

PRF 202

Date 28.9.2015

Previous date: 11.6.2015

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

PE20222

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

Surface treatment

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

Eye Irrit. 2, H319

STOT SE 3, H336

Aquatic Chronic 2, H411

67/548/EEC - 1999/45/EC

F+, Xi, N; R12-36-38-50/53-67

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.

H319 Causes serious eye irritation.

H336 May cause drowsiness or dizziness.

H411 Toxic to aquatic life with long lasting effects.

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.



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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.
P102	Keep out of reach of children.

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
64742-49-0 265-151-9	Naphtha (petroleum),hydrotreatedlight	30-40%	CLP:Flam.Liq. 2; H225 R 12 Skin.Irrit. 2; H315 R 3 STOT SE 3; H336 R 67 Asp.tox 1; H304 R 65 Aquatic Chronic 2; H411 R 51/53
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
1330-20-7 202-422-2	o-xylene	10-15%	R10;Xn; R20/21;Xi; R38; Flam. Liq. 3, H226; Acute Tox. 4 (), H332; Acute Tox. 4 (), H312; Skin Irrit. 2, H315
141-78-6 205-500-4	ethylacetate	10-20%	F; R11;Xi; R36;R66;R67; Flam. Liq. 2, H225; Eye Irrit. 2, H319; STOT SE 3, H336

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

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- 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**
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**

64742-49-0	Matalalla kiehuva vetykäsitelty teollisuusbenssiini	500 ppm (8 h)	630 ppm (15 min)
		1800 mg/m ³ (8 h)	2300 mg/m ³ (15 min)
106-97-8	butan	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)
1330-20-7	o-xylene	50 ppm (8 h)	100 ppm (15 min)
		220 mg/m ³ (8 h)	440 mg/m ³ (15 min)
		iho	
141-78-6	ethylacetate	300 ppm (8 h)	500 ppm (15 min)
		1100 mg/m ³ (8 h)	1800 mg/m ³ (15 min)

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- 8.1.4 DNELs**
not determined
- 8.1.5 PNECs**
not determined
- 8.2 Exposure 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.
- 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**
aerosol
- 9.1.2 Odour** hydrocarbon-like
- 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** -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**

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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 =>2000mg/kg, ksyleeni
LC50/inhalation/ 4 h/rat =28mg/l, ksyleeni
LD50/dermal/rabbit =3200mg/kg, ksyleeni
- 11.1.2 Irritation and corrosion**
Solvents may degrease the skin. Prolonged skin contact may cause skin irritation.
- 11.1.5 STOT-single exposure**
Aspiration hazard
- 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/l
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**
- 12.5 Results of PBT and vPvB assessment**
not determined
- 12.6 Other adverse effects**

13. DISPOSAL CONSIDERATIONS

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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
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**

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. |
| R20/21 | Harmful by inhalation and in contact with skin. |
| R36 | Irritating to eyes. |
| R38 | Irritating to skin. |
| R51/53 | Toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment. |
| R65 | Harmful: may cause lung damage if swallowed. |
| R66 | Repeated exposure may cause skin dryness or cracking. |
| R67 | Vapours may cause drowsiness and dizziness. |
- 16.8 Additional information available from:**
tilaukset(at)taerosol.com