

**PRF Air Glass**

Date 12.6.2017

Previous date: 15.11.2016

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

PRF Air Glass

**1.1.2 Product code**

PEAG52,PEAG22

**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**Myrkytystietokeskus, Stenberginkatu 9, PL 100, 00210 Helsinki,09-4711(vaihde),  
09-471977 (suora)**2. HAZARDS IDENTIFICATION****2.1 Classification of the substance or mixture**

Aerosol 1

**1272/2008 (CLP)**

Aerosol 1, H222

Aerosol 1, H229

Eye Irrit. 2, H319

STOT SE 3, H336

**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.

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

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**

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**Hazardous components**

<b>CAS/EC and Reg. number</b>	<b>Chemical name of the substance</b>	<b>Concentration</b>	<b>Classification</b>
106-97-8 200-857-2	butan	10-20%%	F+; R12 ;Flam. Gas 1, H220; Press. Gas
74-98-6 200-827-9	propan	5-15%	F+; R12 ;Flam. Gas 1, H220; Press. Gas
67-63-0 200-661-7	propan-2-ol	5-15%	F; R11; Xi; R36; R67 ;Flam. Liq. 2, H225; Eye Irrit. 2, H319; STOT SE 3, H336
151-21-3	Natriumlaurylsulfate	0,1-0,3%	Flam. Sol. 2, H228 Acute Tox. 4, H302 Acute Tox. 4, H332 Skin Irrit. 2, H315 Eye Dam. 1, H318 STOT SE 3, H335 R 20/22-37/38-41

**4. FIRST AID MEASURES****4.1 Description of first aid measures****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. Wash off with plenty of water.

**4.1.4 Eye contact**

In case of contact, immediately flush eyes with plenty of water for at least 15 minutes.

**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**

When symptoms persist or in all cases of doubt seek medical advice. If eye irritation persists, consult a specialist.

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

Treat symptomatically.

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

Alcohol-resistant foam ABC powder Carbon dioxide (CO<sub>2</sub>)

**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**

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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	butan	800 ppm (8 h)	1000 ppm (15 min)
		1900 mg/m <sup>3</sup> (8 h)	2350 mg/m <sup>3</sup> (15 min)
74-98-6	propan	800 ppm (8 h)	1100 ppm (15 min)
		1500 mg/m <sup>3</sup> (8 h)	2000 mg/m <sup>3</sup> (15 min)
67-63-0	Propan-2-oli; isopropyylialkoholi; isopropanoli	200 ppm (8 h)	250 ppm (15 min)
		500 mg/m <sup>3</sup> (8 h)	620 mg/m <sup>3</sup> (15 min)

**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**

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.

**9. PHYSICAL AND CHEMICAL PROPERTIES****9.1 Important Health Safety and Environmental Information****9.1.1 Appearance**

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	aerosol	
<b>9.1.2</b>	<b>Odour</b>	odourized
<b>9.1.3</b>	<b>Odour threshold</b>	not determined
<b>9.1.4</b>	<b>pH</b>	7
<b>9.1.5</b>	<b>Melting point/freezing point</b>	-10°C
<b>9.1.6</b>	<b>Initial boiling point and boiling range</b>	<-20 °C
<b>9.1.7</b>	<b>Flash point</b>	< 0 °C
<b>9.1.8</b>	<b>Evaporation rate</b>	not determined
<b>9.1.9</b>	<b>Flammability (solid, gas)</b>	Extremely flammable.
<b>9.1.10</b>	<b>Explosive properties</b>	
<b>9.1.10.1</b>	<b>Lower explosion limit</b>	2,3 til-%
<b>9.1.10.2</b>	<b>Upper explosion limit</b>	9,5 til-%
<b>9.1.11</b>	<b>Vapour pressure</b>	not determined
<b>9.1.12</b>	<b>Vapour density</b>	not determined
<b>9.1.13</b>	<b>Relative density</b>	not determined
<b>9.1.14</b>	<b>Solubility(ies)</b>	
<b>9.1.14.1</b>	<b>Water solubility</b>	completely miscible
<b>9.1.14.2</b>	<b>Fat solubility (solvent - oil to be specified)</b>	practically insoluble
<b>9.1.15</b>	<b>Partition coefficient: n-octanol/water</b>	not determined
<b>9.1.16</b>	<b>Auto-ignition temperature</b>	not determined
<b>9.1.17</b>	<b>Decomposition temperature</b>	not determined
<b>9.1.18</b>	<b>Viscosity</b>	not determined
<b>9.1.19</b>	<b>Explosive properties</b>	not determined
<b>9.1.20</b>	<b>Oxidising properties</b>	not determined
<b>9.2</b>	<b>Other information</b>	

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**10. STABILITY AND REACTIVITY**

- 10.1 Reactivity**  
Exposure to sunlight.
- 10.2 Chemical stability**  
Stable
- 10.3 Possibility of hazardous reactions**
- 10.4 Conditions to avoid**  
Do not expose to temperatures above 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 =5840 mg/kg OECD Test Guideline 401, IPA  
LC50/inhalation/ 6 h/rat => 25000 mg/l OECD Test Guideline 403, IPA  
LD50/dermal/rabbit =13900 mg/kg (kani) OECD TG 402, IPA
- 11.1.2 Irritation and corrosion**  
Severe eye irritation

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- 11.1.5 STOT-single exposure**  
Severe eye irritation. Höyryt voivat aiheuttaa uneliaisuutta ja huimausta.
- 11.1.6 STOT-repeated exposure**  
Severe eye irritation

**12. ECOLOGICAL INFORMATION**

- 12.1 Toxicity**
- 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**  
not determined
- 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.

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

**15. REGULATORY INFORMATION**

- 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**  
REGULATION (EC) No 453/2010
- 16.8 Additional information available from:**  
tilaukset(at)taerosol.com