

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

Product form	: Mixture
Product name	: Densept Gel 70% - 14624N - Denteck B.V.
UFI	: GJ40-K0T0-200C-RUAU
Product code	: P50067
Other means of identification	: DU: Densept Gel 70% - N86813 BE: Densept Gel 70% - BE-REG-00301

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

Main use category	: Professional use
Use of the substance/mixture	: Biocide: Hand disinfection

1.3. Details of the supplier of the safety data sheet

Denteck B.V.
Heliumstraat 8
NL 2718 SL Zoetermeer
T 079-3617573
info@denteck.nl, www.denteck.nl

1.4. Emergency telephone number

No additional information available

SECTION 2: Hazards identification**2.1. Classification of the substance or mixture****Classification according to Regulation (EC) No. 1272/2008 [CLP]**

Flammable liquids, Category 2 H225
Full text of H- and EUH-statements: see section 16

Adverse physicochemical, human health and environmental effects

Highly flammable liquid and vapour. May cause drowsiness or dizziness. Causes serious eye irritation.

2.2. Label elements**Labelling according to Regulation (EC) No. 1272/2008 [CLP]**

Hazard pictograms (CLP)



GHS02

Signal word (CLP)

: Danger

Hazard statements (CLP)

: H225 - Highly flammable liquid and vapour.

Precautionary statements (CLP)

: P210 - Keep away from heat, hot surfaces, sparks, open flames and other ignition sources.
No smoking.
P233 - Keep container tightly closed.
P305+P351+P338 - IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.
P403+P235 - Store in a well-ventilated place. Keep cool.
P501 - Dispose of contents/container to hazardous or special waste collection point, in accordance with local, regional, national and/or international regulation.

Extra phrases

: For professional users only.

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2.3. Other hazards

Contains no PBT and/or vPvB substances $\geq 0.1\%$ assessed in accordance with REACH Annex XIII

The mixture does not contain substance(s) included in the list established in accordance with Article 59(1) of REACH for having endocrine disrupting properties, or substance(s) are not identified as having endocrine disrupting properties in accordance with the criteria set out in Commission Delegated Regulation (EU) 2017/2100 or Commission Regulation (EU) 2018/605 at a concentration equal to or greater than 0,1 %

SECTION 3: Composition/information on ingredients

3.2. Mixtures

Name	Product identifier	Conc. (% w/w)	Classification according to Regulation (EC) No. 1272/2008 [CLP]
Ethanol >70,0%-vol. till 99,9%-vol. substance with national workplace exposure limit(s) (NL)	CAS-No.: 64-17-5 EC-No.: 200-578-6 EC Index-No.: 603-002-00-5 REACH-no: 01-2119457610-43	50 – 100	Flam. Liq. 2, H225 Eye Irrit. 2, H319
Isopropylalcohol 99,9% substance with national workplace exposure limit(s) (DE, DK, FI, FR)	CAS-No.: 67-63-0 EC-No.: 200-661-7 EC Index-No.: 603-117-00-0 REACH-no: 01-2119457558-25	2.5 – 10	Flam. Liq. 2, H225 Eye Irrit. 2, H319 STOT SE 3, H336
Glycerine 99,5% substance with national workplace exposure limit(s) (FI, FR, CH)	CAS-No.: 56-81-5 EC-No.: 200-289-5	0 – 2	Not classified
2,2'-iminodiethanol; diethanolamine substance with national workplace exposure limit(s) (DK, FR)	CAS-No.: 111-42-2 EC-No.: 203-868-0 EC Index-No.: 603-071-00-1 REACH-no: 01-2119488930-28	0 – 1	Acute Tox. 4 (Oral), H302 (ATE=500 mg/kg bodyweight) Skin Irrit. 2, H315 Eye Dam. 1, H318 Repr. 2, H361fd STOT RE 2, H373
2,2',2''-nitrilotriethanol substance with national workplace exposure limit(s) (DK, FI)	CAS-No.: 102-71-6 EC-No.: 203-049-8 REACH-no: 01-2119486482-31	0 – 1	Not classified

Full text of H- and EUH-statements: see section 16

SECTION 4: First aid measures

4.1. Description of first aid measures

First-aid measures general	: Call a poison center or a doctor if you feel unwell.
First-aid measures after inhalation	: Remove person to fresh air and keep comfortable for breathing.
First-aid measures after skin contact	: Overall, the product is not irritating to the skin.
First-aid measures after eye contact	: Immediately rinse with water for a prolonged period while holding the eyelids wide open. Remove contact lenses, if present and easy to do. Continue rinsing. If eye irritation persists: Get medical advice/attention.
First-aid measures after ingestion	: Call a poison center or a doctor if you feel unwell.
Self protection of the first-aiders	: First aid workers will be equipped with suitable personal protective equipment.

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

Symptoms/effects	: May cause drowsiness or dizziness.
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Symptoms/effects after inhalation	: Although no appropriate human or animal health effects data are known to exist, this material is expected to be an inhalation hazard.
Symptoms/effects after skin contact	: None under normal conditions.
Symptoms/effects after eye contact	: Eye irritation.
Symptoms/effects after ingestion	: None under normal conditions.

4.3. Indication of any immediate medical attention and special treatment needed

Treat symptomatically.

SECTION 5: Firefighting measures

5.1. Extinguishing media

Suitable extinguishing media	: Water spray. extinguishing powder. Carbon dioxide. Alcohol-resistant foam.
Unsuitable extinguishing media	: Do not use a heavy water stream.

5.2. Special hazards arising from the substance or mixture

Fire hazard	: Highly flammable liquid and vapour.
Explosion hazard	: No direct explosion hazard.
Hazardous decomposition products in case of fire	: Toxic fumes may be released.

5.3. Advice for firefighters

Firefighting instructions	: Fight fire from safe distance and protected location. Do not enter fire area without proper protective equipment, including respiratory protection.
Protection during firefighting	: Do not attempt to take action without suitable protective equipment. Self-contained breathing apparatus. Complete protective clothing.

SECTION 6: Accidental release measures

6.1. Personal precautions, protective equipment and emergency procedures

General measures	: Stop leak if safe to do so. Notify authorities if product enters sewers or public waters. Absorb spillage to prevent material damage.
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For non-emergency personnel

Protective equipment	: Wear recommended personal protective equipment. Keep unprotected persons away.
Emergency procedures	: Ventilate spillage area. No open flames, no sparks, and no smoking. Avoid breathing vapours/spray. . Avoid contact with skin and eyes.

For emergency responders

Protective equipment	: Do not attempt to take action without suitable protective equipment. For further information refer to section 8: "Exposure controls/personal protection".
Emergency procedures	: Evacuate unnecessary personnel. Stop leak if safe to do so.

6.2. Environmental precautions

Avoid release to the environment. Dilute with water. Do not allow to enter into surface water or drains.

6.3. Methods and material for containment and cleaning up

For containment	: Absorb with liquid-binding material (e.g. sand, diatomaceous earth, acid- or universal binding agents). Contain any spills with dikes or absorbents to prevent migration and entry into sewers or streams. Stop leak without risks if possible. Ventilate spillage area.
Methods for cleaning up	: Take up liquid spill into absorbent material. Notify authorities if product enters sewers or public waters.
Other information	: Dispose of materials or solid residues at an authorized site.

6.4. Reference to other sections

For further information refer to section 13.

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SECTION 7: Handling and storage

7.1. Precautions for safe handling

Additional hazards when processed	: Not expected to present a significant hazard under anticipated conditions of normal use.
Precautions for safe handling	: Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking. Ground/bond container and receiving equipment. Use only non-sparking tools. Take precautionary measures against static discharge. Flammable vapours may accumulate in the container. Use explosion-proof equipment. Wear personal protective equipment. Use only outdoors or in a well-ventilated area. Avoid breathing vapours/spray. . Avoid contact with skin and eyes.
Hygiene measures	: Do not eat, drink or smoke when using this product. Always wash hands after handling the product.

7.2. Conditions for safe storage, including any incompatibilities

Technical measures	: Ground/bond container and receiving equipment.
Storage conditions	: Store in a well-ventilated place. Keep cool. Keep container tightly closed. Store locked up. Keep tanks impermeably sealed.
Packaging materials	: Always store product in container of same material as original container.

Germany

Storage class (LGK, TRGS 510)	: LGK 3 - Flammable liquids
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7.3. Specific end use(s)

No additional information available

SECTION 8: Exposure controls/personal protection

8.1. Control parameters

National occupational exposure and biological limit values

Ethanol >70,0%-vol. till 99,9%-vol. (64-17-5)

Netherlands - Occupational Exposure Limits

Local name	Ethanol
TGG-8u (OEL TWA)	260 mg/m ³ 137 ppm
TGG-15min (OEL STEL)	1900 mg/m ³ 1000 ppm
Remark	Kankerverwekkende stof. H (Huidopname) Stoffen die relatief gemakkelijk door de huid kunnen worden opgenomen, hetgeen een substantiële bijdrage kan betekenen aan de totale inwendige blootstelling, hebben in de lijst een H-aanduiding. Bij deze stoffen moeten naast maatregelen tegen inademing ook adequate maatregelen ter voorkoming van huidcontact worden genomen.
Regulatory reference	Arbeidsomstandighedenregeling 2024

Glycerine 99,5% (56-81-5)

Finland - Occupational Exposure Limits

HTP (OEL TWA)	20 mg/m ³
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France - Occupational Exposure Limits

VLEP 8h (OEL TWA)	10 mg/m ³
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2,2'-iminodiethanol; diethanolamine (111-42-2)

Denmark - Occupational Exposure Limits

8-timers grænseværdi (OEL TWA)	2 mg/m ³
	0.46 ppm
Kortidsgrænseværdi (OEL STEL)*	4 mg/m ³
	0.92 ppm

France - Occupational Exposure Limits

VLEP 8h (OEL TWA)	15 mg/m ³
	3 ppm

*STEL value is calculated based on the TWA limit

2,2',2''-nitilotriethanol (102-71-6)

Denmark - Occupational Exposure Limits

8-timers grænseværdi (OEL TWA)	3.1 mg/m ³
	0.5 ppm
Kortidsgrænseværdi (OEL STEL)*	6.2 mg/m ³
	1.0 ppm

Finland - Occupational Exposure Limits

HTP (OEL TWA)	0 mg/m ³
	5 ppm

*STEL value is calculated based on the TWA limit

Isopropylalcohol 99,9% (67-63-0)

Denmark - Occupational Exposure Limits

8-timers grænseværdi (OEL TWA)	490 mg/m ³
	200 ppm
Kortidsgrænseværdi (OEL STEL)*	980 mg/m ³
	400 ppm

Finland - Occupational Exposure Limits

HTP (OEL TWA)	500 mg/m ³
	200 ppm
HTP (OEL STEL)	620 mg/m ³
	250 ppm

France - Occupational Exposure Limits

VLEP CT (OEL STEL)	980 mg/m ³
	400 ppm

Germany - Occupational Exposure Limits (TRGS 900)

AGW (OEL TWA)	4500 mg/m ³
	200 ppm

*STEL value is calculated based on the TWA limit

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8.2. Exposure controls

Appropriate engineering controls

Appropriate engineering controls:

Ensure good ventilation of the work station. Wash hands before breaks and after work. Remove contaminated clothing. Do not breathe vapours. Do not breathe spray.

Personal protection equipment

Personal protective equipment:

Wear recommended personal protective equipment.

Personal protective equipment symbol(s):



Eye and face protection

Eye protection:

Safety glasses

Skin protection

Skin and body protection:

Wear protective gloves

Hand protection:

Hand protection for long-term professional use

Hand protection					
Type	Material	Permeation	Thickness (mm)	Penetration	Standard
	Nitrile rubber (NBR)	4 (> 120 minutes)	0.4		
	Butyl rubber	6 (> 480 minutes)	0.7		

Respiratory protection

Respiratory protection:

No personal respiratory protection required in normal use. In case of insufficient ventilation, exceeding workplace limits, excessive severe odour nuisance or if aerosols, mist and smoke are released, use a respirator that is independent of the ambient air or respirator with filter type A or corresponding combination filter. Do not breathe dusts or mists.

Respiratory protection			
Device	Filter type	Condition	Standard
Self-contained breathing apparatus (SCBA)	A-P2, ABEK-P2, Type A - High-boiling (>65 °C) organic compounds		EN 14387

Environmental exposure controls

Environmental exposure controls:

Avoid release to the environment.

SECTION 9: Physical and chemical properties

9.1. Information on basic physical and chemical properties

Physical state	: Liquid
Colour	: Colourless. clear.
Appearance	: Hygroscopic. Volatile liquid.
Odour	: characteristic. alcohol odour.
Odour threshold	: Not available
Melting point	: Not applicable

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Freezing point	: Not available
Boiling point	: 78 °C
Flammability	: Not available
Lower explosion limit	: 3.5 Vol-%
Upper explosion limit	: 15 Vol-%
Flash point	: ≈ 22 °C
Auto-ignition temperature	: The product does not ignite by itself.
Decomposition temperature	: Not available
pH	: 5 – 9
Viscosity, kinematic	: Not available
Solubility	: completely miscible.
Partition coefficient n-octanol/water (Log Kow)	: Not available
Vapour pressure	: 59 hPa (20°C)
Vapour pressure at 50°C	: Not available
Density	: Not available
Relative density	: Not available
Relative vapour density at 20°C	: Not available
Particle characteristics	: Not applicable

9.2. Other information

No additional information available

SECTION 10: Stability and reactivity

10.1. Reactivity

Highly flammable liquid and vapour.

10.2. Chemical stability

Stable under normal conditions.

10.3. Possibility of hazardous reactions

No dangerous reactions known under normal conditions of use.

10.4. Conditions to avoid

Avoid contact with hot surfaces. Heat. No flames, no sparks. Eliminate all sources of ignition.

10.5. Incompatible materials

No additional information available

10.6. Hazardous decomposition products

Under normal conditions of storage and use, hazardous decomposition products should not be produced.

SECTION 11: Toxicological information

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

Acute toxicity (oral)	: Not classified
Acute toxicity (dermal)	: Not classified
Acute toxicity (inhalation)	: Not classified

Ethanol >70,0%-vol. till 99,9%-vol. (64-17-5)

LD50 oral rat	6200 mg/kg
LC50 Inhalation - Rat	124.7 mg/l/4h

Glycerine 99,5% (56-81-5)

LD50 oral rat	11500 mg/kg
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Glycerine 99,5% (56-81-5)	
LD50 dermal	45 ml/kg (guinea pigs)
2,2'-iminodiethanol; diethanolamine (111-42-2)	
LD50 oral rat	> 1600 mg/kg
LD50 dermal rabbit	8200 mg/kg
2,2',2''-nitrilotriethanol (102-71-6)	
LD50 oral rat	6400 mg/kg bodyweight (OECD Guideline 401)
Isopropylalcohol 99,9%	
LD50 oral rat	5840 mg/kg
LD50 dermal rabbit	13900 mg/kg
Skin corrosion/irritation	: Not classified pH: 5 – 9
Ethanol >70,0%-vol. till 99,9%-vol. (64-17-5)	
pH	7 (20 °C)
Glycerine 99,5% (56-81-5)	
pH	7 – 7.5 (20 °C, concentration: 100g/l)
2,2'-iminodiethanol; diethanolamine (111-42-2)	
pH	≈ 11 (10% solution)
Serious eye damage/irritation	: Not classified pH: 5 – 9
Ethanol >70,0%-vol. till 99,9%-vol. (64-17-5)	
pH	7 (20 °C)
Glycerine 99,5% (56-81-5)	
pH	7 – 7.5 (20 °C, concentration: 100g/l)
2,2'-iminodiethanol; diethanolamine (111-42-2)	
pH	≈ 11 (10% solution)
Respiratory or skin sensitisation	: Not classified
Germ cell mutagenicity	: Not classified
Carcinogenicity	: Not classified
2,2',2''-nitrilotriethanol (102-71-6)	
NOAEL (chronic, oral, animal/male, 2 years)	63 mg/kg bodyweight (OECD Guideline 451)
Isopropylalcohol 99,9%	
NOAEL (chronic, oral, animal/male, 2 years)	400 mg/kg bodyweight (Maternal, Rat, Sprague-Dawley)(Oral)(Guideline test OECD 414)
NOAEL (chronic, oral, animal/female, 2 years)	400 mg/kg bodyweight (Development, Rat, Sprague-Dawley)(Oral)(Guideline test OECD 414)
Reproductive toxicity	: Not classified
2,2',2''-nitrilotriethanol (102-71-6)	
NOAEL (animal/male, F0/P)	1000 mg/kg bodyweight (OECD Guideline 416)
NOAEL (animal/female, F0/P)	300 mg/kg bodyweight (OECD Guideline 416)

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Isopropylalcohol 99,9%	
NOAEL (animal/male, F0/P)	853 mg/kg bodyweight (One-generation reproduction toxicity study; Rat, wistar, male and female)(Oral)(Guideline test OECD 415)
NOAEL (animal/female, F0/P)	500 mg/kg bodyweight (Two-generation reproductive toxicity study; Rat, Sprague-Dawley, male and female)(Oral)(Guideline test OECD 416)

STOT-single exposure : Not classified

Isopropylalcohol 99,9%	
STOT-single exposure	May cause drowsiness or dizziness.

STOT-repeated exposure : Not classified

2,2',2"-nitrilotriethanol (102-71-6)	
NOAEL (oral, rat, 90 days)	1000 mg/kg bodyweight (OECD Guideline 408)

Aspiration hazard : Not classified

Glycerine 99,5% (56-81-5)	
Viscosity, kinematic	1120.635 mm ² /s

2,2'-iminodiethanol; diethanolamine (111-42-2)	
Viscosity, kinematic	≈ 345454.545 mm ² /s

Isopropylalcohol 99,9%	
Viscosity, kinematic	2.66 mm ² /s (25 °C, Method: ASTM D 7042)

11.2. Information on other hazards

No additional information available

SECTION 12: Ecological information

12.1. Toxicity

Ecology - general : The product is not considered harmful to aquatic organisms nor to cause long-term adverse effects in the environment.

Hazardous to the aquatic environment, short-term (acute) : Not classified

Hazardous to the aquatic environment, long-term (chronic) : Not classified

Ethanol >70,0%-vol. till 99,9%-vol. (64-17-5)	
LC50 - Fish [1]	8.14 mg/l (Leuciscus idus (golden bindweed), 48h)
EC50 - Crustacea [1]	9268 – 14221 mg/l (Daphnia magna, 48h)
EC50 - Other aquatic organisms [1]	6.5 mg/l (Pseudomonas putida, 16h)

Glycerine 99,5% (56-81-5)	
LC50 - Fish [1]	54000 mg/l (Oncorhynchus mykiss)
LC50 - Other aquatic organisms [1]	10000 mg/l (Daphnia magna)
EC50 - Crustacea [1]	10000 mg/l (Pseudomonas putida; 16 h)

2,2'-iminodiethanol; diethanolamine (111-42-2)	
LC50 - Fish [1]	1460 mg/l (Pimephales promelas)
LC50 - Fish [2]	460 mg/l (Salmo gairdneri, Oncorhynchus mykiss)
EC50 - Crustacea [1]	55 mg/l (Daphnia Magna)

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2,2'-iminodiethanol; diethanolamine (111-42-2)	
EC50 - Crustacea [2]	30.1 mg/l (Ceriodaphnia Dubia)
EC50 - Other aquatic organisms [1]	> 1000 mg/l (activated sludge, 3h)
EC50 72h - Algae [1]	2.2 mg/l (Pseudokirchneriella subcapitata, 96h)
EC50 72h - Algae [2]	19 mg/l (Pseudokirchneriella subcapitata, 72h)
NOEC chronic crustacea	0.78 mg/l Daphnia (21 days)
2,2',2''-nitrilotriethanol (102-71-6)	
LC50 - Fish [1]	11800 mg/l (Pimephales promelas)
EC50 - Crustacea [1]	609.88 mg/l (Ceriodaphnia dubia)
EC50 72h - Algae [1]	512 mg/l (Desmodesmus subspicatus)
EC50 72h - Algae [2]	216 mg/l (Desmodesmus subspicatus)
NOEC chronic fish	> 1 mg/l
Isopropylalcohol 99,9%	
LC50 - Fish [1]	9640 mg/l (Pimephales promelas)
EC50 - Crustacea [1]	9714 mg/l (Daphnia magna; 24 h) (static test; OECD Test Guideline 202)
EC50 - Other aquatic organisms [1]	> 100 mg/l (Bacteria)
EC50 72h - Algae [1]	> 100 mg/l (Scenedesmus subspicatus; 72 h)
LOEC (acute)	1000 mg/l (Algae; 8 d)
12.2. Persistence and degradability	
Densept Gel 70% - 14624N - Denteck B.V.	
Persistence and degradability	Not rapidly degradable
Ethanol >70,0%-vol. till 99,9%-vol. (64-17-5)	
Persistence and degradability	Rapidly degradable
Biodegradation	94 % (OECD 301E test guideline)
Glycerine 99,5% (56-81-5)	
Persistence and degradability	Rapidly degradable
Biodegradation	60 % 14d
2,2'-iminodiethanol; diethanolamine (111-42-2)	
Persistence and degradability	Rapidly degradable
Biochemical oxygen demand (BOD)	0.885 g O ₂ /g substance
Chemical oxygen demand (COD)	1.352 g O ₂ /g substance
Biodegradation	93 % (OECD 301F method)
2,2',2''-nitrilotriethanol (102-71-6)	
Persistence and degradability	Not rapidly degradable
Isopropylalcohol 99,9%	
Persistence and degradability	Rapidly degradable
Biodegradation	53 % (aerobic; Domestic sewage; to related: O ₂ consumption; Exposure time: 5 d)(Directive 67/548/EEC, Annex V, C.5.)

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12.3. Bioaccumulative potential

Ethanol >70,0%-vol. till 99,9%-vol. (64-17-5)

Partition coefficient n-octanol/water (Log Pow)	-0.31
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Glycerine 99,5% (56-81-5)

Partition coefficient n-octanol/water (Log Pow)	-1.76
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2,2'-iminodiethanol; diethanolamine (111-42-2)

Partition coefficient n-octanol/water (Log Pow)	-2.46 (25°C)
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Partition coefficient n-octanol/water (Log Kow)	-2.18
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Isopropylalcohol 99,9%

Partition coefficient n-octanol/water (Log Pow)	0.05
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Bioaccumulative potential	Bioaccumulation unlikely.
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12.4. Mobility in soil

2,2'-iminodiethanol; diethanolamine (111-42-2)

Ecology - soil	Adsorption to solid soil phase is not expected. Soluble in water.
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Isopropylalcohol 99,9%

Mobility in soil	Mobile in soil
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Ecology - soil	soluble in water.
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12.5. Results of PBT and vPvB assessment

No additional information available

12.6. Endocrine disrupting properties

No additional information available

12.7. Other adverse effects

No additional information available

SECTION 13: Disposal considerations

13.1. Waste treatment methods

Regional waste regulation	: Disposal must be done according to official regulations.
Waste treatment methods	: Dispose of contents/container in accordance with licensed collector's sorting instructions.
Sewage disposal recommendations	: Disposal must be done according to official regulations.
Product/Packaging disposal recommendations	: Disposal must be done according to official regulations.
Additional information	: Flammable vapours may accumulate in the container. Do not re-use empty containers.

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HP Code

: HP3 - "Flammable:"
– flammable liquid waste: liquid waste having a flash point below 60 °C or waste gas oil, diesel and light heating oils having a flash point > 55 °C and ≤ 75 °C;
– flammable pyrophoric liquid and solid waste: solid or liquid waste which, even in small quantities, is liable to ignite within five minutes after coming into contact with air;
– flammable solid waste: solid waste which is readily combustible or may cause or contribute to fire through friction;
– flammable gaseous waste: gaseous waste which is flammable in air at 20 °C and a standard pressure of 101.3 kPa;
– water reactive waste: waste which, in contact with water, emits flammable gases in dangerous quantities;
– other flammable waste: flammable aerosols, flammable self-heating waste, flammable organic peroxides and flammable self-reactive waste.
HP4 - "Irritant – skin irritation and eye damage:" waste which on application can cause skin irritation or damage to the eye.

SECTION 14: Transport information

In accordance with ADR / IMDG / IATA / ADN / RID

ADR	IMDG	IATA	ADN	RID
14.1. UN number or ID number				
UN 1987	UN 1987	UN 1987	Not regulated	Not regulated
14.2. UN proper shipping name				
ALCOHOLS, N.O.S.	ALCOHOLS, N.O.S.	Alcohols, n.o.s.	Not regulated	Not regulated
Transport document description				
UN 1987 ALCOHOLS, N.O.S., 3, II, (D/E)	UN 1987 ALCOHOLS, N.O.S., 3, II	UN 1987 Alcohols, n.o.s., 3, II	Not regulated	Not regulated
14.3. Transport hazard class(es)				
3	3	3	Not regulated	Not regulated
			Not regulated	Not regulated
14.4. Packing group				
II	II	II	Not regulated	Not regulated
14.5. Environmental hazards				
Dangerous for the environment: No	Dangerous for the environment: No Marine pollutant: No EmS-No. (Fire): F-E EmS-No. (Spillage): S-D	Dangerous for the environment: No	Not regulated	Not regulated
No supplementary information available				

14.6. Special precautions for user

Overland transport

Classification code (ADR) : F1
Special provisions (ADR) : 274, 601, 640D
Limited quantities (ADR) : 1I
Excepted quantities (ADR) : E2
Packing instructions (ADR) : P001, IBC02, R001
Mixed packing provisions (ADR) : MP19
Portable tank and bulk container instructions (ADR) : T7

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Portable tank and bulk container special provisions (ADR) : TP1, TP8, TP28

Tank code (ADR) : LGBF

Vehicle for tank carriage : FL

Transport category (ADR) : 2

Special provisions for carriage - Operation (ADR) : S2, S20

Hazard identification number (Kemler No.) : 33

Orange plates :



Tunnel restriction code (ADR) : D/E

Transport by sea

Special provisions (IMDG) : 274

Limited quantities (IMDG) : 1 L

Excepted quantities (IMDG) : E2

Packing instructions (IMDG) : P001

IBC packing instructions (IMDG) : IBC02

Tank instructions (IMDG) : T7

Tank special provisions (IMDG) : TP1, TP8, TP28

Stowage category (IMDG) : B

Air transport

PCA Excepted quantities (IATA) : E2

PCA Limited quantities (IATA) : Y341

PCA limited quantity max net quantity (IATA) : 1L

PCA packing instructions (IATA) : 353

PCA max net quantity (IATA) : 5L

CAO packing instructions (IATA) : 364

CAO max net quantity (IATA) : 60L

Special provisions (IATA) : A3, A180

ERG code (IATA) : 3L

Inland waterway transport

Not regulated

Rail transport

Not regulated

14.7. Maritime transport in bulk according to IMO instruments

Not applicable

SECTION 15: Regulatory information

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

EU-Regulations

REACH Annex XVII (Restriction List)

Contains no substance(s) listed on REACH Annex XVII (Restriction Conditions)

REACH Annex XIV (Authorisation List)

Contains no substance(s) listed on REACH Annex XIV (Authorisation List)

REACH Candidate List (SVHC)

Contains no substance(s) listed on the REACH Candidate List

PIC Regulation (Prior Informed Consent)

Contains no substance(s) listed on the PIC list (Regulation EU 649/2012 concerning the export and import of hazardous chemicals)

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POP Regulation (Persistent Organic Pollutants)

Contains no substance(s) listed on the POP list (Regulation EU 2019/1021 on persistent organic pollutants)

Ozone Regulation (2024/590)

Not listed on the Ozone Depletion list (Regulation EU 2024/590)

Contains no substance(s) listed on the Ozone Depletion list (Regulation EU 2024/590 on substances that deplete the ozone layer)

Council Regulation (EC) for the control of dual-use items

Contains substance subject to the COUNCIL REGULATION (EC) for the control of dual-use items: Triethanolamine (102-71-6).

Explosives Precursors Regulation (EU 2019/1148)

Contains no substance(s) listed on the Explosives Precursors list (Regulation EU 2019/1148 on the marketing and use of explosives precursors)

Drug Precursors Regulation (EC 273/2004)

Contains no substance(s) listed on the Drug Precursors list (Regulation EC 273/2004 on the manufacture and the placing on market of certain substances used in the illicit manufacture of narcotic drugs and psychotropic substances)

National regulations

Denmark

Classification remarks : Emergency management guidelines for the storage of flammable liquids must be followed
Danish National Regulations : Young people below the age of 18 years are not allowed to use the product
Pregnant/breastfeeding women working with the product must not be in direct contact with it.
If an employee is pregnant or breastfeeding and the person in question uses or is exposed to this product at work, the employer must always carry out a risk assessment of the work. The assessment must both deal with the dangerousness of the impact and its strength and duration. The employer's decision that a pregnant or lactating woman can perform a specific work task must therefore be made in the context of her specific working conditions. See also WEA-Guideline A.1.8-7 on the working environment of pregnant and breastfeeding workers. Listed or contains substance(s) on the Denmark - Indicative list of organic solvents present in Annex 3.4.1 of the WEA Guidance C.0.1-1: Ethanol (64-17-5), Diethanolamine (1996) (111-42-2), Triethanolamine (1994) (102-71-6), Isopropyl alcohol (2005) (67-63-0)

France

Occupational diseases	
Code	Description
RG 49	Skin disorders caused by aliphatic, alicyclic amines or ethanolamines
RG 49 BIS	Respiratory disorders caused by aliphatic amines, ethanolamines or isophoronediamine
RG 84	Conditions caused by liquid organic solvents for professional use: saturated or unsaturated aliphatic or cyclic liquid hydrocarbons and mixtures thereof; liquid halogenated hydrocarbons; nitrated derivatives of aliphatic hydrocarbons; alcohols; glycols, glycol ethers; ketones; aldehydes; aliphatic and cyclic ethers, including tetrahydrofuran; esters; dimethylformamide and dimethylacetamide; acetonitrile and propionitrile; pyridine; dimethylsulfone and dimethylsulfoxide

Germany

Employment restrictions : Observe restrictions according Act on the Protection of Working Mothers (MuSchG).
Observe restrictions according Act on the Protection of Young People in Employment (JArbSchG).
Water hazard class (WGK) : WGK 1, Slightly hazardous to water (Classification according to AwSV, Annex 1).

Netherlands

ABM category : B(2) - toxic for aquatic organisms
SZW-lijst van kankerverwekkende stoffen : Ethanol >70,0%-vol. till 99,9%-vol. is listed
SZW-lijst van mutagene stoffen : None of the components are listed
SZW-lijst van reprotoxische stoffen – Borstvoeding : Ethanol >70,0%-vol. till 99,9%-vol. is listed

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SZW-lijst van reprotoxische stoffen – : Ethanol >70,0%-vol. till 99,9%-vol. is listed

Vruchtbaarheid

SZW-lijst van reprotoxische stoffen – Ontwikkeling : Ethanol >70,0%-vol. till 99,9%-vol. is listed

15.2. Chemical safety assessment

No chemical safety assessment has been carried out

SECTION 16: Other information

Abbreviations and acronyms:

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
ATE	Acute Toxicity Estimate
BCF	Bioconcentration factor
BLV	Biological limit value
BOD	Biochemical oxygen demand (BOD)
COD	Chemical oxygen demand (COD)
DMEL	Derived Minimal Effect level
DNEL	Derived-No Effect Level
EC-No.	European Community number
EC50	Median effective concentration
EN	European Standard
IARC	International Agency for Research on Cancer
IATA	International Air Transport Association
IMDG	International Maritime Dangerous Goods
LC50	Median lethal concentration
LD50	Median lethal dose
LOAEL	Lowest Observed Adverse Effect Level
NOAEC	No-Observed Adverse Effect Concentration
NOAEL	No-Observed Adverse Effect Level
NOEC	No-Observed Effect Concentration
OECD	Organisation for Economic Co-operation and Development
OEL	Occupational Exposure Limit
PBT	Persistent Bioaccumulative Toxic
PNEC	Predicted No-Effect Concentration
RID	Regulations concerning the International Carriage of Dangerous Goods by Rail
SDS	Safety Data Sheet
STP	Sewage treatment plant
ThOD	Theoretical oxygen demand (ThOD)
TLM	Median Tolerance Limit
VOC	Volatile Organic Compounds
CAS-No.	Chemical Abstracts Service number

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Abbreviations and acronyms:

N.O.S.	Not Otherwise Specified
vPvB	Very Persistent and Very Bioaccumulative
ED	Endocrine disruptor

Full text of H- and EUH-statements:

Acute Tox. 4 (Oral)	Acute toxicity (oral), Category 4
Eye Dam. 1	Serious eye damage/eye irritation, Category 1
Eye Irrit. 2	Serious eye damage/eye irritation, Category 2
Flam. Liq. 2	Flammable liquids, Category 2
Repr. 2	Reproductive toxicity, Category 2
Skin Irrit. 2	Skin corrosion/irritation, Category 2
STOT RE 2	Specific target organ toxicity – Repeated exposure, Category 2
STOT SE 3	Specific target organ toxicity – Single exposure, Category 3, Narcosis
H225	Highly flammable liquid and vapour.
H302	Harmful if swallowed.
H315	Causes skin irritation.
H318	Causes serious eye damage.
H319	Causes serious eye irritation.
H336	May cause drowsiness or dizziness.
H361fd	Suspected of damaging fertility. Suspected of damaging the unborn child.
H373	May cause damage to organs through prolonged or repeated exposure.

Classification and procedure used to derive the classification for mixtures according to Regulation (EC) 1272/2008 [CLP]:

Flam. Liq. 2	H225	On basis of test data
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Safety Data Sheet (SDS), EU

This information is based on our current knowledge and is intended to describe the product for the purposes of health, safety and environmental requirements only. It should not therefore be construed as guaranteeing any specific property of the product.