

PRF 4-48

Date 23.10.2017

Previous date: 19.10.2017

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

PE44822

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**

Aerosol 1

1272/2008 (CLP)

Aerosol 1, H222

Aerosol 1, H229

Skin Irrit. 2, H315

Eye Irrit. 2, H319

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.

H319

Causes serious eye irritation.

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.



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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****Hazardous components**

CAS/EC and Reg. number	Chemical name of the substance	Concentration	Classification
64742-49-0 265-151-9	Naphtha (petroleum),hydrotreatedlight	50-70%	CLP:Flam.Liq. 2; H225 R 12 Skin.Irrit. 2; H315 R 38 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	10-25%	F+; R12 ;Flam. Gas 1, H220; Press. Gas
74-98-6 200-827-9	propan	10-25%	F+; R12 ;Flam. Gas 1, H220; Press. Gas
67-63-0 200-661-7	Propan-2-oli; isopropyylialkoholi; isopropanoli	5-15%	F; R11; Xi; R36; R67 ;Flam. Liq. 2, H225; Eye Irrit. 2, H319; STOT SE 3, H336

3.3 Other information

not determined

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

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5. FIREFIGHTING MEASURES

- 5.1 Extinguishing media**
- 5.1.1 Suitable extinguishing media**
ABC powder Dry chemical Carbon dioxide (CO₂) 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**
Special protective equipment for firefighters
- 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**
not determined
- 6.4 Reference to other sections**
not determined

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)**
not determined

8. EXPOSURE CONTROLS/PERSONAL PROTECTION

- 8.1 Control parameters**
not determined
- 8.1.1 Threshold limits**
- | | | | |
|----------|--------|------------------------------|---------------------------------|
| 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) |

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64742-49-0	Naphtha(petroleum), hydrotreatedlight	500 ppm (8 h) 1800 mg/m ³ (8 h)	630 ppm (15 min) 2300 mg/m ³ (15 min)
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8.1.2 Other information on limit values

not determined

8.1.3 Limit values in other countries

No data is available on the product itself.

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.

8.2.3 Environmental exposure controls

not determined

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

aerosol

9.1.2 Odour

not determined

9.1.3 Odour threshold

not determined

9.1.4 pH

7

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

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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	not determined
10.2	Chemical stability	not determined
10.3	Possibility of hazardous reactions	not determined
10.4	Conditions to avoid	Do not expose to temperatures above 50 °C.
10.5	Incompatible materials	not determined
10.6	Hazardous decomposition products	No data is available on the product itself.

11. TOXICOLOGICAL INFORMATION

11.1	Information on toxicological effects	
11.1.1	Acute toxicity	LD50/oral/rat =>5840 mg/kgOECD Test Guideline 401 LC50/inhalation/ 4 h/rat =>23.3 mg/LOECD Test Guideline 403
11.1.2	Irritation and corrosion	Severe eye irritation Irritating to skin.
11.1.3	Sensitisation	No data is available on the product itself.
11.1.4	Subacute, subchronic and prolonged toxicity	No data is available on the product itself.
11.1.5	STOT-single exposure	Severe eye irritation Irritating to skin. Vapours may cause drowsiness and dizziness.
11.1.6	STOT-repeated exposure	Prolonged or repeated contact may dry skin and cause irritation.
11.1.7	Aspiration hazard	Aspiration hazard if swallowed - can enter lungs and cause damage.

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12. ECOLOGICAL INFORMATION

- 12.1 Toxicity**
- 12.1.1 Aquatic toxicity**
LC50/96h/rainbow trout =10<LC/EC
LC50/96h/algae =10mg/l1
Toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment.
- 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**
After release, disperses into the air.
- 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.
- 13.2 Waste from residues / unused products**
not determined

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** Environmentally hazardous
- 14.6 Special precautions for users**
not determined
- 14.7 Transport in bulk according to Annex II of MARPOL 73/78 and the IBC Code**
not determined

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

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16. OTHER INFORMATION

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