

PRF Label off

Date 17.4.2018

Previous date: 11.4.2018

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

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1.1.2 Product code

PELAB22

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****1272/2008 (CLP)**

Flam. Aerosol 1, H222

Flam. Aerosol 1, H229

Skin Irrit. 2, H315

Skin Irrit. 2, H317

STOT SE 3, H336

Aquatic Chronic 2, H411

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

GHS09 - GHS07 - GHS02

Signal word

Danger**Hazard Statements**

H222

Extremely flammable aerosol.

H229

Pressurised container: May burst if heated.

H315

Causes skin irritation.

H317

May cause an allergic skin reaction.

H336

May cause drowsiness or dizziness.

H411

Toxic to aquatic life with long lasting effects.

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

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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	
64742-49-0 265-151-9	Naphtha (petroleum),hydrotreatedlight	30-40%	CLP:Flam.Liq. 2; H225 Skin.Irrit. 2; H315 STOT SE 3; H336 Asp.tox 1; H304 Aquatic Chronic 2; H411	
106-97-8 200-857-2	butan	10-20%	Flam. Gas 1, H220; Press. Gas	
74-98-6 200-827-9	propan	10-20%	Flam. Gas 1, H220; Press. Gas	
94266-47-4	D-limonene	30-40%	Flam.Lig 2; H226,H315,317,H410	

4. FIRST AID MEASURES

- 4.1 Description of first aid measures**
Do not induce vomiting: contains petroleum distillates and/or aromatic solvents.
- 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**
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**
Aspiration hazard if swallowed - can enter lungs and cause damage.
- 4.3 Indication of immediate medical attention and special treatment needed**
Aspiration hazard

5. FIREFIGHTING MEASURES

- 5.1 Extinguishing media**
- 5.1.1 Suitable extinguishing media**
ABC powder Dry chemical Carbon dioxide (CO2)
- 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**
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.

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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)
64742-49-0	Naphtha(petroleum), hydrotreatedlight	500 ppm (8 h)	630 ppm (15 min)
		1800 mg/m ³ (8 h)	2300 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

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

Wear suitable gloves and eye/face protection. Avoid contact with the skin and the eyes.

8.2.3 Environmental exposure controls

not determined

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9. PHYSICAL AND CHEMICAL PROPERTIES

9.1	Important Health Safety and Environmental Information	
9.1.1	Appearance	aerosol
9.1.2	Odour	Citrus
9.1.3	Odour threshold	-
9.1.4	pH	7
9.1.5	Melting point/freezing point	-10°C
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	insoluble
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

10. STABILITY AND REACTIVITY

10.1	Reactivity	Exposure to sunlight.
10.2	Chemical stability	Stable
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. Do not pierce or burn, even after use.
10.5	Incompatible materials	not determined
10.6	Hazardous decomposition products	not determined

11. TOXICOLOGICAL INFORMATION

11.1	Information on toxicological effects
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- 11.1.1 Acute toxicity**
LD50/oral/rat =>5840 mg/kg OECD Test Guideline 401
LC50/inhalation/ 4 h/rat =>23.3 mg/LOECD Test Guideline 403
- 11.1.2 Irritation and corrosion**
Prolonged skin contact may cause skin irritation. Prolonged skin contact may defat the skin and produce dermatitis.
- 11.1.3 Sensitisation**
May cause sensitisation of susceptible persons.
- 11.1.4 Subacute, subchronic and prolonged toxicity**
not determined
- 11.1.5 STOT-single exposure**
May irritate skin.
- 11.1.6 STOT-repeated exposure**
Prolonged skin contact may defat the skin and produce dermatitis.
- 11.1.7 Aspiration hazard**
Aspiration hazard if swallowed - can enter lungs and cause damage.

12. ECOLOGICAL INFORMATION

- 12.1 Toxicity**
- 12.1.1 Aquatic toxicity**
LC50/96h/rainbow trout =10<LC/EC
LC50/96h/algae =10mg/l1
LC50/96h/Sheephead minnows =May cause long-term adverse effects in the aquatic environment.
- 12.1.2 Toxicity to other organisms**
May cause long-term adverse effects in the aquatic environment. Very toxic to fish. Very toxic to algae.
- 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
- 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.

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 |

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- 14.5 Environmental hazards** not determined
- 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

- 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**
REGULATION (EC) No 453/2010
- 16.2 Key or legend to abbreviations and acronyms**
not determined
- 16.3 Key literature references and sources for data**
not determined
- 16.8 Additional information available from:**
tilaukset(at)taerosol.com