

desderman® pure gel**No Change Service!**Version
03.06Revision Date:
14.08.2020Date of last issue: 11.06.2019
Date of first issue: 29.04.2009

SECTION 1: Identification of the substance/mixture and of the company/undertaking**1.1 Product identifier**

Trade name : desderman® pure gel

1.2 Relevant identified uses of the substance or mixture and uses advised againstUse of the Sub-
stance/Mixture : Disinfectants and general biocidal productsRecommended restrictions
on use : Restricted to professional users.**1.3 Details of the supplier of the safety data sheet**Manufacturer/ Supplier : 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.comSupplier : Schülke & Mayr UK Ltd.
Cygnet House
1, Jenkin Road, Meadowhall

Sheffield S9 1AT
United Kingdom
Telephone: +44 114 254 35 00
Telefax: +44 114 254 35 01
mail.uk@schulke.comE-mail address of person
responsible for the
SDS/Contact person : Application Department
+49 (0)40/ 521 00 666
AD@schuelke.com
(Schülke & Mayr UK Ltd.: +44-1142543500)**1.4 Emergency telephone number**Emergency telephone num-
ber : UK Poisons Emergency number: 0870 600 6266

SECTION 2: Hazards identification**2.1 Classification of the substance or mixture****Classification (REGULATION (EC) No 1272/2008)**

Flammable liquids, Category 2 H225: Highly flammable liquid and vapour.

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

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2.2 Label elements

Labelling (REGULATION (EC) No 1272/2008)

Hazard pictograms :



Signal word : Danger

Hazard statements : H225 Highly flammable liquid and vapour.
H319 Causes serious eye irritation.

Precautionary statements : **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 + P233 Store in a well-ventilated place. Keep container tightly closed.

Disposal:

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

Additional Labelling

Use biocides safely. Always read the label and product information before use.

2.3 Other hazards

This substance/mixture contains no components considered to be either persistent, bioaccumulative and toxic (PBT), or very persistent and very bioaccumulative (vPvB) at levels of 0.1% or higher.

Take precautionary measures against static discharges.

SECTION 3: Composition/information on ingredients

3.2 Mixtures

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

Components

Chemical name	CAS-No. EC-No. Index-No. Registration number	Classification	Concentration (% w/w)
ethanol	64-17-5 200-578-6	Flam. Liq. 2; H225 Eye Irrit. 2; H319	>= 70 - < 90

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	603-002-00-5 01-2119457610-43-XXXX		
propan-2-ol	67-63-0 200-661-7 603-117-00-0 01-2119457558-25-XXXX	Flam. Liq. 2; H225 Eye Irrit. 2; H319 STOT SE 3; H336	>= 10 - < 20
2-phenylphenol (ISO)	90-43-7 201-993-5 604-020-00-6 01-2119511183-53-XXXX	Skin Irrit. 2; H315 Eye Irrit. 2; H319 STOT SE 3; H335 Aquatic Acute 1; H400; M = 1 Aquatic Chronic 1; H410; M = 1	>= 0.1 - < 0.25

For explanation of abbreviations see section 16.

SECTION 4: First aid measures

4.1 Description of 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.

4.2 Most important symptoms and effects, both acute and delayed

- Symptoms : Treat symptomatically.

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 : Alcohol-resistant foam
Dry powder
Water spray jet
Carbon dioxide (CO₂)
- Unsuitable extinguishing : Do NOT use water jet.

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media

5.2 Special hazards arising from the substance or mixture

Specific hazards during fire-fighting : Cool closed containers exposed to fire with water spray.

Hazardous combustion products : Vapours may form explosive mixtures with air.

5.3 Advice for firefighters

Special protective equipment for firefighters : In the event of fire, wear self-contained breathing apparatus.

SECTION 6: Accidental release measures**6.1 Personal precautions, protective equipment and emergency procedures**Personal precautions : Ensure adequate ventilation.
Remove all sources of ignition.**6.2 Environmental precautions**

Environmental precautions : Avoid subsoil penetration.

6.3 Methods and material for containment and cleaning upMethods for 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).**6.4 Reference to other sections**

see Section 8 + 13

SECTION 7: Handling and storage**7.1 Precautions for safe handling**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.
Ensure adequate ventilation.

Advice on protection against fire and explosion : The hot product gives off combustible vapours. Take measures to prevent the build up of electrostatic charge.

Hygiene measures : Keep away from food and drink.

7.2 Conditions for safe storage, including any incompatibilities

Requirements for storage areas and containers : Store at room temperature in the original container. Keep at temperature not exceeding 25 °C.

Further information on storage : Keep away from direct sunlight. Keep container tightly closed.

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age conditions

Advice on common storage : Do not store together with oxidising agents.

7.3 Specific end use(s)

Specific use(s) : none

SECTION 8: Exposure controls/personal protection**8.1 Control parameters****Occupational Exposure Limits**

Components	CAS-No.	Value type (Form of exposure)	Control parameters	Basis
ethanol	64-17-5	TWA	1,000 ppm 1,920 mg/m ³	GB EH40
Further information: Where no specific short-term exposure limit is listed, a figure three times the long-term exposure limit should be used.				
propan-2-ol	67-63-0	TWA	400 ppm 999 mg/m ³	GB EH40
		STEL	500 ppm 1,250 mg/m ³	GB EH40

Derived No Effect Level (DNEL) according to Regulation (EC) No. 1907/2006:

Substance name	End Use	Exposure routes	Potential health effects	Value
ethanol	Workers	Inhalation	Acute local effects	1900 mg/m ³
	Workers	Skin contact	Long-term systemic effects	343 mg/kg
	Workers	Inhalation	Long-term systemic effects	950 mg/m ³
propan-2-ol	Workers	Skin contact	Long-term systemic effects	888 mg/kg
	Workers	Inhalation	Long-term systemic effects	500 mg/m ³
2-phenylphenol (ISO)	Workers	Inhalation	Long-term systemic effects	19.25 mg/m ³
	Workers	Dermal	Long-term systemic effects	21.84 mg/kg

Predicted No Effect Concentration (PNEC) according to Regulation (EC) No. 1907/2006:

Substance name	Environmental Compartment	Value
ethanol	Fresh water	0.96 mg/l
	Marine water	0.79 mg/l
	Fresh water sediment	3.6 mg/kg
	Soil	0.63 mg/kg
	Marine sediment	2.9 mg/kg
	Sewage treatment plant	580 mg/l
propan-2-ol	Fresh water	140.9 mg/l
	Marine water	140.9 mg/l
	Fresh water sediment	552 mg/kg
	Marine sediment	552 mg/kg

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	Soil	28 mg/kg
	Intermittent use/release	140.9 mg/l
	Effects on waste water treatment plants	2251 mg/l
	Oral	160 mg/kg food
2-phenylphenol (ISO)	Fresh water	0.0009 mg/l
	Marine water	0.00009 mg/l
	Intermittent use/release	0.027 mg/l
	Sewage treatment plant	0.56 mg/l
	Fresh water sediment	0.1284 mg/kg
	Marine sediment	0.01284 mg/kg
	Soil	2.5 mg/kg

8.2 Exposure controls

Personal protective equipment

Eye protection : If splashes are likely to occur, wear:
Safety glasses with side-shields conforming to EN166

Protective measures : Avoid contact with eyes.

SECTION 9: Physical and chemical properties

9.1 Information on basic physical and chemical properties

Appearance : viscous

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

Flash point : 13 °C
Method: DIN 53213, Part 1

Evaporation rate : No data available

Flammability (solid, gas) : Not applicable

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)

Vapour density : No data available

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Relative 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
Viscosity		
Viscosity, dynamic	:	700 - 1,300 mPa*s (20 °C) Method: DIN 53019
Explosive properties	:	No data available
Oxidizing properties	:	No data available

9.2 Other information

Self-ignition	:	No data available
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SECTION 10: Stability and reactivity**10.1 Reactivity**

No dangerous reaction known under conditions of normal use.

10.2 Chemical stability

The product is chemically stable.

10.3 Possibility of hazardous reactions

Hazardous reactions	:	Vapours may form explosive mixture with air. Exothermic reaction with strong acids.
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10.4 Conditions to avoid

Conditions to avoid	:	Heat, flames and sparks.
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10.5 Incompatible materials

Materials to avoid	:	Strong acids and oxidizing agents
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10.6 Hazardous decomposition products

None reasonably foreseeable.

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SECTION 11: Toxicological information**11.1 Information on toxicological effects****Acute toxicity****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

propan-2-ol:

Acute oral toxicity	: LD50 (Rat): 5,840 mg/kg
Acute inhalation toxicity	: LC50 (Rat): 39 mg/l Exposure time: 4 h Test atmosphere: vapour
Acute dermal toxicity	: LD50 (Rabbit): 13,900 mg/kg Method: OECD Test Guideline 402

2-phenylphenol (ISO):

Acute oral toxicity	: LD50 (Rat): 2,733 mg/kg Method: OECD Test Guideline 401
Acute inhalation toxicity	: LC0 (Rat): > 0.036 mg/l Exposure time: 4 h Test atmosphere: dust/mist Method: OECD Test Guideline 403 GLP: yes Assessment: The substance or mixture has no acute inhalation toxicity
Acute dermal toxicity	: LD50 (Rat): > 5,000 mg/kg Method: OECD Test Guideline 402

Skin corrosion/irritation**Product:**

Remarks	: No skin irritation
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Components:**ethanol:**

Species	: Rabbit
Method	: OECD Test Guideline 404

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|| Result : No skin irritation

propan-2-ol:

|| Result : No skin irritation

2-phenylphenol (ISO):

|| Species : Rabbit
|| Method : OECD Test Guideline 404
|| Result : Skin irritation

Serious eye damage/eye irritation

Product:

Remarks : Causes serious eye irritation.

Components:

ethanol:

|| Method : OECD Test Guideline 405
|| Result : Eye irritation

propan-2-ol:

|| Result : Eye irritation

2-phenylphenol (ISO):

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

Respiratory or skin sensitisation

Components:

ethanol:

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

propan-2-ol:

|| Test Type : Buehler Test
|| Species : Guinea pig
|| Result : Did not cause sensitisation on laboratory animals.

2-phenylphenol (ISO):

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

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Germ cell mutagenicity**Components:****ethanol:**

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

propan-2-ol:

Genotoxicity in vitro	: Test Type: Ames test Method: Mutagenicity (Escherichia coli - reverse mutation assay) Result: Non mutagenic
Genotoxicity in vivo	: Species: Mouse Method: Mutagenicity (micronucleus test) Result: Non mutagenic
Germ cell mutagenicity- Assessment	: Not mutagenic in Ames Test

2-phenylphenol (ISO):

Genotoxicity in vitro	: Test Type: reverse mutation assay Metabolic activation: with and without metabolic activation Method: OECD Test Guideline 471 Result: negative GLP: yes
Genotoxicity in vivo	: Test Type: Micronucleus test Species: Rat (male) Application Route: Oral Method: OECD Test Guideline 474 Result: negative
Germ cell mutagenicity- Assessment	: Not mutagenic in Ames Test

Carcinogenicity**Components:****ethanol:**

Carcinogenicity - Assessment	: Did not show carcinogenic effects in animal experiments.
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II**propan-2-ol:****II** Remarks : Based on available data, the classification criteria are not met.**II** Carcinogenicity - Assessment : Based on available data, the classification criteria are not met.**2-phenylphenol (ISO):**

II Species : Rat, male
 Application Route : Oral
 Exposure time : 2 Years
 Frequency of Treatment : täglich
 NOAEL : 200

II Carcinogenicity - Assessment : Based on available data, the classification criteria are not met.**Reproductive toxicity****Components:****ethanol:**

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

II Reproductive toxicity - Assessment : In animal testing, risk of impaired fertility was shown only after administration of very high doses of this substance.
 Animal experiments showed mutagenic and teratogenic effects.

propan-2-ol:

II Effects on foetal development : Species: Rat
 Application Route: Oral
 General Toxicity Maternal: NOAEL: 400 mg/kg body weight

II Reproductive toxicity - Assessment : Based on available data, the classification criteria are not met.
 Ingestion of excessive amounts by pregnant animals resulted in maternal and foetal toxicity.

2-phenylphenol (ISO):

II Effects on fertility : Species: Rat, male and female
 Application Route: Oral
 Duration of Single Treatment: 175 d
 Fertility: NOAEL: >= 500 mg/kg body weight
 Method: OECD Test Guideline 416
 Result: Animal testing did not show any effects on fertility.
 GLP: yes

II Effects on foetal development : Species: Rat
 Application Route: Oral
 Duration of Single Treatment: 28 d

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Developmental Toxicity: NOAEL: 250 mg/kg body weight
Method: OECD Test Guideline 414
Result: No effects on fertility and early embryonic development were detected.

Reproductive toxicity - Assessment : No data available
Animal testing did not show any effects on foetal development.

STOT - single exposure

Components:

ethanol:

Remarks : No data available

propan-2-ol:

Assessment : May cause drowsiness or dizziness.

2-phenylphenol (ISO):

Target Organs : Respiratory system
Assessment : May cause respiratory irritation.

STOT - repeated exposure

Components:

ethanol:

Remarks : No data available

propan-2-ol:

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

2-phenylphenol (ISO):

Remarks : No data available

Repeated dose toxicity

Components:

ethanol:

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

propan-2-ol:

Remarks : No data available

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2-phenylphenol (ISO):

Species	: Rat, male and female
NOAEL	: $\geq 1,000$ mg/kg
Application Route	: Skin contact
Exposure time	: 21 d
Number of exposures	: 5 d/ week
Method	: OECD Test Guideline 410
GLP	: yes
Remarks	: Subacute toxicity

Species	: Rat, male
LOAEL	: 200 mg/kg
Application Route	: Oral
Exposure time	: 2 year
Method	: OECD Test Guideline 453
GLP	: yes

Species	: Rat, female
LOAEL	: 647 mg/kg
Application Route	: Oral
Exposure time	: 2 year
Method	: OECD Test Guideline 453
GLP	: yes

Aspiration toxicity

No data available

Further information

Product:

Remarks : No data is available on the product itself.

SECTION 12: Ecological information

12.1 Toxicity

Product:

Toxicity to microorganisms : EC50 : 4,000 mg/l
Method: OECD 209

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

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propan-2-ol:

Toxicity to fish	: LC50 (Pimephales promelas (fathead minnow)): 9,640 mg/l Exposure time: 96 h
Toxicity to daphnia and other aquatic invertebrates	: EC50 (Daphnia magna (Water flea)): 10,000 mg/l Exposure time: 48 h
Toxicity to algae/aquatic plants	: EC50 (Desmodesmus subspicatus (green algae)): > 100 mg/l Exposure time: 72 h Test Type: static test EC50 (green algae): 1,800 mg/l Exposure time: 7 d

2-phenylphenol (ISO):

Toxicity to fish	: LC50 (Danio rerio (zebra fish)): 4.5 mg/l Exposure time: 96 h
Toxicity to daphnia and other aquatic invertebrates	: EC50 (Daphnia magna): 2.7 mg/l Exposure time: 48 h
Toxicity to algae/aquatic plants	: EC50 (Pseudokirchneriella subcapitata (green algae)): 3.57 mg/l Exposure time: 72 h Method: OECD Test Guideline 201 NOEC (Pseudokirchneriella subcapitata (green algae)): 0.468 mg/l Exposure time: 72 h Method: OECD Test Guideline 201
M-Factor (Acute aquatic toxicity)	: 1
Toxicity to fish (Chronic toxicity)	: NOEC: 0.036 mg/l Exposure time: 21 d Species: Pimephales promelas (fathead minnow)
Toxicity to daphnia and other aquatic invertebrates (Chronic toxicity)	: NOEC: 0.009 mg/l Exposure time: 21 d Species: Daphnia magna (Water flea) Method: OECD Test Guideline 211
M-Factor (Chronic aquatic toxicity)	: 1

12.2 Persistence and degradability**Product:**

Biodegradability	: Result: Readily biodegradable. Method: OECD 301D / EEC 84/449 C6
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Components:**ethanol:**

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

propan-2-ol:

Biodegradability : Result: Readily biodegradable.

2-phenylphenol (ISO):

Biodegradability : Result: Readily biodegradable.
Biodegradation: > 70 %
Exposure time: 28 d
Method: OECD 301B/ ISO 9439/ EEC 84/449 C5

12.3 Bioaccumulative potential**Components:****ethanol:**

Bioaccumulation : Remarks: Bioaccumulation is unlikely.
Partition coefficient: n-octanol/water : log Pow: -0.14
Method: Calculated value

propan-2-ol:

Bioaccumulation : Remarks: No bioaccumulation is to be expected (log Pow <= 4).
Partition coefficient: n-octanol/water : log Pow: 0.05 (20 °C)
Method: OECD Test Guideline 107

2-phenylphenol (ISO):

Bioaccumulation : Bioconcentration factor (BCF): 22
Remarks: Bioaccumulation is unlikely.
Partition coefficient: n-octanol/water : log Pow: 3.18
Method: OECD Test Guideline 107

12.4 Mobility in soil**Components:****ethanol:**

Mobility : Remarks: No data available

propan-2-ol:

Mobility : Remarks: Mobile in soils

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II

2-phenylphenol (ISO):

Mobility : Remarks: No data available

Distribution among environmental compartments : log K_{oc}: 2.4 - 2.6

12.5 Results of PBT and vPvB assessment

Product:

Assessment : This substance/mixture contains no components considered to be either persistent, bioaccumulative and toxic (PBT), or very persistent and very bioaccumulative (vPvB) at levels of 0.1% or higher..

Components:

ethanol:

Assessment : This substance is not considered to be persistent, bioaccumulating and toxic (PBT).. This substance is not considered to be very persistent and very bioaccumulating (vPvB)..

12.6 Other adverse effects

Product:

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

SECTION 13: Disposal considerations

13.1 Waste treatment methods

Product : Dispose of the product according to the defined EWC (European Waste Code) No.

Contaminated packaging : Take empty packaging to the recycling plant.

Waste key for the unused product : EWC 070604

Waste key for the unused product(Group) : Waste material of HZVA from fats, lubricants, soaps, detergents, disinfectants and personal protection products.

SECTION 14: Transport information

14.1 UN number

ADR : UN 1987

IMDG : UN 1987

IATA : UN 1987

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ADR	: ALCOHOLS, N.O.S. (propan-2-ol, ethanol)
IMDG	: ALCOHOLS, N.O.S. (propan-2-ol, ethanol)
IATA	: Alcohols, n.o.s. (propan-2-ol, ethanol)

14.3 Transport hazard class(es)

ADR	: 3
IMDG	: 3
IATA	: 3

14.4 Packing group

ADR	
Packing group	: II
Classification Code	: F1
Hazard Identification Number	: 33
Labels	: 3
Tunnel restriction code	: (D/E)
IMDG	
Packing group	: II
Labels	: 3
EmS Code	: F-E, S-D
IATA (Cargo)	
Packing instruction (cargo aircraft)	: 364
Packing instruction (LQ)	: Y341
Packing group	: II
Labels	: Flammable liquid
IATA (Passenger)	
Packing instruction (passenger aircraft)	: 353
Packing instruction (LQ)	: Y341
Packing group	: II
Labels	: Flammable liquid

14.5 Environmental hazards

ADR	
Environmentally hazardous	: no
IMDG	
Marine pollutant	: no

14.6 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.
For personal protection see section 8.

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14.7 Transport in bulk according to Annex II of Marpol 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

REACH - Restrictions on the manufacture, placing on the market and use of certain dangerous substances, preparations and articles (Annex XVII)	:	Conditions of restriction for the following entries should be considered: Number on list 3
REACH - Candidate List of Substances of Very High Concern for Authorisation (Article 59).	:	Not applicable
REACH - List of substances subject to authorisation (Annex XIV)	:	Not applicable
Regulation (EC) No 1005/2009 on substances that deplete the ozone layer	:	Not applicable
Regulation (EU) 2019/1021 on persistent organic pollutants (recast)	:	Not applicable
Regulation (EC) No 649/2012 of the European Parliament and the Council concerning the export and import of dangerous chemicals	:	Not applicable

Seveso III: Directive 2012/18/EU of the European Parliament and of the Council on the control of major-accident hazards involving dangerous substances.
P5c FLAMMABLE LIQUIDS

Volatile organic compounds : Directive 2010/75/EU of 24 November 2010 on industrial emissions (integrated pollution prevention and control)
Volatile organic compounds (VOC) content: 83.52 %

Other regulations:

Take note of Directive 98/24/EC on the protection of the health and safety of workers from the risks related to chemical agents at work.

Take note of Directive 2000/39/EC establishing a first list of indicative occupational exposure limit values.

Regulation (EU) No 528/2012 of the European Parliament and of the Council of 22 May 2012 concerning the making available on the market and use of biocidal products

Take note of Directive 94/33/EC on the protection of young people at work or stricter national regulations, where applicable.

15.2 Chemical safety assessment

Exempt

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03.06Revision Date:
14.08.2020Date of last issue: 11.06.2019
Date of first issue: 29.04.2009**SECTION 16: Other information****Full text of H-Statements**

H225	: Highly flammable liquid and vapour.
H315	: Causes skin irritation.
H319	: Causes serious eye irritation.
H335	: May cause respiratory irritation.
H336	: May cause drowsiness or dizziness.
H400	: Very toxic to aquatic life.
H410	: Very toxic to aquatic life with long lasting effects.

Full text of other abbreviations

Aquatic Acute	: Short-term (acute) aquatic hazard
Aquatic Chronic	: Long-term (chronic) aquatic hazard
Eye Irrit.	: Eye irritation
Flam. Liq.	: Flammable liquids
Skin Irrit.	: Skin irritation
STOT SE	: Specific target organ toxicity - single exposure
GB EH40	: UK. EH40 WEL - Workplace Exposure Limits
GB EH40 / TWA	: Long-term exposure limit (8-hour TWA reference period)
GB EH40 / STEL	: Short-term exposure limit (15-minute reference period)

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; AICS - Australian Inventory of Chemical Substances; 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 Organization 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; TRGS - Technical Rule for Hazardous Substances; TSCA - Toxic Substances Control Act (United States); UN - United Nations; vPvB - Very Persistent and Very Bioaccumulative

SAFETY DATA SHEET

according to Regulation (EC) No. 1907/2006



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Further information

Classification of the mixture:

Flam. Liq. 2

H225

Eye Irrit. 2

H319

Classification procedure:

Based on product data or assessment

Calculation method

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

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.