoxicity in vitro : Test Type: Microbial mutagenesis assay (Ames test)
Method: OECD Test Guideline 471
Result: negative
Remarks: Based on data from similar materials

Germ cell mutagenicity - Assessment : Not mutagenic in Ames Test

Carcinogenicity

Not classified based on available information.

Components:

ethanol:

Carcinogenicity - Assessment : Did not show carcinogenic effects in animal experiments.

tetradecanol:

Carcinogenicity - Assessment : Carcinogenicity classification not possible from current data.

Reproductive toxicity

Not classified based on available information.

Components:

ethanol:

Effects on foetal development : Species: Rat
Application Route: Oral
General Toxicity Maternal: NOAEL: 2,000 mg/kg body weight

Reproductive toxicity - Assessment : Animal experiments showed mutagenic and teratogenic effects.

tetradecanol:

Reproductive toxicity - Assessment : Based on available data, the classification criteria are not met.

STOT - single exposure

Not classified based on available information.

Components:

ethanol:

Remarks : No data available

tetradecanol:

Remarks : Based on available data, the classification criteria are not met.

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STOT - repeated exposure

Not classified based on available information.

Components:

ethanol:

||Remarks : No data available

tetradecanol:

||Remarks : Based on available data, the classification criteria are not met.

Repeated dose toxicity

Components:

ethanol:

||Species : Rat
||NOAEL : 1,730 mg/kg
||LOAEL : 3,160 mg/kg
||Application Route : Oral
||Exposure time : 90 d

tetradecanol:

||Remarks : No data available

Aspiration toxicity

Not classified based on available information.

Further information

Product:

Remarks : No human information is available.

12. ECOLOGICAL INFORMATION

Ecotoxicity

Components:

ethanol:

||Toxicity to fish : LC50 (Leuciscus idus (Golden orfe)): 8,140 mg/l
Exposure time: 48 h
||Toxicity to daphnia and other aquatic invertebrates : EC50 (Daphnia magna (Water flea)): > 5,000 mg/l
Exposure time: 48 h
||Toxicity to algae/aquatic plants : IC50 (Scenedesmus quadricauda (Green algae)): > 100 mg/l
Exposure time: 72 h

tetradecanol:

||Toxicity to fish : LC50 (Brachidanio rerio): > 100 mg/l

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Method: ISO 7346/2

Toxicity to daphnia and other aquatic invertebrates : EC50 (Daphnia magna): > 1 - 10 mg/l
Method: OECD Test Guideline 202

Toxicity to algae/aquatic plants : EC50 (Desmodesmus subspicatus (green algae)): 10 - 100 mg/l
Method: OECD Test Guideline 201

Toxicity to fish (Chronic toxicity) : NOEC: > 1 - 10 mg/l
Species: Brachidanio rerio
Remarks: The toxicological data has been taken from products of similar composition.

Toxicity to daphnia and other aquatic invertebrates (Chronic toxicity) : NOEC: > 0.001 - 0.01 mg/l
Species: Daphnia magna (Water flea)
Method: OECD Test Guideline 211

M-Factor (Chronic aquatic toxicity) : 1

Persistence and degradability

Components:

ethanol:

Biodegradability : aerobic
Result: Readily biodegradable.
Biodegradation: > 70 %
Exposure time: 5 d
Method: OECD 301D / EEC 84/449 C6

tetradecanol:

Biodegradability : Result: Readily biodegradable.

Bioaccumulative potential

Components:

ethanol:

Bioaccumulation : Remarks: Bioaccumulation is unlikely.

Partition coefficient: n-octanol/water : log Pow: -0.14
Method: Calculated value

tetradecanol:

Bioaccumulation : Remarks: Does not significantly accumulate in organisms.

Mobility in soil

Components:

ethanol:

Mobility : Remarks: No data available

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II

tetradecanol:

Mobility : Remarks: After release, adsorbs onto soil., The product evaporates slowly.

Other adverse effects

Product:

Additional ecological information : No data is available on the product itself.

13. DISPOSAL CONSIDERATIONS

Disposal methods

Waste from residues : Disposal together with normal waste is not allowed. Special disposal required according to local regulations.
Contaminated packaging : Empty containers should be taken to an approved waste handling site for recycling or disposal.

14. TRANSPORT INFORMATION

International Regulations

UNRTDG

UN number : UN 1170
Proper shipping name : ETHANOL SOLUTION
Class : 3
Packing group : II
Labels : 3

IATA-DGR

UN/ID No. : UN 1170
Proper shipping name : Ethanol solution
Class : 3
Packing group : II
Labels : Flammable liquid
Packing instruction (cargo aircraft) : 364
Packing instruction (passenger aircraft) : 353

IMDG-Code

UN number : UN 1170
Proper shipping name : ETHANOL SOLUTION
Class : 3
Packing group : II
Labels : 3
EmS Code : F-E, S-D
Marine pollutant : no

Transport in bulk according to IMO instruments

Not applicable for product as supplied.

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Special precautions for user

The transport classification(s) provided herein are for informational purposes only, and solely based upon the properties of the unpackaged material as it is described within this Safety Data Sheet. Transportation classifications may vary by mode of transportation, package sizes, and variations in regional or country regulations.

15. REGULATORY INFORMATION

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

This information is not available.

The components of this product are reported in the following inventories:

TCSI	:	On the inventory, or in compliance with the inventory
TSCA	:	All substances listed as active on the TSCA inventory
AIIC	:	On the inventory, or in compliance with the inventory
DSL	:	All components of this product are on the Canadian DSL
ENCS	:	On the inventory, or in compliance with the inventory
ISHL	:	On the inventory, or in compliance with the inventory
KECI	:	On the inventory, or in compliance with the inventory
PICCS	:	On the inventory, or in compliance with the inventory
IECSC	:	On the inventory, or in compliance with the inventory
NZIoC	:	Not in compliance with the inventory
TECI	:	Not in compliance with the inventory

16. OTHER INFORMATION

Changes since the last version are highlighted in the margin. This version replaces all previous versions.

Full text of other abbreviations

ACGIH	:	USA. ACGIH Threshold Limit Values (TLV)
ACGIH / STEL	:	Short-term exposure limit

AIIC - Australian Inventory of Industrial Chemicals; ANTT - National Agency for Transport by Land of Brazil; ASTM - American Society for the Testing of Materials; bw - Body weight; CMR - Carcinogen, Mutagen or Reproductive Toxicant; DIN - Standard of the German Institute for Standardisation; DSL - Domestic Substances List (Canada); ECx - Concentration associated with x% response; ELx - Loading rate associated with x% response; EmS - Emergency Schedule;

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ENCS - Existing and New Chemical Substances (Japan); ErCx - Concentration associated with x% growth rate response; ERG - Emergency Response Guide; 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; Nch - Chilean Norm; NO(A)EC - No Observed (Adverse) Effect Concentration; NO(A)EL - No Observed (Adverse) Effect Level; NOELR - No Observable Effect Loading Rate; NOM - Official Mexican Norm; NTP - National Toxicology Program; 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; SADT - Self-Accelerating Decomposition Temperature; SDS - Safety Data Sheet; TCSI - Taiwan Chemical Substance Inventory; TDG - Transportation of Dangerous Goods; TECI - Thailand Existing Chemicals Inventory; TSCA - Toxic Substances Control Act (United States); UN - United Nations; UNRTDG - United Nations Recommendations on the Transport of Dangerous Goods; vPvB - Very Persistent and Very Bioaccumulative; WHMIS - Workplace Hazardous Materials Information System

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.