

PRF Desispray

Date 24.9.2013

Previous date: 24.9.2013

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

PRF Desispray

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

tarmo.dahlman@taerosol.com

1.4 Emergency telephone number**2. HAZARDS IDENTIFICATION****2.1 Classification of the substance or mixture****1272/2008 (CLP)**

Flam. Aerosol 1, H222

H302

Eye Irrit. 2, H319

STOT SE 3, H336

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.

H302

Harmful if swallowed.

H319

Causes serious eye irritation.

H336

May cause drowsiness or dizziness.

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****3. COMPOSITION/INFORMATION ON INGREDIENTS****3.2 Mixtures****Hazardous components****CAS/EC and Reg.
number****Chemical name of the
substance****Concentration Classification**

PRF Desispray

Date 24.9.2013

Previous date: 24.9.2013

67-63-0	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 200-661-7
106-97-8	butan	10-20%	F+; R12 ;Flam. Gas 1, H220; Press. Gas 200-857-2
74-98-6	propan	10-20%	F+; R12 ;Flam. Gas 1, H220; Press. Gas 200-827-9
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

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**4.3 Indication of immediate medical attention and special treatment needed**

-

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

Alcohol-resistant foam

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.

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**

PRF Desispray

Date 24.9.2013

Previous date: 24.9.2013

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

-

6.4 Reference to other sections

-

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)

-

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

-

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

-

8.1.3 Limit values in other countries

-

8.1.4 DNELs

-

8.1.5 PNECs

-

8.2 Exposure controls**8.2.1 Appropriate engineering controls**

-

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.

PRF Desispray

Date 24.9.2013

Previous date: 24.9.2013

- 8.2.2.4 Skin protection**
Avoid contact with the skin and the eyes.
- 8.2.3 Environmental exposure controls**
-

9. PHYSICAL AND CHEMICAL PROPERTIES

- 9.1 Important Health Safety and Environmental Information**
- 9.1.1 Appearance**
aerosol
- 9.1.4 pH** 7
- 9.1.6 Initial boiling point and boiling range** -20 °C (
- 9.1.7 Flash point** < 0 °C
- 9.1.8 Evaporation rate** -
- 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** -
- 9.1.12 Vapour density** -
- 9.1.13 Relative density** -
- 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** -
- 9.1.18 Viscosity** -
- 9.1.20 Oxidising properties** -
- 9.2 Other information**
-

10. STABILITY AND REACTIVITY

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

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

PRF Desispray

Date 24.9.2013

Previous date: 24.9.2013

- 11.1.2 Irritation and corrosion**
Solvents may degrease the skin. Prolonged skin contact may cause skin irritation.
- 11.1.3 Sensitisation**
-
- 11.1.4 Subacute, subchronic and prolonged toxicity**
-
- 11.1.5 STOT-single exposure**
-
- 11.1.8 Other information on acute toxicity**
-

12. ECOLOGICAL INFORMATION

- 12.1 Toxicity**
- 12.1.1 Aquatic toxicity**
-
- 12.1.2 Toxicity to other organisms**
-
- 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**
-
- 12.5 Results of PBT and vPvB assessment**
-
- 12.6 Other adverse effects**
-

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**
-

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**
- 14.6 Special precautions for users**
- 14.7 Transport in bulk according to Annex II of MARPOL 73/78 and the IBC Code**

15. REGULATORY INFORMATION

PRF Desispray

Date 24.9.2013

Previous date: 24.9.2013

- 15.1 Safety, health and environmental regulations/legislation specific for the substance or mixture**
2B - Aerosols
- 15.2 Chemical safety assessment**
-

16. OTHER INFORMATION

- 16.1 Additions, Deletions, Revisions**
The product is classified as dangerous in accordance with Regulation (EC) No. 1272/2008.
- 16.3 Key literature references and sources for data**
-
- 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.
- 16.6 Training advice**
-
- 16.7 Recommended restrictions**
-
- 16.8 Additional information available from:**
www.taerosol.com