

# DECACHEM DOO, Novi Sad, Serbia

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SAFETY DATA SHEET ACCORDING TO REGULATION (EC) 1907/2006

Product name: **Alkohol 96% denaturisan**    Creation date: **04.07.2025**, Revision: **04.07.2025**, Version: **1.0**

## SECTION 1: IDENTIFICATION OF THE SUBSTANCE/MIXTURE AND OF THE COMPANY/UNDERTAKING

### 1.1 Product identifier

**Product name**

Alkohol 96% denaturisan

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

**Relevant identified uses**

Surface disinfectant.

**Uses advised against**

Do not use for purposes other than those prescribed.

## SECTION 2: HAZARDS IDENTIFICATION

### 2.1 Classification of the substance or mixture

**Classification according to Regulation (EC) No 1272/2008 (CLP)**

Flam. Liq. 2; H225 Highly flammable liquid and vapour.

Eye Irrit. 2; H319 Causes serious eye irritation.

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### 2.2 Label elements

Labelling according to Regulation (EC) No 1272/2008 (CLP)



#### Signal word: DANGER

H225 Highly flammable liquid and vapour.

H319 Causes serious eye irritation.

P102 Keep out of reach of children.

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.

P337 + P313 If eye irritation persists: Get medical advice/attention.

P370 + P378 In case of fire: Use CO<sub>2</sub>, foam or dry powder to extinguish.

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

P501 Dispose of contents/container in accordance with national regulation.

#### Special provisions

In contact with skin: May cause mild irritation. Prolonged contact with the preparation can cause redness, drying of the skin, burning sensation. In contact with eyes: May cause eye irritation. Symptoms include eye redness, stinging. Inhalation: In case of larger vapors, it can cause irritation of the respiratory system. Ingestion: Taking a large amount causes stomach pain, nausea, vomiting.

### 2.3 Other hazards

#### PBT/vPvB

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.

#### Endocrine disrupting properties

The product does not contain substances with the potential for endocrine disorders in concentration  $\geq 0.1$  %.

#### Additional information

No information.

## SECTION 3: COMPOSITION/INFORMATION ON INGREDIENTS

### 3.1 Substances

For mixtures see 3.2.

### 3.2 Mixtures

Name	CAS EC Index REACH	%	Classification according to Regulation (EC) No 1272/2008 (CLP)	Specific Concentration Limits	Notes for substances
ethanol	64-17-5 200-578-6	96	Flam. Liq. 2; H225 Eye Irrit. 2; H319	/	/
butanone	78-93-3 201-159-0 606-002-00-3	<1	Flam. Liq. 2; H225 Eye Irrit. 2; H319 STOT SE 3; H336 EUH066	/	/
propan-2-ol	67-63-0 200-661-7 603-117-00-0	<1	Flam. Liq. 2; H225 Eye Irrit. 2; H319 STOT SE 3; H336	/	/

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Name	CAS EC Index REACH	%	Classification according to Regulation (EC) No 1272/2008 (CLP)	Specific Concentration Limits	Notes for substances
denatonium benzoate	3734-33-6 - -	<0.01	Acute Tox. 4; H302 Aquatic Chronic 3; H412	/	/

### Product description

See SDS Section 16 for full text of hazard statements.

## SECTION 4: FIRST AID MEASURES

### 4.1 Description of first aid measures

#### General notes

Take affected persons out of danger area and instruct to lie down. Instantly remove any clothing soiled by the product.

#### Following inhalation

Remove patient to fresh air - move out of dangerous area. If symptoms develop and persist, seek medical attention.

#### Following skin contact

Areas of the body that have come into contact with the product immediately rinse with plenty of water and possibly with mild cleaner. Take off all contaminated clothing. If symptoms develop and persist, seek medical attention.

#### Following eye contact

Immediately flush eyes with plenty of water while keeping eyelids apart (at least 15 minutes). Remove contact lenses, if present and easy to do. If irritation persists, seek professional medical attention.

#### Following ingestion

Rinse mouth thoroughly with water. Give the victim plenty of water to drink if he is fully conscious. Do not induce vomiting! With lasting difficulties consult with a doctor.

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

#### Following inhalation

Excessive exposure to spray mist, fog, or vapours may cause respiratory irritation. It has a depressing effect on the central nervous system, causing nausea, vomiting, drowsiness, loss of coordination.

#### Following skin contact

Irritation, dryness and cracking of the skin.

#### Following eye contact

Irritation, redness, burning, temporary damage to the cornea.

#### Following ingestion

Taking a large amount causes stomach pain, intoxication, nausea, vomiting.

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

Treat symptomatically. Contact a poison treatment specialist immediately if large quantities have been ingested or inhaled.

## SECTION 5: FIREFIGHTING MEASURES

### 5.1 Extinguishing media

#### Suitable extinguishing media

Dry chemicals.  
Carbon dioxide (CO<sub>2</sub>).  
Alcohol-resistant foam. Water spray.

#### Unsuitable extinguishing media

Full water jet.

### 5.2 Special hazards arising from the substance or mixture

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### Hazardous combustion products

In case of a fire toxic gases can be generated; do not inhale gases/smoke. There is a risk of fire at higher temperatures or in contact with an ignition source. Hazardous combustion products: combustion products may contain the following substances: CO and CO<sub>2</sub>.

### 5.3 Advice for firefighters

#### Protective actions

Promptly isolate the scene by removing all persons from the vicinity of the incident. No action shall be taken involving any personal risk or without suitable training.

#### Special protective equipment for fire-fighters

Firefighters should wear appropriate protective clothing for firefighters (including helmets, protective boots and gloves) (EN 469) and self-contained breathing apparatus (SCBA) with a full face-piece (EN 137). Clothing for firefighters must conform to European standard EN 469.

#### Additional information

No information.

## SECTION 6: ACCIDENTAL RELEASE MEASURES

### 6.1 Personal precautions, protective equipment and emergency procedures

#### For non-emergency personnel

##### Protective equipment

Use personal protective equipment (Section 8).

##### Precautionary measures

Ensure adequate ventilation. Keep away from sources of ignition and/or heat; No smoking!

##### Emergency procedures

Prevent access to unprotected personnel. No action shall be taken involving any personal risk or without suitable training. Evacuate the danger zone. Do not breathe vapour or mist. Avoid contact with skin, eyes and clothing.

#### For emergency responders

Use personal protective equipment. Remove ignition sources.

### 6.2 Environmental precautions

Avoid spreading the spilled material, its runoff and contact with the ground, waterways, drains or sewers. In case of release into the environment, inform the relevant authorities.

### 6.3 Methods and material for containment and cleaning up

#### For containment

Stem the spill if this does not pose risks.

#### For cleaning up

Small spills: Stop the leak if there is no risk. Pick up the loose product mechanically using absorbent material (sawdust, sand, soil) and place it in appropriately marked waste containers for further treatment according to the regulation. Wash off the rest with water. Large Spills: Stop the leak if there is no risk. Prevent the discharge of the product into sewers, soil, surface and underground water. Enclose the bulk product with partitions, pick it up mechanically using absorbent material (sawdust, sand, soil) and dispose of it in adequately marked waste containers for further treatment according to the regulation. Wash off the residue with plenty of water.

#### Other information

No information.

### 6.4 Reference to other sections

See also sections 8 and 13.

## SECTION 7: HANDLING AND STORAGE

### 7.1 Precautions for safe handling

#### Protective measures

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### Measures to prevent fire

Ensure adequate ventilation. Take precautionary measures against static discharges. Keep away from sources of ignition - no smoking. Use spark-proof tools. Ensure proper grounding of the equipment.

### Measures to prevent aerosol and dust generation

Use general or local exhaust ventilation to prevent inhaling vapours and aerosols.

### Measures to protect the environment

Do not discharge into drains, surface water and soil. After use immediately close container tightly.

### Other measures

No information.

### Advice on general occupational hygiene

Do not eat, drink or smoke while working. Do not breathe vapours/mist. Use good personal hygiene practices – wash hands at breaks and when done working with material. Avoid contact with skin, eyes and clothes. Remove contaminated clothes and wash them before reuse. Wear suitable protective equipment; see Section 8.

## 7.2 Conditions for safe storage, including any incompatibilities

### Technical measures and storage conditions

Consider valid regulation. Keep in a cool, dry and well ventilated place. Protect from open fire, heat and direct sunlight. Keep away from incompatible products (see section 10). Keep away from food, drink and animal feeding stuffs. Keep away from sources of ignition - no smoking. Ensure grounding of the equipment. Store between +15°C to 25°C.

### Packaging materials

Store only in original container.

### Requirements for storage rooms and vessels

Close opened containers after use. Put the containers upright to prevent from leaking. Do not store in unlabelled containers.

### Storage temperature

No information.

### Storage class

No information.

### Further information on storage conditions

No information.

## 7.3 Specific end use(s)

### Recommendations

See identified uses in Section 1.2.

### Industrial sector specific solutions

No information.

## SECTION 8: EXPOSURE CONTROLS/PERSONAL PROTECTION

### 8.1 Control parameters

#### Occupational Exposure limit values

Name	mg/m <sup>3</sup>	ml/m <sup>3</sup>	Short-term value mg/m <sup>3</sup>	Short-term value ml/m <sup>3</sup>	Remark	Biological Tolerance Values
Butan-2-one (methyl ethyl ketone) (78-93-3)	600	200	899	300	Sk, BMGV	70 µmol butan-2- one/L in urine - Post shift
Ethanol (64-17-5)	1920	1000	/	/	/	/
Propan-2-ol (67- 63-0)	999	400	1250	500	/	/

#### Information on monitoring procedures

BS EN 14042:2003 Workplace atmospheres. Guide for the application and use of procedures for the assessment of exposure to chemical and biological agents. BS EN 689:2018 Workplace exposure. Measurement of exposure by inhalation



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to chemical agents. Strategy for testing compliance with occupational exposure limit values. BS EN 482:2021 Workplace exposure. Procedures for the determination of the concentration of chemical agents. Basic performance requirements.

### DNEL/DMEL values

#### For product

No information.

#### For components

Name	Type	Exposure route	exp. frequency	Remark	Value
ethanol	Consumer	oral	long term systemic effects	/	87 mg/kg
ethanol	Worker	dermal	long term systemic effects	/	343 mg/kg
ethanol	Consumer	dermal	long term systemic effects	/	206 mg/kg
ethanol	Worker	inhalation	long term systemic effects	/	950 mg/m <sup>3</sup>
ethanol	Consumer	inhalation	long term systemic effects	/	114 mg/m <sup>3</sup>

### PNEC values

#### For product

No information.

#### For components

Name	Exposure route	Remark	Value
ethanol	fresh water	/	960 µg/L
ethanol	water, intermittent release	/	2.75 mg/L
ethanol	marine water	/	790 µg/L
ethanol	water treatment plant	/	580 mg/L
ethanol	fresh water sediment	/	3.6 mg/kg
ethanol	marine water sediment	/	2.9 mg/kg
ethanol	soil	/	630 mg / kg sediment dw
ethanol	food chain	secondary poisoning	550 mg/kg feed

## 8.2 Exposure controls

### Appropriate engineering control

#### Substance/mixture related measures to prevent exposure during identified uses

Do not breathe vapours/aerosols. Use good personal hygiene practices – wash hands at breaks and when done working with material. Handle in accordance with good industrial hygiene and safety practice. Do not eat, drink or smoke while working. Avoid contact with skin, eyes and clothes.

### Structural measures to prevent exposure

No information.

### Organisational measures to prevent exposure

Remove all contaminated clothes immediately and wash them before reuse.

### Technical measures to prevent exposure

Provide good ventilation and local exhaust in areas with increased concentration. Keep away from food, drink and animal feeding stuffs.

### Personal protective equipment

#### Eye and face protection

Safety goggles (EN 166).

#### Hand protection

Use chemical resistant gloves.

### Appropriate materials

#### Skin protection

Wear suitable protective clothing.

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### Respiratory protection

In case of insufficient ventilation wear suitable respiratory protection.

### Thermal hazards

No information.

### Environmental exposure controls

#### Substance/mixture related measures to prevent exposure

The emissions generated by manufacturing processes, including those generated by ventilation equipment, should be checked to ensure compliance with environmental standards.

#### Instruction measures to prevent exposure

No information.

#### Organisational measures to prevent exposure

No information.

#### Technical measures to prevent exposure

Do not allow product to reach drains, sewage systems or ground water.

## SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES

### 9.1 Information on basic physical and chemical properties

#### Important health, safety and environmental information

Physical state	liquid
Shape	No information.
Colour	colourless
Odour	characteristic, odor of alcohol
Odour threshold	no data
Melting/freezing point or softening point	No information.
Boiling point or initial boiling point and boiling range	78 °C
Flammability	No information.
Lower and upper explosion limit	2.5 — 13.5 % v/v
Flash point	No information.
Auto-ignition temperature	No information.
Decomposition temperature	No information.
pH	7.87
Viscosity	No information.
Solubility (Water)	Completely soluble
Partition coefficient n-octanol/water (log value)	No information.
Vapour pressure	No information.
Density	0.799 g/cm <sup>3</sup>
Relative vapour/gas density	No information.
Particle characteristics	No information.

### 9.2 Other information

#### Information with regard to physical hazard classes

No information.

#### Other safety characteristics

No information.

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## SECTION 10: STABILITY AND REACTIVITY

### 10.1 Reactivity

Vapours may form explosive mixture with air.

### 10.2 Chemical stability

Product is stable under normal conditions according to handling and storage.

### 10.3 Possibility of hazardous reactions

Risk of ignition or formation of flammable gases or vapors at high temperatures. Do not mix with other chemicals. No dangerous reactions occur under normal conditions of storage and use.

### 10.4 Conditions to avoid

See also Section 7.

### 10.5 Incompatible materials

Strong oxidising agents.  
Acids. Alkali metal. Alkaline earth metals.  
Peroxide. Perchlorates.

### 10.6 Hazardous decomposition products

Under normal use conditions no hazardous decomposition products are expected. In case of fire/explosion vapours/gases that pose a health hazard are released. Hazardous combustion products, see Section 5 of the safety data sheet.

## SECTION 11: TOXICOLOGICAL INFORMATION

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

#### (a) Acute toxicity

##### For components

Name	Exposure route	Type	Species	Time	Value	Method	Remark
ethanol	oral	LD <sub>50</sub>	rat	/	10470 mg/kg	OECD 401	/
ethanol	dermal	LD <sub>50</sub>	rabbit	/	15800 mg/kg	ECHA	/
ethanol	inhalation	LC <sub>50</sub>	rat	4 h	124.7 mg/l	OECD 403	/
butanone	oral	LD <sub>50</sub>	rat	/	2193 mg/kg	/	/
butanone	dermal	LD <sub>50</sub>	rabbit	/	> 5000 ml/kg	/	/
propan-2-ol	oral	LD <sub>50</sub>	rat	/	5045 mg/kg	/	/
propan-2-ol	dermal	LD <sub>50</sub>	rabbit	/	12800 mg/kg	/	/
propan-2-ol	inhalation	LC <sub>50</sub>	rat	4 h	30 mg/l	/	/

#### Additional information

The product is not classified for acute toxicity.

#### (b) Skin corrosion/irritation

##### For components

Name	Species	Time	result	Method	Remark
ethanol	rabbit	/	Does not cause skin irritation.	OECD 404	/

#### Additional information

Skin corrosion/irritation: Based on available data, the classification criteria are not met.

#### (c) Serious eye damage/irritation

##### For components

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Name	Exposure route	Species	Time	result	Method	Remark
ethanol	/	rabbit	/	Irritating to eyes.	OECD 405	/

### Additional information

Causes serious eye irritation.

### (d) Respiratory or skin sensitisation

No information.

### Additional information

The product is not classified as sensitising.

### (e) (Germ cell) mutagenicity

No information.

### (f) Carcinogenicity

No information.

### (g) Reproductive toxicity

No information.

### Summary of evaluation of the CMR properties

Mutagenicity: based on available data, the classification criteria are not met. Carcinogenicity: Based on available data, the classification criteria are not met.

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

### (h) STOT-single exposure

No information.

### Additional information

STOT SE (single exposure): Not classified.

### (i) STOT-repeated exposure

No information.

### Additional information

STOT RE (repeated exposure): Not classified.

### (j) Aspiration hazard

No information.

### Additional information

Aspiration hazard: Not classified.

### Symptoms related to the physical, chemical and toxicological characteristics

No information.

### Interactive effects

No information.

## 11.2 Information on other hazards

### Endocrine disrupting properties

#### For product

The product does not contain substances with the potential for endocrine disorders in concentration  $\geq 0.1$  %.

#### Other information

No information.

## SECTION 12: ECOLOGICAL INFORMATION

### 12.1 Toxicity

#### Acute (short-term) toxicity

#### For components

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Name	Type	Value	Exposure time	Species	Organism	Method	Remark
ethanol	LC <sub>50</sub>	11200 mg/L	24 h	fish	/	/	/
ethanol	LC <sub>50</sub>	1300 mg/L	96 h	fish	/	/	/
ethanol	EC <sub>50</sub>	12340 mg/L	48 h	/	<i>Daphnia magna</i>	/	/
ethanol	EC <sub>50</sub>	275 mg/L	72 h	algae	/	/	/
ethanol	EC <sub>50</sub>	1290 mg/L	48 h	algae	/	/	/
butanone	LC <sub>50</sub>	2993 mg/L	96 h	fish	<i>Pimephales promelas</i>	/	/
butanone	EC <sub>50</sub>	308 mg/L	48 h	crustacea	<i>Daphnia magna</i>	/	/
butanone	EC <sub>50</sub>	2029 mg/L	96 h	algae/aquatic plants	<i>Pseudokirchneriella subcapitata</i>	/	/
propan-2-ol	LC <sub>50</sub>	> 100 mg/L	48 h	fish	<i>Leuciscus idus</i>	/	/
propan-2-ol	EC <sub>50</sub>	> 100 mg/L	48 h	crustacea	<i>Daphnia magna</i>	/	/
propan-2-ol	EC <sub>50</sub>	> 100 mg/L	72 h	algae	/	/	/
denatonium benzoate	LC <sub>50</sub>	> 1000 mg/L	96 h	fish	<i>Oncorhynchus mykiss</i>	/	/
denatonium benzoate	LC <sub>50</sub>	> 1000 mg/L	96 h	fish	<i>Salmo gairdneri</i>	/	/
denatonium benzoate	EC <sub>50</sub>	13 mg/L	48 h	crustacea	<i>Daphnia magna</i>	/	/

### Chronic (long-term) toxicity

No information.

### 12.2 Persistence and degradability

#### Abiotic degradation, physical- and photo-chemical elimination

No information.

#### Biodegradation

##### For components

Name	Type	Rate	Time	Evaluation	Method	Remark
ethanol	biodegradability	94 %	/	/	OECD 301 E	/
butanone	biodegradability	/	/	readily biodegradable	/	/

### 12.3 Bioaccumulative potential

#### Partition coefficient n-octanol/water (log value)

##### For components

Name	Value	Temperature °C	pH	Concentration	Method
butanone	0.3	/	/	/	estimated
denatonium benzoate	1.78	/	/	/	/

#### Bioconcentration factor (BCF)

No information.

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### 12.4 Mobility in soil

#### Known or predicted distribution to environmental compartments

No information.

#### Surface tension

No information.

#### Adsorption/Desorption

No information.

### 12.5 Results of PBT and vPvB assessment

The product does not contain any PBT or vPvB substances in percentages greater than 0.1%.

### 12.6 Endocrine disrupting properties

#### For product

The product does not contain substances with the potential for endocrine disorders in concentration  $\geq 0.1$  %.

### 12.7 Other adverse effects

The product is not classified as hazardous for the environment. Prevent spreading in groundwater, watercourses, water supply or sewage system.

### 12.8 Additional information

No information.

## SECTION 13: DISPOSAL CONSIDERATIONS

### 13.1 Waste treatment methods

#### Product / Packaging disposal

##### Waste chemical

Dispose the product to an authorised collector/remover of waste/company performing waste recovery.

##### Waste codes / waste designations according to LoW

No information.

##### Packaging

Deliver completely emptied containers to approved waste disposal authorities.

##### Waste codes / waste designations according to LoW

No information.

##### Waste treatment-relevant information

No information.

##### Sewage disposal-relevant information

Do not discharge into drains.

##### Other disposal recommendations

No information.

## SECTION 14: TRANSPORT INFORMATION

ADR/RID	IMDG	IATA	ADN
14.1 UN number or ID number			
UN 1170	UN 1170	UN 1170	UN 1170
14.2 UN proper shipping name			
ETHANOL (ETHYL ALCOHOL)	ETHANOL (ETHYL ALCOHOL)	ETHANOL (ETHYL ALCOHOL)	ETHANOL (ETHYL ALCOHOL)
14.3 Transport hazard class(es)			

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## SAFETY DATA SHEET ACCORDING TO REGULATION (EC) 1907/2006

Product name: **Alkohol 96% denaturisan**    Creation date: **04.07.2025**, Revision: **04.07.2025**, Version: **1.0**

ADR/RID	IMDG	IATA	ADN
3	3	3	3
			
14.4 Packing group			
II	II	II	II
14.5 Environmental hazards			
NO	NO	NO	NO
14.6 Special precautions for user			
Limited quantities 1 L Special provisions 144, 601 Packing Instructions P001, IBC02, R001 Transport category 2 Tunnel restriction code (D/E) Classification code F1	Limited quantities 1 L EmS F-E, S-D	Limited Quantity, Packing Instructions (Ltd Qty, Pkg Inst) Y341 Limited Quantity, Maximum Net Quantity/Package (Ltd Qty, Max Net Qty/Pkg) 1 L Packing Instructions (Pkg Inst) 353 Maximum Net Quantity/Package (Max Net Qty/Pkg) 5 L Cargo Aircraft Only, Packing Instructions (CAO, Pkg Inst) 364 Cargo Aircraft Only, Maximum Net Quantity/Package (CAO, Max Net Qty/Pkg) 60 L Special provisions A3 Excepted quantities E2 ERG code 3L	Limited quantities 1 L
14.7 Maritime transport in bulk according to IMO instruments			
	Goods may not be carried in bulk in bulk containers, containers or vehicles.		

## SECTION 15: REGULATORY INFORMATION

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

- Regulation (EC) No 1907/2006 concerning the Registration, Evaluation, Authorisation and Restriction of Chemicals (REACH) (including last amendment Commission Regulation (EU) 2020/878)

- Regulation (EC) No 1272/2008 on classification, labelling and packaging of substances and mixtures

Information according 2004/42/EC about limitation of emissions of volatile organic compounds (VOC-guideline)  
not applicable

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### Ingredients according to Regulation (EC) No 648/2004 on detergents

No information.

### Special instructions

Regulation (EC) No. 1907/2006 (REACH) Annex XVII - Terms of restriction: 40. Seveso P5c: FLAMMABLE LIQUIDS.

### 15.2 Chemical Safety Assessment

No chemical safety assessment has been performed.

## SECTION 16: OTHER INFORMATION

### Indication of changes

No information.

### Key literature references and sources for data

European Chemicals Agency website: <https://echa.europa.eu/>. version 10.0, European Chemicals Agency website: <https://echa.europa.eu/de/home>

### Abbreviations and acronyms

ATE - Acute Toxicity Estimate  
ADR - Agreement concerning the International Carriage of Dangerous Goods by Road  
ADN - European Agreement concerning the International Carriage of Dangerous Goods by Inland Waterways  
CEN - European Committee for Standardisation  
C&L - Classification and Labelling  
CLP - Classification Labelling Packaging Regulation; Regulation (EC) No 1272/2008  
CAS# - Chemical Abstracts Service number  
CMR - Carcinogen, Mutagen, or Reproductive Toxicant  
CSA - Chemical Safety Assessment  
CSR - Chemical Safety Report  
DMEL - Derived Minimal Effect Level  
DNEL - Derived No Effect Level  
DPD - Dangerous Preparations Directive 1999/45/EC  
DSD - Dangerous Substances Directive 67/548/EEC  
DU - Downstream User  
EC - European Community  
ECHA - European Chemicals Agency  
EC-Number - EINECS and ELINCS Number (see also EINECS and ELINCS)  
EEA - European Economic Area (EU + Iceland, Liechtenstein and Norway)  
EEC - European Economic Community  
EINECS - European Inventory of Existing Commercial Substances  
ELINCS - European List of notified Chemical Substances  
EN - European Standard  
EQS - Environmental Quality Standard  
EU - European Union  
Euphrac - European Phrase Catalogue  
EWC - European Waste Catalogue (replaced by LoW - see below)  
GES - Generic Exposure Scenario  
GHS - Globally Harmonized System  
IATA - International Air Transport Association  
ICAO-TI - Technical Instructions for the Safe Transport of Dangerous Goods by Air  
IMDG - International Maritime Dangerous Goods  
IMSBC - International Maritime Solid Bulk Cargoes  
IT - Information Technology  
IUCLID - International Uniform Chemical Information Database  
IUPAC - International Union for Pure Applied Chemistry  
JRC - Joint Research Centre  
Kow - octanol-water partition coefficient  
LC50 - Lethal Concentration to 50 % of a test population  
LD50 - Lethal Dose to 50% of a test population (Median Lethal Dose)  
LE - Legal Entity  
LoW - List of Wastes (see <http://ec.europa.eu/environment/waste/framework/list.htm>)  
LR - Lead Registrant

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M/I - Manufacturer / Importer  
MS - Member States  
MSDS - Material Safety Data Sheet  
OC - Operational Conditions  
OECD - Organization for Economic Co-operation and Development  
OEL - Occupational Exposure Limit  
OJ - Official Journal  
OR - Only Representative  
OSHA - European Agency for Safety and Health at work  
PBT - Persistent, Bioaccumulative and Toxic substance  
PEC - Predicted Effect Concentration  
PNEC(s) - Predicted No Effect Concentration(s)  
PPE - Personal Protection Equipment  
(Q)SAR - Qualitative Structure Activity Relationship  
REACH - Registration, Evaluation, Authorisation and Restriction of Chemicals (Regulation (EC) No 1907/2006)  
RID - Regulations concerning the International Carriage of Dangerous Goods by Rail  
RIP - REACH Implementation Project  
RMM - Risk Management Measure  
SCBA - Self-Contained Breathing Apparatus  
SDS - Safety data sheet  
SIEF - Substance Information Exchange Forum  
SME - Small and Medium sized Enterprises  
STOT - Specific Target Organ Toxicity  
(STOT) RE - Repeated Exposure  
(STOT) SE - Single Exposure  
SVHC - Substances of Very High Concern  
UN - United Nations  
vPvB - Very Persistent and Very Bioaccumulative

### List of relevant H phrases

H225 Highly flammable liquid and vapour.  
H302 Harmful if swallowed.  
H319 Causes serious eye irritation.  
H336 May cause drowsiness or dizziness.  
H412 Harmful to aquatic life with long lasting effects.  
EUH066 Repeated exposure may cause skin dryness or cracking.

### Further information / Responsible person

**METHODS FOR CLASSIFICATION:** Product classification is based on calculation methods.