

Tendercare Hånddesinfeksjon flytende

Version number: 2.0
Replaces version of: 2024-02-09 (1)

Revision: 2025-10-13
Date of issue: 2024-02-09

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

1.1 Product identifier

Trade name **Tendercare Hånddesinfeksjon flytende**

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

Relevant identified uses
Biocidal product
Professional uses
General use
Hand disinfectant
PT1 Human hygiene

1.3 Details of the supplier of the safety data sheet

NOS Chemicals AS
Forusbeen 226
NO-4313 Sandnes
Norway

Telephone: +47 51733000
e-mail: post.chemicals@nosas.no
Website: www.nosas.no

Additional information

Supplier of the product				
Country	Name	Postal code/city	Telephone	Website
Norway	Norengros AS	0609 Oslo	+47 22666220	www.norengros.no

1.4 Emergency telephone number

Poison centre			
Country	Name	Postal code/city	Telephone
Norway	Giftinformasjonen	Oslo	+47 22 59 13 00
United Kingdom	National Poisons Information Service NHS		111 (24H)

SECTION 2: Hazards identification

2.1 Classification of the substance or mixture

Classification acc. to GHS

Section	Hazard class	Cat-egory	Hazard class and category	Hazard statement
2.6	flammable liquid	2	Flam. Liq. 2	H225
3.3	serious eye damage/eye irritation	2	Eye Irrit. 2	H319

For full text of abbreviations: see SECTION 16.

The most important adverse physicochemical, human health and environmental effects

The product is combustible and can be ignited by potential ignition sources.

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2.2 Label elements

Labelling

- Signal word

DANGER

- Pictograms

GHS02, GHS07



- Hazard statements

H225

Highly flammable liquid and vapour.

H319

Causes serious eye irritation.

- Precautionary statements

P101

If medical advice is needed, have product container or label at hand.

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.

P403+P235

Store in a well-ventilated place. Keep cool.

P501

Dispose of contents/container in accordance with local/regional/national/international regulations.

Tactile warning of danger

yes

2.3 Other hazards

Results of PBT and vPvB assessment

This mixture does not contain any substances that are assessed to be a PBT or a vPvB.

Endocrine disrupting properties

Does not contain any substances with a potential hormone-disrupting effect.

SECTION 3: Composition/information on ingredients

3.1 Substances

Not relevant (mixture)

3.2 Mixtures

Description of the mixture

Hazardous ingredients acc. to GHS			
Name of substance	Identifier	Wt%	Classification acc. to GHS
Ethanol	CAS No 64-17-5 EC No 200-578-6 Index No	60 – < 80	Flam. Liq. 2 / H225 Eye Irrit. 2 / H319

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Hazardous ingredients acc. to GHS			
Name of substance	Identifier	Wt%	Classification acc. to GHS
	603-002-00-5		
Isopropanol	CAS No 67-63-0 EC No 200-661-7 Index No 603-117-00-0	10 – < 20	Flam. Liq. 2 / H225 Acute Tox. 4 / H332 Eye Irrit. 2 / H319 STOT SE 3 / H336
propan-1-ol	CAS No 71-23-8 EC No 200-746-9 Index No 603-003-00-0	< 5	Flam. Liq. 2 / H225 Eye Dam. 1 / H318 STOT SE 3 / H336

Name of substance	Specific Conc. Limits	M-Factors	ATE	Exposure route
Isopropanol	-	-	10,000 ppmV/ 11 ^{4h} mg/4h	inhalation: gas inhalation: vapour

Remarks

For full text of abbreviations: see SECTION 16

SECTION 4: First aid measures

4.1 Description of first aid measures

General notes

Do not leave affected person unattended. In case of unconsciousness place person in the recovery position. Never give anything by mouth. Call a POISON CENTER/doctor/.../if you feel unwell.

Following inhalation

Remove person to fresh air and keep comfortable for breathing. Call a POISON CENTER/doctor/.../if you feel unwell.

Following skin contact

Take off contaminated clothing.

Following eye contact

Rinse immediately carefully and thoroughly with eye shower or water. Remove contact lenses, if present and easy to do. Continue rinsing. Irrigate copiously with clean, fresh water for at least 30 minutes, holding the eyelids apart. Immediately call a POISON CENTER/doctor.

Following ingestion

Rinse mouth with water (only if the person is conscious). Do NOT induce vomiting. Call a POISON CENTER/doctor.

4.2 Most important symptoms and effects, both acute and delayed

INHALATION: Inhalation can cause irritation, coughing, difficulty breathing.

EYE CONTACT: Irritating to eyes. May irritate and cause redness and pain.

INGESTION: Irritability. Ingestion can cause nausea, vomiting and diarrhea.

4.3 Indication of any immediate medical attention and special treatment needed

Call a POISON CENTER/doctor/.../if you feel unwell.

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SECTION 5: Firefighting measures

5.1 Extinguishing media

Suitable extinguishing media

Use extinguishing media appropriate for surrounding fire, Water mist, Alcohol resistant foam, BC-powder, Carbon dioxide (CO₂), Sand, Foam

Unsuitable extinguishing media

Do not use a heavy water stream, as this will spread the fire

5.2 Special hazards arising from the substance or mixture

Highly flammable liquid and vapour. In case of insufficient ventilation and/or in use, may form flammable/explosive vapour-air mixture.

Hazardous combustion products

Carbon monoxide (CO), Carbon dioxide (CO₂)

5.3 Advice for firefighters

Keep containers cool with water spray. Co-ordinate firefighting measures to the fire surroundings. Fight fire with normal precautions from a reasonable distance. Prevent fire fighting water from entering the environment.

Protection during firefighting: Do not enter fire area without proper personal protective equipment, including respiratory protection.

Cool containers that have been exposed to flames with water long after the fire is out.

SECTION 6: Accidental release measures

6.1 Personal precautions, protective equipment and emergency procedures

For non-emergency personnel

Provision of sufficient ventilation. Do not eat, drink or smoke when using this product. Avoid eye contact. Do not breathe vapour. Use personal protective equipment as required.

For emergency responders

Evacuate unnecessary personnel. Wear breathing apparatus if exposed to vapours/dust/spray/gases.

6.2 Environmental precautions

Avoid release to the environment.

6.3 Methods and material for containment and cleaning up

Advice on how to contain a spill

Covering of drains

Advice on how to clean up a spill

Large spill: stop leak if safe to do so use only non-sparking tools clear spills immediately Absorb spilled material with inert, moist, non-combustible material.

Small spill: Absorb spilled material with inert, moist, non-combustible material. Rinse the contaminated area with plenty of water.

Appropriate containment techniques

Use of adsorbent materials.

Other information relating to spills and releases

Place in appropriate containers for disposal. Ventilate affected area. Rinse the contaminated area with plenty of water.

6.4 Reference to other sections

Hazardous combustion products: see section 5.

Personal protective equipment: see section 8.

Incompatible materials: see section 10.

Disposal considerations: see section 13.

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SECTION 7: Handling and storage

7.1 Precautions for safe handling

Recommendations

- Measures to prevent fire as well as aerosol and dust generation

Use local and general ventilation. Avoidance of ignition sources. Keep away from sources of ignition - No smoking. Take precautionary measures against static discharge. Due to danger of explosion, prevent leakage of vapours into cellars, flues and ditches. Ground/bond container and receiving equipment. Use explosion-proof electrical/ventilating/lighting/equipment. Use only non-sparking tools.

Advice on general occupational hygiene

Do not eat, drink and smoke in work areas. Remove contaminated clothing and protective equipment before entering eating areas. Never keep food or drink in the vicinity of chemicals. Keep away from food, drink and animal feeding-stuffs. Wash contaminated clothing before reuse.

7.2 Conditions for safe storage, including any incompatibilities

Managing of associated risks

- Explosive atmospheres

Keep container tightly closed and in a well-ventilated place. Use local and general ventilation. Protect from sunlight. Keep container in a well-ventilated place. Keep container tightly closed. Keep in a cool place.

- Flammability hazards

Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking. Take precautionary measures against static discharge. Protect from sunlight.

- Ventilation requirements

Use local and general ventilation. Ground/bond container and receiving equipment.

- Packaging compatibilities

Only packagings which are approved (e.g. acc. to ADR) may be used.

7.3 Specific end use(s)

There is no additional information.

SECTION 8: Exposure controls/personal protection

8.1 Control parameters

Occupational exposure limit values (Workplace Exposure Limits)

Occupational exposure limit values (Workplace Exposure Limits)											
Country	Name of agent	CAS No	Identifier	TWA [ppm]	TWA [mg/m ³]	STEL [ppm]	STEL [mg/m ³]	Ceiling-C [ppm]	Ceiling-C [mg/m ³]	Notation	Source
GB	glycerol	56-81-5	WEL		10					mist	EH40/2005
GB	ethanol	64-17-5	WEL	1,000	1,920						EH40/2005
GB	propan-2-ol	67-63-0	WEL	400	999	500	1,250				EH40/2005
GB	propan-1-ol	71-23-8	WEL	200	500	250	625			H	EH40/2005
NO	ethanol	64-17-5	GV	500	950						For-skrift,

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Occupational exposure limit values (Workplace Exposure Limits)											
Country	Name of agent	CAS No	Identifier	TWA [ppm]	TWA [mg/m ³]	STEL [ppm]	STEL [mg/m ³]	Ceiling-C [ppm]	Ceiling-C [mg/m ³]	Notation	Source
											best.nr. 704
NO	2-propanol	67-63-0	GV	100	245						Forskrift, best.nr. 704
NO	1-propanol	71-23-8	GV	100	245					H	Forskrift, best.nr. 704

Notation

- Ceiling-C ceiling value is a limit value above which exposure should not occur
- H absorbed through the skin
- mist as mists
- STEL short-term exposure limit: a limit value above which exposure should not occur and which is related to a 15-minute period (unless otherwise specified)
- TWA time-weighted average (long-term exposure limit): measured or calculated in relation to a reference period of 8 hours time-weighted average (unless otherwise specified)

Relevant DNELs of components of the mixture

Relevant DNELs of components						
Name of substance	CAS No	Endpoint	Threshold level	Protection goal, route of exposure	Used in	Exposure time
Isopropanol	67-63-0	DNEL	500 mg/m ³	human, inhalatory	worker (industry)	chronic - systemic effects
Isopropanol	67-63-0	DNEL	888 mg/kg bw/day	human, dermal	worker (industry)	chronic - systemic effects
propan-1-ol	71-23-8	DNEL	268 mg/m ³	human, inhalatory	worker (industry)	chronic - systemic effects
propan-1-ol	71-23-8	DNEL	1,723 mg/m ³	human, inhalatory	worker (industry)	acute - systemic effects
propan-1-ol	71-23-8	DNEL	136 mg/kg bw/day	human, dermal	worker (industry)	chronic - systemic effects

8.2 Exposure controls

Appropriate engineering controls



Ensure good ventilation of the work station. Keep eyewash and emergency shower within reach.

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Individual protection measures (personal protective equipment)



Eye/face protection

Use safety goggle with side protection. Use protective eyewear to guard against splash of liquids. Safety goggles (EN 166).

Skin protection

- Hand protection

Gloves are not required in normal use.

Body protection

Use suitable protective clothing as protection against splashes or spills. Protective clothing against liquid chemicals.

Respiratory protection

Respiratory protection not required in normal conditions. In case of inadequate ventilation wear respiratory protection. Use a respirator equipped with the following filters: Type: A-P2 (combined filters against particles and organic gases and vapours, colour code: Brown/White). Type: ABEK-P2 (combined filters against gases, vapours and particles, colour code: Brown/Grey/Yellow/Green/White).

Other information

Do not eat, do not drink and do not smoke during use. Wash your hands and any other exposed area of mild soapy water before eating, drinking, smoking, and before leaving work. Personal protective equipment must be selected according to the CEN standard and in cooperation with the supplier of personal protective equipment. Wash contaminated clothing before reuse.

SECTION 9: Physical and chemical properties

9.1 Information on basic physical and chemical properties

Physical state	liquid
Colour	colourless
Odour	Alcohol - pungent
Melting point/freezing point	not determined
Boiling point or initial boiling point and boiling range	64.7 °C at 1,013 hPa
Flammability	flammable liquid in accordance with GHS criteria

Lower and upper explosion limit this information is not available

Lower explosion limit (LEL)	2 vol%
Upper explosion limit (UEL)	19 vol%
Flash point	9.7 °C at 1,013 hPa
Auto-ignition temperature	370 °C (auto-ignition temperature (liquids and gases))
pH (value)	~7.5 (20 °C)
Kinematic viscosity	3.488 mm ² /s at 20 °C

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Solubility(ies)	Soluble in water.
Partition coefficient n-octanol/water (log value)	this information is not available
Vapour pressure	169.3 hPa at 25 °C
Density	~0.835 g/cm ³ at 20 °C
Particle characteristics	not relevant (liquid)

9.2 Other information

Information with regard to physical hazard classes hazard classes acc. to GHS

Flammable liquids	category 2: highly flammable liquid
Other safety characteristics	there is no additional information

SECTION 10: Stability and reactivity

10.1 Reactivity

Risk of ignition.

If heated:

Risk of ignition

10.2 Chemical stability

Stable under normal temperature conditions and recommended use.

10.3 Possibility of hazardous reactions

Heating may cause a fire or explosion.

10.4 Conditions to avoid

Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking. Avoid extremely high or extremely low temperatures.

10.5 Incompatible materials

Oxidisers

10.6 Hazardous decomposition products

Reasonably anticipated hazardous decomposition products produced as a result of use, storage, spill and heating are not known. Hazardous combustion products: see section 5.

SECTION 11: Toxicological information

11.1 Information on toxicological effects

Classification procedure

The method for classification of the mixture is based on ingredients of the mixture (additivity formula).

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Classification acc. to GHS

Acute toxicity

Shall not be classified as acutely toxic.

Acute toxicity estimate (ATE) of components			
Name of substance	CAS No	Exposure route	ATE
Isopropanol	67-63-0	inhalation: gas	10,000 ppmV/4h
Isopropanol	67-63-0	inhalation: vapour	11 mg/l/4h

Acute toxicity of components					
Name of substance	CAS No	Exposure route	Endpoint	Value	Species
Ethanol	64-17-5	oral	LD50	10,470 mg/kg	rat
Ethanol	64-17-5	inhalation: vapour	LC50	124.7 mg/l/4h	rat
Isopropanol	67-63-0	oral	LD50	5,840 mg/kg	rat
Isopropanol	67-63-0	dermal	LD50	13,900 mg/kg	rabbit
Isopropanol	67-63-0	inhalation: gas	LC50	10,000 ppmV/4h	rat
propan-1-ol	71-23-8	dermal	LD50	4,032 mg/kg	rabbit

Skin corrosion/irritation

Shall not be classified as corrosive/irritant to skin.

Serious eye damage/eye irritation

Causes serious eye irritation.

Germ cell mutagenicity

Shall not be classified as germ cell mutagenic.

Carcinogenicity

Shall not be classified as carcinogenic.

Reproductive toxicity

Shall not be classified as a reproductive toxicant.

Specific target organ toxicity - single exposure

Shall not be classified as a specific target organ toxicant (single exposure).

Specific target organ toxicity - repeated exposure

Shall not be classified as a specific target organ toxicant (repeated exposure).

Aspiration hazard

Shall not be classified as presenting an aspiration hazard.

Symptoms related to the physical, chemical and toxicological characteristics

If swallowed:

Diarrhoea, Vomiting

If in eyes:

Causes serious eye irritation, May irritate and cause redness and pain.

If inhaled:

Dizziness, Irritability

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11.2 Information on other hazards

Endocrine disrupting properties

Does not contain any substances with a potential hormone-disrupting effect.

SECTION 12: Ecological information

12.1 Toxicity

Shall not be classified as hazardous to the aquatic environment.

Aquatic toxicity (acute) of components					
Name of substance	CAS No	Endpoint	Value	Species	Exposure time
Ethanol	64-17-5	LC50	15,400 mg/l	fish	96 h
Ethanol	64-17-5	EC50	12,700 mg/l	fish	96 h
Ethanol	64-17-5	ErC50	22,000 mg/l	algae	96 h
Isopropanol	67-63-0	LC50	10,000 mg/l	fish	96 h
propan-1-ol	71-23-8	LC50	4,555 mg/l	fish	96 h
propan-1-ol	71-23-8	EC50	3,644 mg/l	aquatic invertebrates	48 h
propan-1-ol	71-23-8	ErC50	9,170 mg/l	algae	48 h

12.2 Persistence and degradability

All organic components are considered biodegradable.

Degradability of components						
Name of substance	CAS No	Process	Degradation rate	Time	Method	Source
Ethanol	64-17-5	oxygen depletion	69 %	5 d		ECHA
Isopropanol	67-63-0	oxygen depletion	53 %	5 d		ECHA
propan-1-ol	71-23-8	oxygen depletion	64 %	5 d		ECHA

12.3 Bioaccumulative potential

Not expected to be bioaccumulative.

Bioaccumulative potential of components				
Name of substance	CAS No	BCF	Log KOW	BOD5/COD
Ethanol	64-17-5		-0.77	0.6211
Isopropanol	67-63-0	<100	0.05	
propan-1-ol	71-23-8		0.2 (pH value: 7, 25 °C)	

12.4 Mobility in soil

The product is soluble in water.

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12.5 Results of PBT and vPvB assessment

This substance/mixture does not meet the PBT criteria of REACH regulation, annex XIII.
This substance/mixture does not meet the vPvB criteria of REACH regulation, annex XIII.

12.6 Endocrine disrupting properties

None of the ingredients are listed. Does not contain any substances with a potential hormone-disrupting effect.

12.7 Other adverse effects

Not regarded as dangerous to the environment. This does not, however, rule out the possibility that large or frequent smaller emissions of the product may be harmful to the environment.

SECTION 13: Disposal considerations

13.1 Waste treatment methods

Waste treatment-relevant information

Dispose as hazardous waste.

Ecology - waste materials

Avoid release to the environment.

Waste treatment

Dispose in a safe manner in accordance with local/national regulations. .

Relevant provisions relating to waste

Properties of waste which render it hazardous

HP 3 flammable

Remarks

Please consider the relevant national or regional provisions. Waste shall be separated into the categories that can be handled separately by the local or national waste management facilities.

SECTION 14: Transport information

14.1 UN number or ID number

ADR/RID	UN 1987
IMDG-Code	UN 1987
ICAO-TI	UN 1987

14.2 UN proper shipping name

ADR/RID	ALCOHOLS, N.O.S.
IMDG-Code	ALCOHOLS, N.O.S.
ICAO-TI	Alcohols, n.o.s.
Technical name (hazardous ingredients)	Ethanol, Isopropanol

14.3 Transport hazard class(es)

ADR/RID	3
IMDG-Code	3
ICAO-TI	3

14.4 Packing group

ADR/RID	II
IMDG-Code	II

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ICAO-TI II

14.5 Environmental hazards

non-environmentally hazardous acc. to the dangerous goods regulations

14.6 Special precautions for user

Provisions for dangerous goods (ADR) should be complied within the premises.

14.7 Transport in bulk according to Annex II of MARPOL and the IBC Code

The cargo is not intended to be carried in bulk.

Information for each of the UN Model Regulations

Agreement concerning the International Carriage of Dangerous Goods by Road (ADR) - Additional information

Classification code F1

Danger label(s) 3



Special provisions (SP) 274, 601, 640D

Excepted quantities (EQ) E2

Limited quantities (LQ) 1 L

Transport category (TC) 2

Tunnel restriction code (TRC) D/E

Hazard identification No 33

Emergency Action Code 3YE

Regulations concerning the International Carriage of Dangerous Goods by Rail (RID) - Additional information

Classification code F1

Danger label(s) 3



Special provisions (SP) 274, 601, 640D

Excepted quantities (EQ) E2

Limited quantities (LQ) 1 L

Transport category (TC) 2

Hazard identification No 33

International Maritime Dangerous Goods Code (IMDG) - Additional information

Marine pollutant -

Danger label(s) 3



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Special provisions (SP)	274
Excepted quantities (EQ)	E2
Limited quantities (LQ)	1 L
EmS	F-E, S-D
Stowage category	B

International Civil Aviation Organization (ICAO-IATA/DGR) - Additional information

Danger label(s) 3



Special provisions (SP)	A3, A180
Excepted quantities (EQ)	E2
Limited quantities (LQ)	1 L

SECTION 15: Regulatory information

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

Regulation (EC) No. 1907/2006 (REACH), amended by 2020/878/EU.
Regulation (EC) No 1272/2008 on classification, labelling and packaging of substances and mixtures.
Regulations concerning action and limit values for physical and chemical agents in the working environment and classified biological agents .
Regulations on the recycling and treatment of waste (avfallsforskriften).
Agreements concerning the International Carriage of Dangerous Goods by Road/Rail/Inland Waterways (ADR/RID/ADN).
International Maritime Dangerous Goods Code (IMDG).
Regulations on declaration of chemicals to the product register (declaration regulations).
Biocidal Products Regulation (BPR).

Norwegian product registration number.

653618.

Relevant provisions of the European Union (EU)

Seveso Directive

2012/18/EU (Seveso III)			
No	Dangerous substance/hazard categories	Qualifying quantity (tonnes) for the application of lower and upper-tier requirements	Notes
P5c	flammable liquids (cat. 2, 3)	5,000 50,000	51)

Notation

51) flammable liquids, categories 2 or 3 not covered by P5a and P5b

Directive on the restriction of the use of certain hazardous substances in electrical and electronic equipment (RoHS)

none of the ingredients are listed

Regulation concerning the establishment of a European Pollutant Release and Transfer Register (PRTR)

none of the ingredients are listed

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Water Framework Directive (WFD)

none of the ingredients are listed

List of pollutants (WFD)		
Name of substance	Listed in	Remarks
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Legend

a) Indicative list of the main pollutants

Regulation on persistent organic pollutants (POP)

none of the ingredients are listed

National regulations (GB)

List of substances subject to authorisation (GB REACH, Annex 14) / SVHC - candidate list

none of the ingredients are listed

Restrictions according to GB REACH, Annex 17

Dangerous substances with restrictions (GB REACH, Annex 17)			
Name of substance	Name acc. to inventory	CAS No	No
Tendercare Hånddesinfeksjon flytende	this product meets the criteria for classification in accordance with Regulation No 1272/2008/EC		3
Ethanol	flammable / pyrophoric		40
Propan-1-ol	flammable / pyrophoric		40
Isopropanol	flammable / pyrophoric		40

15.2 Chemical safety assessment

Chemical safety assessments for substances in this mixture were not carried out.

SECTION 16: Other information

Indication of changes (revised safety data sheet)

Section	Actual entry (text/value)
3.2	Hazardous ingredients acc. to GHS: change in the listing (table)
3.2	Hazardous ingredients acc. to GHS: change in the listing (table)
8.1	Occupational exposure limit values (Workplace Exposure Limits): change in the listing (table)
8.2	Respiratory protection: Respiratory protection not required in normal conditions. In case of inadequate ventilation wear respiratory protection. Use a respirator equipped with the following filters: Type: A-P2 (combined filters against particles and organic gases and vapours, colour code: Brown/White). Type: ABEK-P2 (combined filters against gases, vapours and particles, colour code: Brown/Grey/Yellow/Green/White).
13.1	Properties of waste which render it hazardous: change in the listing (table)
15.1	Safety, health and environmental regulations/legislation specific for the substance or mixture:

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Section	Actual entry (text/value)
	<p>Regulation (EC) No. 1907/2006 (REACH), amended by 2020/878/EU. Regulation (EC) No 1272/2008 on classification, labelling and packaging of substances and mixtures. Regulations concerning action and limit values for physical and chemical agents in the working environment and classified biological agents . Regulations on the recycling and treatment of waste (avfallsforskriften). Agreements concerning the International Carriage of Dangerous Goods by Road/Rail/Inland Waterways (ADR/RID/ADN). International Maritime Dangerous Goods Code (IMDG). Regulations on declaration of chemicals to the product register (declaration regulations). Biocidal Products Regulation (BPR).</p> <p>Norwegian product registration number. 653618.</p>
15.1	2012/18/EU (Seveso III): change in the listing (table)
15.1	List of pollutants (WFD): change in the listing (table)
15.1	Dangerous substances with restrictions (GB REACH, Annex 17): change in the listing (table)

Abbreviations and acronyms

Abbr.	Descriptions of used abbreviations
Acute Tox.	Acute toxicity
ADR	Accord relatif au transport international des marchandises dangereuses par route (Agreement concerning the International Carriage of Dangerous Goods by Road)
ATE	Acute Toxicity Estimate
BCF	Bioconcentration factor
BOD	Biochemical Oxygen Demand
CAS	Chemical Abstracts Service (service that maintains the most comprehensive list of chemical substances)
Ceiling-C	Ceiling value
COD	Chemical oxygen demand
DGR	Dangerous Goods Regulations (see IATA/DGR)
DNEL	Derived No-Effect Level
EC50	Effective Concentration 50 %. The EC50 corresponds to the concentration of a tested substance causing 50 % changes in response (e.g. on growth) during a specified time interval
EC No	The EC Inventory (EINECS, ELINCS and the NLP-list) is the source for the seven-digit EC number, an identifier of substances commercially available within the EU (European Union)
EH40/2005	EH40/2005 Workplace exposure limits (http://www.nationalarchives.gov.uk/doc/open-government-licence/)
EINECS	European Inventory of Existing Commercial Chemical Substances
ELINCS	European List of Notified Chemical Substances
EmS	Emergency Schedule
ErC50	≅ EC50: in this method, that concentration of test substance which results in a 50 % reduction in either growth (EbC50) or growth rate (ErC50) relative to the control
Eye Dam.	Seriously damaging to the eye

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Abbr.	Descriptions of used abbreviations
Eye Irrit.	Irritant to the eye
Flam. Liq.	Flammable liquid
Forskrift, best.nr. 704	Regulations concerning action and limit values for physical and chemical agents in the working environment and classified biological agents
GB REACH	The REACH etc. (Amendment etc.) (EU Exit) Regulations 2019, SI 2019/758 (as amended)
GHS	"Globally Harmonized System of Classification and Labelling of Chemicals" developed by the United Nations
GV	Workplace exposure limit
IATA	International Air Transport Association
IATA/DGR	Dangerous Goods Regulations (DGR) for the air transport (IATA)
ICAO	International Civil Aviation Organization
ICAO-TI	Technical instructions for the safe transport of dangerous goods by air
IMDG	International Maritime Dangerous Goods Code
IMDG-Code	International Maritime Dangerous Goods Code
index No	The Index number is the identification code given to the substance in Part 3 of Annex VI to Regulation (EC) No 1272/2008
LC50	Lethal Concentration 50%: the LC50 corresponds to the concentration of a tested substance causing 50 % lethality during a specified time interval
LD50	Lethal Dose 50 %: the LD50 corresponds to the dose of a tested substance causing 50 % lethality during a specified time interval
log KOW	n-Octanol/water
MARPOL	International Convention for the Prevention of Pollution from Ships (abbr. of "Marine Pollutant")
NLP	No-Longer Polymer
PBT	Persistent, Bioaccumulative and Toxic
ppm	Parts per million
REACH	Registration, Evaluation, Authorisation and Restriction of Chemicals
RID	Règlement concernant le transport International ferroviaire des marchandises Dangereuses (Regulations concerning the International carriage of Dangerous goods by Rail)
STEL	Short-term exposure limit
STOT SE	Specific target organ toxicity - single exposure
TWA	Time-weighted average
vPvB	Very Persistent and very Bioaccumulative
WEL	Workplace exposure limit

Key literature references and sources for data

Agreement concerning the International Carriage of Dangerous Goods by Road (ADR). Regulations concerning the International Carriage of Dangerous Goods by Rail (RID). International Maritime Dangerous Goods Code (IMDG). Dangerous Goods Regulations (DGR) for the air transport (IATA).

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List of relevant phrases (code and full text as stated in section 2 and 3)

Code	Text
H225	Highly flammable liquid and vapour.
H318	Causes serious eye damage.
H319	Causes serious eye irritation.
H332	Harmful if inhaled.
H336	May cause drowsiness or dizziness.

The information in this safety data sheet is based on our current knowledge and on current regulations and national legislation. The information is based on the latest available data and is only valid for the intended use of the product.