

PRF Desispray

Date 17.8.2015

Previous date: 30.4.2015

1. IDENTIFICATION OF THE SUBSTANCE/MIXTURE AND OF THE COMPANY/UNDERTAKING**1.1 Product identifier****1.1.1 Commercial Product Name**

PRF Desispray

1.1.2 Product code

PIDES22

1.2 Relevant identified uses of the substance or mixture and uses advised against**1.2.1 Recommended use**

Disinfectants

1.3 Details of the supplier of the safety data sheet**1.3.1 Supplier**

Taerosol Oy

Street address

Hampuntie 21

Postcode and post office

36220

Postcode and post office

Kangasala Finland

Telephone

03-3565600

Email

heikki.jalava@taerosol.com

1.4 Emergency telephone number**1.4.1 Telephone number, name and address**09-471 977 tai 09-4711 Myrkytystietokeskus / HUS
PL 340 (Haartmaninkatu 4), 00029 HUS (Helsinki)**2. HAZARDS IDENTIFICATION****2.1 Classification of the substance or mixture****1272/2008 (CLP)**

Flam. Aerosol 1, H222

Flam. Aerosol 1, H229

Eye Irrit. 2, H319

67/548/EEC - 1999/45/EC

Xi, F+; R12-67-11-36

2.2 Label elements**1272/2008 (CLP)**

GHS07 - GHS02

Signal word

Danger**Hazard Statements**

H222 Extremely flammable aerosol.

H229 Pressurised container: May burst if heated.

H319 Causes serious eye irritation.

Precautionary Statements

P102 Keep out of reach of children.

P210 Keep away from heat/sparks/open flames/hot surfaces. - No smoking.

P211 Do not spray on an open flame or other ignition source.

P251 Pressurized container: Do not pierce or burn, even after use.

P262 Do not get in eyes, on skin, or on clothing.

P410+P412 Protect from sunlight. Do not expose to temperatures exceeding 50 °C/ 122 °F.

2.3 Other hazards

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3. COMPOSITION/INFORMATION ON INGREDIENTS**3.2 Mixtures****Hazardous components**

CAS/EC and Reg. number	Chemical name of the substance	Concentration	Classification
67-63-0 200-661-7	1-Propanoli [1], propaan-1-oli	60-70%	F; R11;Xi; R36;R67 ;Flam. Liq. 2, H225; Eye Irrit. 2, H319; STOT SE 3, H336
106-97-8 200-857-2	butan	10-20%	F+; R12 ;Flam. Gas 1, H220; Press. Gas
74-98-6 200-827-9	propan	10-20%	F+; R12 ;Flam. Gas 1, H220; Press. Gas
9002-98-6	Atsiridiini,homopolymeeri	<0,1%	N, R51/53, Xn;R22 Acute Tox. 3; Aquatic Chronic 2; H301, H411
81-07-2	1,2-bentsisotiatsol-3(2h)-oni-1,1-dioksidi	<0,01%	-
7783-90-6	Hopeakloridi	<0,01%	N;R50/53 H411

3.3 Other information

not determined

4. FIRST AID MEASURES**4.1 Description of first aid measures**

In the case of inhalation of aerosol/mist consult a physician if necessary. Rinse immediately with plenty of water, also under the eyelids.

4.1.2 Inhalation

In the case of inhalation of aerosol/mist consult a physician if necessary.

4.1.3 Skin contact

Get medical attention if symptoms occur.

4.1.4 Eye contact

Immediately flush eye(s) with plenty of water.

4.1.5 Ingestion

If swallowed, call a poison control centre or doctor immediately.

4.2 Most important symptoms and effects, both acute and delayed

not determined

4.3 Indication of immediate medical attention and special treatment needed

not determined

5. FIREFIGHTING MEASURES**5.1 Extinguishing media****5.1.1 Suitable extinguishing media**

Alcohol-resistant foam ABC powder

5.1.2 Extinguishing media which must not be used for safety reasons

Do NOT use water jet.

5.2 Special hazards arising from the substance or mixture

Explosive reaction may occur on heating or burning.

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5.3 Advice for firefighters

Alcohol-resistant foam

5.4 Specific methods

Immediately evacuate personnel to safe areas.

6. ACCIDENTAL RELEASE MEASURES**6.1 Personal precautions, protective equipment and emergency procedures**

Prevent unauthorised persons entering the zone. Prevent unauthorised persons entering the zone. Pay attention to the spreading of gases especially at ground level (heavier than air) and to the direction of the wind.

6.2 Environmental precautions

Prevent product from entering drains.

6.3 Methods and materials for containment and cleaning up

not determined

6.4 Reference to other sections

not determined

7. HANDLING AND STORAGE**7.1 Precautions for safe handling**

Do not use in areas without adequate ventilation. No sparking tools should be used. Do not taste or swallow. Do not spray on a naked flame or any incandescent material. Do not smoke. Do not empty into drains. Do not store near combustible materials. Take precautionary measures against static discharges. Prevent vapour buildup by providing adequate ventilation during and after use.

7.2 Conditions for safe storage, including any incompatibilities

Do not store near combustible materials. Storage of flammable liquids

7.3 Specific end use(s)

not determined

8. EXPOSURE CONTROLS/PERSONAL PROTECTION**8.1 Control parameters**

not determined

8.1.1 Threshold limits

106-97-8	Butaani	800 ppm (8 h)	1000 ppm (15 min)
		1900 mg/m ³ (8 h)	2350 mg/m ³ (15 min)
74-98-6	propan	800 ppm (8 h)	1100 ppm (15 min)
		1500 mg/m ³ (8 h)	2000 mg/m ³ (15 min)
67-63-0	1-Propanoli [1], propaan-1-oli	200 ppm (8 h)	250 ppm (15 min)
		500 mg/m ³ (8 h)	620 mg/m ³ (15 min)

8.1.2 Other information on limit values

not determined

8.1.3 Limit values in other countries

not determined

8.1.4 DNELs

not determined

8.1.5 PNECs

not determined

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- 8.2 Exposure controls**
- 8.2.1 Appropriate engineering controls**
not determined
- 8.2.2 Individual protection measures**
- 8.2.2.1 Respiratory protection**
Provide adequate ventilation. Do not inhale aerosol. Even in case of a full release, due to the small amount of substances present, it is not expected that exposure limits will be reached.
- 8.2.2.2 Hand protection**
It is good practice in industrial hygiene to avoid contact with solvents by using appropriate protective measures whenever possible.
- 8.2.2.3 Eye/face protection**
Avoid contact with the skin and the eyes.
- 8.2.2.4 Skin protection**
Avoid contact with the skin and the eyes.
- 8.2.3 Environmental exposure controls**
not determined

9. PHYSICAL AND CHEMICAL PROPERTIES

- 9.1 Important Health Safety and Environmental Information**
- 9.1.1 Appearance**
aerosol
- 9.1.2 Odour** eucalyptus
- 9.1.3 Odour threshold** not determined
- 9.1.4 pH** 7
- 9.1.5 Melting point/freezing point** not determined
- 9.1.6 Initial boiling point and boiling range** -20 °C (
- 9.1.7 Flash point** < 0 °C
- 9.1.8 Evaporation rate** not determined
- 9.1.9 Flammability (solid, gas)** Extremely flammable.
- 9.1.10 Explosive properties**
- 9.1.10.1 Lower explosion limit** 2,3 til-%
- 9.1.10.2 Upper explosion limit** 9,5 til-%
- 9.1.11 Vapour pressure** not determined
- 9.1.12 Vapour density** not determined
- 9.1.13 Relative density** not determined
- 9.1.14 Solubility(ies)**
- 9.1.14.1 Water solubility** soluble
- 9.1.14.2 Fat solubility (solvent - oil to be specified)** Soluble in hydrocarbons
- 9.1.15 Partition coefficient: n-octanol/water** not determined
- 9.1.16 Auto-ignition temperature** not determined
- 9.1.17 Decomposition temperature** not determined
- 9.1.18 Viscosity** not determined
- 9.1.19 Explosive properties** not determined
- 9.1.20 Oxidising properties** not determined
- 9.2 Other information**
not determined

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10. STABILITY AND REACTIVITY

- 10.1 Reactivity**
not determined
- 10.2 Chemical stability**
not determined
- 10.3 Possibility of hazardous reactions**
not determined
- 10.4 Conditions to avoid**
Pressurized container. Protect from sunlight and do not expose to temperatures exceeding 50 °C.
- 10.5 Incompatible materials**
not determined
- 10.6 Hazardous decomposition products**
not determined

11. TOXICOLOGICAL INFORMATION

- 11.1 Information on toxicological effects**
- 11.1.1 Acute toxicity**
LD50/oral/rat =16750 OECD Test Guideline 401
LC50/inhalation/ 4 h/rat =259000mg/m³OECD Test Guideline 403
LD50/dermal/rabbit =3350mg/kgOECD Test Guideline 402
- 11.1.2 Irritation and corrosion**
Solvents may degrease the skin. Prolonged skin contact may cause skin irritation.
- 11.1.3 Sensitisation**
not determined
- 11.1.4 Subacute, subchronic and prolonged toxicity**
not determined
- 11.1.5 STOT-single exposure**
Severe eye irritation

12. ECOLOGICAL INFORMATION

- 12.1 Toxicity**
- 12.1.1 Aquatic toxicity**
not determined
- 12.1.2 Toxicity to other organisms**
not determined
- 12.2 Persistence and degradability**
- 12.2.1 Biodegradation**
Bioaccumulation is unlikely.
- 12.2.2 Chemical degradation**
Readily biodegradable, according to appropriate OECD test.
- 12.3 Bioaccumulative potential**
Bioaccumulation is unlikely.
- 12.4 Mobility in soil**
not determined
- 12.5 Results of PBT and vPvB assessment**
not determined

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12.6 Other adverse effects
not determined

13. DISPOSAL CONSIDERATIONS

- 13.1 Waste treatment methods**
Do not burn, or use a cutting torch on, the empty drum. Dispose of in accordance with local regulations.
- 13.2 Waste from residues / unused products**
not determined

14. TRANSPORT INFORMATION

- 14.1 UN number** 1950
- 14.2 UN proper shipping name** Aerosols
- 14.3 Transport hazard class(es)** 2.1
- 14.4 Packing group** 2
- 14.5 Environmental hazards** not determined
- 14.6 Special precautions for users**
not determined
- 14.7 Transport in bulk according to Annex II of MARPOL 73/78 and the IBC Code**
not determined

15. REGULATORY INFORMATION

- 15.1 Safety, health and environmental regulations/legislation specific for the substance or mixture**
2B - Aerosols
- 15.2 Chemical safety assessment**
not determined

16. OTHER INFORMATION

- 16.1 Additions, Deletions, Revisions**
The product is classified as dangerous in accordance with Regulation (EC) No. 1272/2008.
- 16.5 List of relevant R phrases, hazard statements, safety phrases and/or precautionary statements**
- | | |
|-----|---|
| R12 | Extremely flammable. |
| R22 | Harmful if swallowed. |
| R36 | Irritating to eyes. |
| R67 | Vapours may cause drowsiness and dizziness. |
- 16.8 Additional information available from:**
tilaukset(at)taerosol.com