

PRF Booster

Date 14.8.2015

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 Booster

1.1.2 Product code

PEBOOS52

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

Cleaning agent

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

67/548/EEC - 1999/45/EC

F+; R12

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

GHS02

Signal word

Danger**Hazard Statements**

H222

Extremely flammable aerosol.

H229

Pressurised container: May burst if heated.

Precautionary Statements

P251

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

P210

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

P211

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

P102

Keep out of reach of children.

P410+P412

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

2.3 Other hazards

-

**3. COMPOSITION/INFORMATION ON INGREDIENTS****3.1 Substances**

-

PRF Booster

Date 14.8.2015

Previous date: 30.4.2015

CAS/EC and Reg. number	Chemical name of the substance	Concentration	Classification
74-98-6 200-827-9	propan	5-10%	F+; R12 ;Flam. Gas 1, H220; Press. Gas
106-97-8 200-857-2	butan	5-10%	F+; R12 ;Flam. Gas 1, H220; Press. Gas
67-63-0 200-661-7	propan-2-ol	1-5%	F; R11; Xi; R36; R67 ;Flam. Liq. 2, H225; Eye Irrit. 2, H319; STOT SE 3, H336
111-76-2 203-905-0	2-butoxyethanol	1-5%	Xn; R20/21/22; Xi; R36/38 ;Acute Tox. 4 (), H332; Acute Tox. 4 (), H312; Acute Tox. 4 (), H302; Eye Irrit. 2, H319; Skin Irrit. 2, H315
6381-92-6	EDTA	0,3-0,5%	Xn, R22 H302

3.3 Other information
not determined

4. FIRST AID MEASURES

- 4.1 Description of first aid measures**
When symptoms persist or in all cases of doubt seek medical advice. Liquid product causes severe burns, irritation of the digestive system and badly healing sores.
- 4.1.2 Inhalation**
In the case of inhalation of aerosol/mist consult a physician if necessary.
- 4.1.3 Skin contact**
not determined
- 4.1.4 Eye contact**
Flush eyes with water as a precaution.
- 4.1.5 Ingestion**
Harmful if swallowed.
- 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**
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**
Heating may cause an explosion.
- 5.3 Advice for firefighters**
Heating may cause an explosion.
- 5.4 Specific methods**
not determined

PRF Booster

Date 14.8.2015

Previous date: 30.4.2015

6. ACCIDENTAL RELEASE MEASURES

- 6.1 Personal precautions, protective equipment and emergency procedures**
Immediately evacuate personnel to safe areas.
- 6.2 Environmental precautions**
No special environmental precautions required.
- 6.3 Methods and materials for containment and cleaning up**
Not relevant for the product itself.
- 6.4 Reference to other sections**
not determined

7. HANDLING AND STORAGE

- 7.1 Precautions for safe handling**
Keep in a well-ventilated place. Keep away from heat and sources of ignition.
- 7.2 Conditions for safe storage, including any incompatibilities**
Keep product and empty container away from heat and sources of ignition.
- 7.3 Specific end use(s)**
not determined

8. EXPOSURE CONTROLS/PERSONAL PROTECTION

- 8.1 Control parameters**
not determined
- 8.1.1 Threshold limits**
- | | | | |
|----------|--------|------------------------------|---------------------------------|
| 74-98-6 | propan | 1000 ppm (8 h) | 1100 ppm (15 min) |
| | | 4240 mg/m ³ (8 h) | 2000 mg/m ³ (15 min) |
| 106-97-8 | butan | | |
- 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
- 8.2 Exposure controls**
- 8.2.1 Appropriate engineering controls**
not determined
- 8.2.2 Individual protection measures**
- 8.2.2.1 Respiratory protection**
not required under normal use
- 8.2.2.2 Hand protection**
For prolonged or repeated contact use protective gloves.
- 8.2.2.3 Eye/face protection**
Suojalasit, jos roiskeet mahdollisia.
- 8.2.2.4 Skin protection**
Wear suitable gloves and eye/face protection.
- 8.2.3 Environmental exposure controls**
not determined

PRF Booster

Date 14.8.2015

Previous date: 30.4.2015

9. PHYSICAL AND CHEMICAL PROPERTIES

9.1	Important Health Safety and Environmental Information	
9.1.1	Appearance	
	Aerosol	
9.1.2	Odour	odourless
9.1.3	Odour threshold	not determined
9.1.4	pH	not determined
9.1.5	Melting point/freezing point	not determined
9.1.6	Initial boiling point and boiling range	-26°C
9.1.7	Flash point	not determined
9.1.8	Evaporation rate	not determined
9.1.9	Flammability (solid, gas)	Flammable gas, may cause flash fire.
9.1.10	Explosive properties	
9.1.10.1	Lower explosion limit	not determined
9.1.10.2	Upper explosion limit	not determined
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	not determined
9.1.14.2	Fat solubility (solvent - oil to be specified)	not determined
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

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	Do not spray on a naked flame or any incandescent material. Keep away from sources of ignition - No smoking. Keep away from children.
10.5	Incompatible materials	not determined
10.6	Hazardous decomposition products	not determined

PRF Booster

Date 14.8.2015

Previous date: 30.4.2015

11. TOXICOLOGICAL INFORMATION

- 11.1 Information on toxicological effects**
- 11.1.1 Acute toxicity**
not determined
- 11.1.2 Irritation and corrosion**
not determined
- 11.1.3 Sensitisation**
not determined
- 11.1.4 Subacute, subchronic and prolonged toxicity**
not determined

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**
not determined
- 12.2.2 Chemical degradation**
not determined
- 12.3 Bioaccumulative potential**
not determined
- 12.4 Mobility in soil**
not determined
- 12.5 Results of PBT and vPvB assessment**
not determined
- 12.6 Other adverse effects**
not determined

13. DISPOSAL CONSIDERATIONS

- 13.1 Waste treatment methods**
not determined
- 13.2 Waste from residues / unused products**
not determined

14. TRANSPORT INFORMATION

- 14.1 UN number** 1950
- 14.2 UN proper shipping name** Aerosol
- 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

PRF Booster

Date 14.8.2015

Previous date: 30.4.2015

- 14.7** **Transport in bulk according to Annex II of MARPOL 73/78 and the IBC Code**
not determined

15. REGULATORY INFORMATION

not determined

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

16. OTHER INFORMATION

- 16.1** **Additions, Deletions, Revisions**
REGULATION (EC) No 453/2010
- 16.5** **List of relevant R phrases, hazard statements, safety phrases and/or precautionary statements**
R12 Extremely flammable.
- 16.8** **Additional information available from:**
tilaukset@taerosol.com