

SAFETY DATA SHEET

PRF KäsiDESI

The safety data sheet is in accordance with Commission Regulation (EU) 2015/830 of 28 May 2015 amending Regulation (EC) No 1907/2006 of the European Parliament and of the Council on the Registration, Evaluation, Authorisation and Restriction of Chemicals (REACH)

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

Date issued 24.03.2020

1.1. Product identifier

Product name PRF KäsiDESI

Extended SDS with ES incorporated No

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

Use of the substance / preparation Disinfectant for hands.

Main intended use PP-BIO-1 Biocidal products for human hygiene

1.3. Details of the supplier of the safety data sheet

Company name Taerosol Oy

Postal address Hampuntie 21

Postcode 36220

City Kangasala

Country Finland

Telephone number +358 33565600

Website www.taerosol.com

Enterprise No. 02847686

1.4. Emergency telephone number

Emergency telephone Telephone number: Myrkytystietokeskus/Finnish Poison Information Center.
Open 24 hours a day.
0800 147 111 (the call is free of charge), 09 471 977.

SECTION 2: Hazards identification

2.1. Classification of the substance or mixture

Classification according to Regulation (EC) No 1272/2008 [CLP / GHS]	Flam. Liq. 3; H226
	Eye Irrit. 2; H319
	STOT SE 3; H336

2.2. Label elements

Hazard pictograms (CLP)



Composition on the label	Propan-2-ol; Isopropyl alcohol; Isopropanol 70 %
Signal word	Danger
Hazard statements	H226 Flammable liquid and vapour. H319 Causes serious eye irritation. H336 May cause drowsiness or dizziness.
Precautionary statements	P210 Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking. P261 Avoid breathing vapours/spray. P305+P351+P338 IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. P102 Keep out of reach of children.

2.3. Other hazards

Other hazards	Volatile. Vapors may form explosive mixture with air.
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SECTION 3: Composition / information on ingredients

3.2. Mixtures

Substance	Identification	Classification	Contents	Notes
Propan-2-ol; Isopropyl alcohol; Isopropanol	CAS No.: 67-63-0 EC No.: 200-661-7	Flam. Liq. 2; H225 Eye Irrit. 2; H319 STOT SE 3; H336	70 %	

SECTION 4: First aid measures

4.1. Description of first aid measures

Inhalation	If product is inhaled, remove patient to fresh air.
Skin contact	Get medical attention if symptoms occur.
Eye contact	In case of eye contact, remove contact lens and rinse immediately with plenty of water, also under the eyelids, for at least 15 minutes.
Ingestion	Do NOT induce vomiting without the consent of your physician or Poison Control Center.

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

General symptoms and effects	Causes serious eye irritation. ATTENTION! - MAY CAUSE RESPIRATORY IRRITATION. Vapors may cause drowsiness and dizziness.
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4.3. Indication of any immediate medical attention and special treatment needed

Medical treatment	Your doctor should contact the Poison Information Center for expert advice.
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SECTION 5: Firefighting measures

5.1. Extinguishing media

Suitable extinguishing media	Water , Alcohol-resistant foam , Dry powder , Carbon dioxide (CO2)
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5.2. Special hazards arising from the substance or mixture

Fire and explosion hazards	Explosive reaction may occur on heating or burning.
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5.3. Advice for firefighters

Other information	Immediately evacuate personnel to safe areas.
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SECTION 6: Accidental release measures

6.1. Personal precautions, protective equipment and emergency procedures

General measures	Prevent unauthorised persons entering the zone.
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6.2. Environmental precautions

Environmental precautionary measures	Prevent product from entering drains.
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6.3. Methods and material for containment and cleaning up

Other information	Contain and collect spillage with non-combustible absorbent material (eg sand, earth, diatomaceous earth, vermiculite) and place in container for disposal according to local and national regulations (see section 13).
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6.4. Reference to other sections

SECTION 7: Handling and storage

7.1. Precautions for safe handling

Handling	Keep in a dry, cool and well-ventilated place. No sparking tools should be used. Don't spray on a naked flame or any incandescent material. Don't smoke. Don't store near combustible materials. Take precautionary measures against static discharges. Prevent vapor buildup by providing adequate ventilation during and after use. Do not use in areas without adequate ventilation.
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7.2. Conditions for safe storage, including any incompatibilities

Storage	Keep container tightly closed in a dry, cool and well-ventilated place. Don't store near combustible materials.
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7.3. Specific end use(s)

Specific use(s) None known.

SECTION 8: Exposure controls / personal protection

8.1. Control parameters

Substance	Identification	Exposure limits	TWA Year
Propan-2-ol; Isopropyl alcohol; Isopropanol	CAS No.: 67-63-0	Limit value (8 h) : 200 ppm Limit value (short term) Value: 250 ppm Limit value (8 h) : 500 mg/m ³ Limit value (short term) Value: 620 mg/m ³	

8.2. Exposure controls

Eye / face protection

Required Properties Wear suitable gloves and eye/face protection.

Hand protection

Required properties for hand protection Wear suitable gloves and eye/face protection.

Skin protection

Skin protection remark Wear suitable gloves and eye/face protection.

Respiratory protection

Respiratory protection, comments Avoid breathing fumes. Provide adequate ventilation. Wear suitable respiratory protection if ventilation is inadequate.

SECTION 9: Physical and chemical properties

9.1. Information on basic physical and chemical properties

Physical state	Liquid
Odour	alcohol-like
Odour limit	Reason for waiving data: No data.
Melting point / melting range	Value: - 88 °C Comments: Isopropanol
Boiling point / boiling range	Value: 82 °C Comments: 1 atm Isopropanol
Flash point	Value: 13 °C Comments: Isopropanol
Evaporation rate	Value: 1,5

	Test reference: n-BuAc = 1 Comments: Isopropanol
Flammability (solid, gas)	Flammable.
Lower explosion limit with unit of measurement	Value: 2 % Comments: Isopropanol
Upper explosion limit with units of measurement	Value: 13,5 % Comments: Isopropanol
Vapour pressure	Value: 4,4 kPa Comments: Isopropanol Temperature: 20 °C
Vapour density	Value: 2,1 Comments: Isopropanol Reference gas: Ilma = 1
Relative density	Value: 0,79 - 0,80 Comments: Isopropanol Temperature: 20 °C
Solubility	Medium: Water Value: 100 % Comments: Isopropanol
Partition coefficient: n-octanol/ water	Value: 0,05 - 0,29 Comments: Isopropanol
Spontaneous combustability	Reason for waiving data: No data.
Decomposition temperature	Reason for waiving data: No data.
Viscosity	Value: 2,43 mPa.s Test reference: ASTM D445 Comments: Isopropanol Temperature: 20 °C
Explosive properties	Not considered explosive. Vapors may form explosive mixture with air.
Oxidising properties	No data.

9.2. Other information

Other physical and chemical properties

Physical and chemical properties Volatile.

SECTION 10: Stability and reactivity

10.1. Reactivity

Reactivity Keep away from heat and open flames. Keep away from sources of ignition - No smoking.

10.2. Chemical stability

Stability Stable under normal conditions.

10.3. Possibility of hazardous reactions

Possibility of hazardous reactions	None known.
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10.4. Conditions to avoid

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

Materials to avoid	Keep away from oxidizing agents, strongly acidic and basic materials in order to avoid exothermic reactions.
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10.6. Hazardous decomposition products

Hazardous decomposition products	None known.
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SECTION 11: Toxicological information

11.1. Information on toxicological effects

Other information regarding health hazards

Assessment of acute toxicity, classification	LD50/oral/rat = >2000mg/kg
	LD50/dermal/rabbit = >2000mg/kg
	LC50/inhalation/8h/rat = >20mg/l (isopropanol)

Symptoms of exposure

In case of inhalation	Inhalation of high vapor concentrations may cause symptoms such as headache, dizziness, fatigue, nausea and vomiting.
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SECTION 12: Ecological information

12.1. Toxicity

Ecotoxicity	Not determined.
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12.2. Persistence and degradability

Persistence and degradability description/evaluation	This mixture does not contain substances which are considered to be persistent, bioaccumulative and toxic (PBT) or very persistent and very bioaccumulative (vPvB).
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12.3. Bioaccumulative potential

Bioaccumulation, evaluation	This mixture does not contain substances which are considered to be persistent, bioaccumulative and toxic (PBT) or very persistent and very bioaccumulative (vPvB).
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12.4. Mobility in soil

Mobility	Not determined.
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12.5. Results of PBT and vPvB assessment

Results of PBT and vPvB assessment	This mixture does not contain substances which are considered to be persistent, bioaccumulative and toxic (PBT) or very persistent and very bioaccumulative (vPvB).
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12.6. Other adverse effects

Additional ecological information	Not determined.
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SECTION 13: Disposal considerations

13.1. Waste treatment methods

Appropriate methods of disposal for the chemical	Waste must be disposed of to an approved waste disposal facility.
Appropriate methods of disposal for the contaminated packaging	Completely emptied containers that do not contain droplets or other debris can be treated as industrial waste and possibly recycled.

SECTION 14: Transport information

14.1. UN number

ADR/RID/ADN	1987
IMDG	1987
ICAO/IATA	1987

14.2. UN proper shipping name

Proper shipping name English ADR/RID/ADN	ALCOHOLS, N.O.S.
ADR/RID/ADN	ALCOHOLS, N.O.S.
IMDG	ALCOHOLS, N.O.S.
ICAO/IATA	ALCOHOLS, N.O.S.

14.3. Transport hazard class(es)

ADR/RID/ADN	3
Classification code ADR/RID/ADN	F1
IMDG	3
ICAO/IATA	3

14.4. Packing group

ADR/RID/ADN	III
IMDG	III

ICAO/IATA	III
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14.5. Environmental hazards

ADR/RID/ADN	III
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14.6. Special precautions for user

Special safety precautions for user	Not determined.
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14.7. Transport in bulk according to Annex II of Marpol and the IBC Code

Product name	ALCOHOLS, N.O.S.
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Additional information

Hazard label ADR/RID/ADN	3
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Hazard label IMDG	3
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Hazard label ICAO/IATA	3
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ADR/RID Other information

Tunnel restriction code	D/E
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Transport category	3
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Hazard No.	30
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IMDG Other information

EmS	F-E, S-D
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SECTION 15: Regulatory information

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

Biocides	Yes
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15.2. Chemical safety assessment

Chemical safety assessment performed	No
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SECTION 16: Other information

List of relevant H-phrases (Section 2 and 3)	H225 Highly flammable liquid and vapour. H226 Flammable liquid and vapour. H319 Causes serious eye irritation. H336 May cause drowsiness or dizziness.
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Version	1
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