SAFETY DATA SHEET

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

1.1. Product identifier

Trade name
Desinfektion Prime Source Ren 85
Product no.
-
REACH registration number
Not applicable
Unique formula identifier (UFI)
-

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

Relevant identified uses of the substance or mixture
PC8 Disinfection
Biocidal Products (e.g. Disinfectants, pest control) (PC8)
Roller application or brushing (PROC 10)
Professional uses: Public domain (administration, education, entertainment, services, craftsmen) (SU 22)
Wide dispersive indoor use of processing aids in open systems (ERC8a)
Uses advised against
-
The full text of any mentioned and identified use categories are given in section 16

1.3. Details of the supplier of the safety data sheet

Company and address
MultiLine
Kirkebjergvej 17,
4180 Sorø
+45 70107700
Contact person
Kemiingeniør Jacob L. Mose
E-mail
productsafety@multiline.dk
SDS date
2020-07-17
SDS Version
12.0

1.4. Emergency telephone number

Contact The National Poisons Information Service (dial 111, 24 h service). See section 4 “First aid measures”.

SECTION 2: Hazards identification

2.1. Classification of the substance or mixture

Flam. Liq. 2; H225
Eye Irrit. 2; H319
See full text of H-phrases in section 2.2.

2.2. Label elements

Hazard pictogram(s)

Signal word
Danger
Hazard statement(s)

Highly flammable liquid and vapour. (H225)
Causes serious eye irritation. (H319)

Precautionary statements

General	-
Prevention	Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking. (P210). Wear eye protection/gloves. (P280).
Response	If eye irritation persists: Get medical advice/attention. (P337+P313). In case of fire: Use water mist/carbon dioxide to extinguish. (P370+P378).
Storage	Store in a well-ventilated place. Keep cool. (P403+P235).
Disposal	Dispose of contents/container to an approved waste disposal plant. (P501).

Identity of the substances primarily responsible for the major health hazards

Not applicable

2.3. Other hazards

Not applicable

Additional labelling

Not applicable

Additional warnings

Not applicable

VOC (volatile organic compound)

Not applicable

SECTION 3: Composition/information on ingredients

3.1/3.2. Substances/Mixtures

NAME:	ethanol
IDENTIFICATION NOS.:	CAS-no: 64-17-5 EC-no: 200-578-6 REACH-no: 01-2119457610-43-00XX Index-no: 603-002-00-5
CONTENT:	60-80%
CLP CLASSIFICATION:	Flam. Liq. 2, Eye Irrit. 2 H225, H319
NOTE:	S

NAME:	propan-2-ol
IDENTIFICATION NOS.:	CAS-no: 67-63-0 EC-no: 200-661-7 Index-no: 603-117-00-0
CONTENT:	1 - <2.5%
CLP CLASSIFICATION:	Flam. Liq. 2, STOT SE 3, Eye Irrit. 2 H225, H319, H336

(*) See full text of H-phrases in section 16. Occupational exposure limits are listed in section 8, if these are available.
S = Organic solvent

Other information

Eye Cat. 2 Sum = Sum(Ci/S(G)CLi) = 1,3064 - 1,9596

Detergent:
15 - 30%: AQUA
< 5%: ISOPROPYL ALCOHOL

SECTION 4: First aid measures

4.1. Description of first aid measures

General information

In the case of accident: Contact a doctor or casualty department – take the label or this safety data sheet. The doctor can contact The National Poisons Information Service: Dial 0344 892 0111 (24 h service). Contact a doctor if in doubt about the injured person's condition or if the symptoms persist. Never give an unconscious person water or other drink.

Inhalation

Bring the person into fresh air and stay with him/her.

Skin contact

Immediately remove contaminated clothing and shoes. Ensure that skin, which has been exposed to the material, is washed thoroughly with soap and water. Skin cleanser can be used. DO NOT use solvents or thinners.

Eye contact

Remove contact lenses. Flush eyes with plenty of water or salt water (20-30°C) for at least 15 minutes and continue until irritation stops. Make sure you flush under the upper and lower eyelids. Seek medical assistance immediately and continue flushing.

Ingestion

Provide plenty of water for the person to drink and stay with him/her. In case of malaise, seek medical advice immediately and bring the safety data sheet or label from the product. Do not induce vomiting, unless recommended by the doctor. Have the victim lean forward with head down to avoid inhalation of- or choking on vomited material.

Burns

Rinse with water until the pain stops then continue to rinse for a further 30 minutes.

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

Neurotoxic effects: This product contains organic solvents, which may cause adverse effects to the nervous system. Symptoms of neurotoxicity include: loss of appetite, headache, dizziness, ringing in ears, tingling sensations of skin, sensitivity to the cold, cramps, difficulty in concentrating, tiredness, etc. Repeated exposure to solvents can result in the breaking down of the skin's natural fat layer and may result in an increased absorption potential of other hazardous substances at the area of exposure.
Irritation effects: This product contains substances, which may cause irritation upon exposure to skin, eyes or lungs. Exposure may result in an increased absorption potential of other hazardous substances at the area of exposure.

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

If eye irritation persists: Get medical advice/attention.

Information to medics

Bring this safety data sheet.

SECTION 5: Firefighting measures

5.1. Extinguishing media

Recommended: alcohol-resistant foam, carbonic acid, powder, water mist. Waterjets should not be used, since they can spread the fire.

5.2. Special hazards arising from the substance or mixture

If the product is exposed to high temperatures, e.g. in the event of fire, dangerous catabolic substances are produced. These are: Carbon oxides. Fire will result in dense black smoke. Exposure to combustion products may harm your health. Fire fighters should wear appropriate protection equipment. Closed containers, which are exposed to fire, should be cooled with water. Do not allow fire-extinguishing water to enter the sewage system and nearby surface waters.

5.3. Advice for firefighters

Wear self-contained breathing apparatus and protective clothing to prevent contact. Upon direct exposure contact The National Poisons Information Service (dial 111, 24 h service) in order to obtain further advice.

SECTION 6: Accidental release measures

6.1. Personal precautions, protective equipment and emergency procedures

Storages not yet ignited must be cooled by water mist. Remove flammable materials if conditions allow it. Ensure sufficient ventilation.

6.2. Environmental precautions

No specific requirements.

6.3. Methods and material for containment and cleaning up

Use sand, sawdust, earth, vermiculite, diatomaceous earth to contain and collect non-combustible absorbent materials and place in container for disposal, according to local regulations. To the extent possible cleaning is performed with normal cleaning agents. Avoid use of solvents.

6.4. Reference to other sections

See section on “Disposal considerations” in regard of handling of waste. See section on 'Exposure controls/personal protection' for protective measures.

SECTION 7: Handling and storage

7.1. Precautions for safe handling

Avoid static electricity. Protect electrical equipment in accordance with current standards. To divert static electricity during transmission, containers must be grounded and connected by wire with the receiving containers. Do not use spark-forming tools.
Smoking, storage of tobacco, consumption and storage of food or liquids are not allowed in the workrooms.
See section on 'Exposure controls/personal protection' for information on personal protection.

7.2. Conditions for safe storage, including any incompatibilities

Always store in containers of the same material as the original container. Containers that have been opened must be carefully resealed and kept upright to prevent leakage. Must be stored in a cool and well-ventilated area, away from possible sources of ignition.

Storage temperature

No data available.

7.3. Specific end use(s)

This product should only be used for applications quoted in section 1.2

SECTION 8: Exposure controls/personal protection

8.1. Control parameters

OEL

propan-2-ol
Long-term exposure limit (8-hour TWA reference period): 400 ppm | 999 mg/m³
Short-term exposure limit (15-minute reference period): 500 ppm | 1250 mg/m³

ethanol
Long-term exposure limit (8-hour TWA reference period): 1000 ppm | 1920 mg/m³
Short-term exposure limit (15-minute reference period): - ppm | - mg/m³

DNEL / PNEC

DNEL (ethanol): 1900 mg/m3 1000 ppm
Exposure: Inhalation
Duration of Exposure: Short term – Local effects - Workers

DNEL (ethanol): 950 mg/m3 500 ppm
Exposure: Inhalation
Duration of Exposure: Long term – Systemic effects - Workers

DNEL (ethanol): 343 mg/kg bw/day
Exposure: Dermal
Duration of Exposure: Long term – Systemic effects - Workers

DNEL (propan-2-ol): 500 mg/m3
Exposure: Inhalation
Duration of Exposure: Long term – Systemic effects - Workers
Remarks: ECHA

DNEL (propan-2-ol): 888 mg/kg bw/day
Exposure: Dermal
Duration of Exposure: Long term – Systemic effects - Workers
Remarks: ECHA

DNEL (propan-2-ol): 89 mg/m3
Exposure: Inhalation
Duration of Exposure: Long term – Systemic effects - General population
Remarks: ECHA (repeat dose)

DNEL (propan-2-ol): 26 mg/kg bw/day
Exposure: Oral
Duration of Exposure: Long term – Systemic effects - General population
Remarks: ECHA (repeat dose)

PNEC (propan-2-ol): 140,9 mg/l
Exposure: Freshwater
Duration of Exposure: Single
Remarks: ECHA (extrapolation: sensitivity distribution)

PNEC (propan-2-ol): 140,9 mg/l
Exposure: Marine water
Duration of Exposure: Single
Remarks: ECHA (extrapolation: sensitivity distribution)

PNEC (propan-2-ol): 251 mg/l
Exposure: Sewage Treatment Plant
Duration of Exposure: Single
Remarks: ECHA

PNEC (propan-2-ol): 552 mg/kg
Exposure: Freshwater sediment
Duration of Exposure: Single
Remarks: ECHA (extrapolation: equlibrium partitioning method)

PNEC (propan-2-ol): 28 mg/kg
Exposure: Soil
Duration of Exposure: Single
Remarks: ECHA (extrapolation: equlibrium partitioning method)

8.2. Exposure controls

Compliance with the accepted occupational exposure limits values should be controlled on a regular basis.

General recommendations

Observe general occupational hygiene standards.

Exposure scenarios

In the event exposure scenarios are appended to the safety data sheet, the operational conditions and risk management measures in these shall be complied with.

Exposure limits

Professional users are subjected to the legally set maximum concentrations for occupational exposure. See occupational hygiene limit values above.

Appropriate technical measures

Airborne gas and dust concentrations must be kept at a minimum and below current limit values (see above). Installation of an exhaust system if normal air flow in the work room is not sufficient is recommended. Ensure emergency eyewash and -showers are clearly marked.

Hygiene measures

In between use of the product and at the end of the working day all exposed areas of the body must be washed thoroughly. Always wash hands, forearms and face.

Measures to avoid environmental exposure

No specific requirements.

Individual protection measures, such as personal protective equipment

Generally

Use only CE marked protective equipment.

Respiratory Equipment

If ventilation at the work place is insufficient, use a half- or full mask with an appropriate filter or an air-supplied breathing apparatus depending on the specific work situation and how long you will be using the product.

Skin protection

No special when used as intended.

Hand protection

Nitrile rubber
Material thickness: 0,38 mm.
Breakthrough time: > 240 minutes (Class 5)

Eye protection

In the likelihood of direct or incidental exposure, use face protection.

SECTION 9: Physical and chemical properties

9.1. Information on basic physical and chemical properties

Form	Liquid
Colour	Clear
Odour	Alcohol odor
Odour threshold (ppm)	No data available.
pH	ca. 7,0
Viscosity (40°C)	No data available.
Density (g/cm³)	0,85
Phase changes	
Melting point (°C)	No data available.
Boiling point (°C)	85
Vapour pressure	No data available.
Decomposition temperature (°C)	No data available.

Evaporation rate (n-butylacetate = 100)	No data available.
Data on fire and explosion hazards	
Flash point (°C)	21
Ignition (°C)	No data available.
Auto flammability (°C)	No data available.
Explosion limits (% v/v)	No data available.
Explosive properties	No data available.
Solubility	
Solubility in water	Soluble
n-octanol/water coefficient	No data available.
9.2. Other information	
Solubility in fat (g/L)	No data available.

SECTION 10: Stability and reactivity

10.1. Reactivity
No data available

10.2. Chemical stability
The product is stable under the conditions, noted in the section “Handling and storage”.

10.3. Possibility of hazardous reactions
Nothing special

10.4. Conditions to avoid
Avoid static electricity. Do not expose to any forms of heat (e.g. solar radiation). May lead to excess pressure.

10.5. Incompatible materials
Strong acids, strong bases, strong oxidizing agents, and strong reducing agents.

10.6. Hazardous decomposition products
The product is not degraded when used as specified in section 1.

SECTION 11: Toxicological information

11.1. Information on toxicological effects

Acute toxicity
Substance: propan-2-ol
Species: Rat
Test: LD50
Route of exposure: Oral
Result: 4570 mg/kg

Substance: propan-2-ol
Species: Rabbit
Test: LD50
Route of exposure: Dermal
Result: 13400 mg/kg

Substance: ethanol
Species: Rat
Test: LC50
Route of exposure: Inhalation
Result: 20000 ppm

Substance: ethanol
Species: Rat
Test: LC50
Route of exposure: Oral
Result: 14400 mg/kg

Substance: ethanol
Species: Rat
Test: LD50
Route of exposure: Oral
Result: 7000 mg/kg

Substance: ethanol
Species: Dog
Test: LD lo
Route of exposure: Oral
Result: 5500 mg/kg

Skin corrosion/irritation
No data available.
Serious eye damage/irritation
Causes serious eye irritation.
Respiratory or skin sensitisation
No data available.
Germ cell mutagenicity
Data on substance: propan-2-ol
No adverse effect observed.

Data on substance: ethanol
No adverse effect observed.
Carcinogenicity
Data on substance: propan-2-ol
No adverse effect observed.

Data on substance: ethanol
No adverse effect observed.
Reproductive toxicity
Data on substance: propan-2-ol
No adverse effect observed.

Data on substance: ethanol
No adverse effect observed.
STOT-single exposure
No data available.
STOT-repeated exposure
No data available.
Aspiration hazard
Data on substance: propan-2-ol
Long term effects
Neurotoxic effects: This product contains organic solvents, which may cause adverse effects to the nervous system. Symptoms of neurotoxicity include: loss of appetite, headache, dizziness, ringing in ears, tingling sensations of skin, sensitivity to the cold, cramps, difficulty in concentrating, tiredness, etc. Repeated exposure to solvents can result in the breaking down of the skin's natural fat layer and may result in an increased absorption potential of other hazardous substances at the area of exposure.
Irritation effects: This product contains substances, which may cause irritation upon exposure to skin, eyes or lungs. Exposure may result in an increased absorption potential of other hazardous substances at the area of exposure.

SECTION 12: Ecological information

12.1. Toxicity

Substance: propan-2-ol
Species: Fish
Test: LC50
Duration: 96 h
Result: 9640-10000 mg/l

Substance: propan-2-ol
Species: Algae
Test: EC10
Duration: 72 h
Result: 1800 mg/l

Substance: propan-2-ol
Species: Daphnia
Test: LC50
Duration: 24 h
Result: 9714-10000 mg/l

Substance: ethanol
Species: Algae
Test: IC50
Duration: 7 d
Result: 5000 mg /l

Substance: ethanol

Species: Fish
Test: LC50
Duration: 96 h
Result: 13480 mg/l

Substance: ethanol
Species: Daphnia
Test: EC50
Duration: 48 h
Result: 5400 mg/l

12.2. Persistence and degradability

Substance	Biodegradability	Test	Result
propan-2-ol	Yes	Modified OECD Screening Test	95%
ethanol	Yes	Modified OECD Screening Test	94%

12.3. Bioaccumulative potential

Substance	Potential bioaccumulation	LogPow	BCF
propan-2-ol	No	0,05	No data available
ethanol	No	No data available	0,66

12.4. Mobility in soil

propan-2-ol: Log Koc= 0,117995, Calculated from LogPow (High mobility potential.).

12.5. Results of PBT and vPvB assessment

This mixture/product does not contain any substances considered to meet the criteria classifying them as PBT and/or vPvB.

12.6. Other adverse effects

Nothing special

SECTION 13: Disposal considerations

13.1. Waste treatment methods

Product is covered by the regulations on hazardous waste.

Waste

EWC code

20 01 29* detergents containing dangerous substances

Specific labelling

Not applicable

Contaminated packing

Contaminated packaging must be disposed of similarly to the product.

SECTION 14: Transport information

14.1 – 14.4

This product is within scope of the regulations of transport of dangerous goods.

ADR/RID

14.1. UN number	1987
14.2. UN proper shipping name	ALCOHOLS, N.O.S.
14.3. Transport hazard class(es)	3
14.4. Packing group	II
Notes	-
Tunnel restriction code	-

IMDG

UN-no.	1987
Proper Shipping Name	ALCOHOLS, N.O.S.(Ethanol)
Class	3
PG*	II
EmS	F-E, S-D
MP**	No
Hazardous constituent	-

IATA/ICAO

UN-no.	1987
Proper Shipping Name	ALCOHOLS, N.O.S.(Ethanol)
Class	3
PG*	II

14.5. Environmental hazards

-

14.6. Special precautions for user

-

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

No data available

(*) Packing group
(**) Marine pollutant

SECTION 15: Regulatory information

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

Restrictions for application

Pregnant women and women breastfeeding must not be exposed to this product. The risk, and possible technical precautions or design of the workplace needed to eliminate exposure, must be considered.

Demands for specific education

-

Additional information

The surfactant(s) contained in this preparation complies(comply) with the biodegradability criteria as laid down in Regulation (EC) No.648/2004 on detergents. Data to support this assertion are held at the disposal of the competent authorities of the Member States and will be made available to them, at their direct request or at the request of a detergent manufacturer.

Seveso

Seveso III Part 1: P5c

Sources

Regulation (EU) No 528/2012 of the European Parliament and of the Council of 22 May 2012 concerning the making available on the market and use of biocidal products.
The Control of Substances Hazardous to Health Regulations 2002. SI 2002/2677. The Stationery Office, 2002.
Regulation (EC) No 648/2004 of the European Parliament and of the Council of 31 March 2004 on detergents.
Regulation (EC) No 1272/2008 of the European Parliament and of the Council of 16 December 2008 on classification, labelling and packaging of substances and mixtures, amending and repealing Directives 67/548/EEC and 1999/45/EC, and amending Regulation (EC) No 1907/2006 (CLP).
Regulation (EC) 1907/2006 (REACH).
The Control of Major Accident Hazards (COMAH) Regulations 2015.

15.2. Chemical safety assessment

No data available

SECTION 16: Other information

Full text of H-phrases as mentioned in section 3

H225 - Highly flammable liquid and vapour.
H319 - Causes serious eye irritation.
H336 - May cause drowsiness or dizziness.

The full text of identified uses as mentioned in section 1

PC8 = Biocidal Products (e.g. Disinfectants, pest control)
PROC 10 = Roller application or brushing
SU 22 = Professional uses: Public domain (administration, education, entertainment, services, craftsmen)
ERC8a = Wide dispersive indoor use of processing aids in open systems

Additional label elements

Not applicable

Other

In accordance with Regulation (EC) No. 1272/2008 (CLP) the evaluation of the classification of the mixture is based on:
The classification of the mixture in regard of physical hazards has been based on experimental data.
The classification of the mixture in regard of health hazards are in accordance with the calculation methods given by Regulation (EC) No. 1272/2008 (CLP)
It is recommended to hand over this safety data sheet to the actual user of the product. Information in this

safety data sheet cannot be used as a product specification.
The information in this safety data sheet applies only to this specific product (mentioned in section 1) and is not necessarily correct for use with other chemicals/products.
A change (in proportion to the last essential change (first cipher in SDS version, see section 1)) is marked with a blue triangle.

The safety data sheet is validated by

Lisbet Tetsche

Date of last essential change
(First cipher in SDS version)

2020-07-14(12.0)

Date of last minor change
(Last cipher in SDS version)

2020-07-14