

PRF 290

Date 12.6.2017

Previous date: 16.11.2016

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

PRF 290

1.1.2 Product code

PE29022

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

Lubricant

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

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.

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 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	10-20%	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
	Mineral oil	40-50%	

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, 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.

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6. ACCIDENTAL RELEASE MEASURES

- 6.1 Personal precautions, protective equipment and emergency procedures**
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**
- 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) |
| 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**
There is no data available for this product.
- 8.1.3 Limit values in other countries**
There is no data available for this product.
- 8.1.4 DNELs**
There is no data available for this product.
- 8.1.5 PNECs**
There is no data available for this product.
- 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.

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- 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**
There is no data available for this product.

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** -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** There is no data available for this product.
- 9.1.12 Vapour density** There is no data available for this product.
- 9.1.13 Relative density** There is no data available for this product.
- 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** There is no data available for this product.
- 9.1.16 Auto-ignition temperature** There is no data available for this product.
- 9.1.17 Decomposition temperature** There is no data available for this product.
- 9.1.18 Viscosity** There is no data available for this product.
- 9.1.19 Explosive properties** There is no data available for this product.
- 9.1.20 Oxidising properties** There is no data available for this product.
- 9.2 Other information**

10. STABILITY AND REACTIVITY

- 10.1 Reactivity**
Exposure to sunlight.
- 10.2 Chemical stability**
Stable
- 10.3 Possibility of hazardous reactions**
There is no data available for this product.
- 10.4 Conditions to avoid**
Do not expose to temperatures above 50 °C.
- 10.5 Incompatible materials**
No data is available on the product itself.

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- 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/kg OECD Test Guideline 401
LC50/inhalation/ 4 h/rat =>23.3 mg/LOECDOECD Test Guideline 403
LD50/dermal/rat ==>2920 mg/kgOECD Test Guideline 402
- 11.1.2 Irritation and corrosion**
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**
Irritating to skin. Vapours may cause drowsiness and dizziness.
- 11.1.7 Aspiration hazard**
Aspiration hazard if swallowed - can enter lungs and cause damage.
- 11.1.8 Other information on acute toxicity**
No data is available on the product itself.

12. ECOLOGICAL INFORMATION

- 12.1 Toxicity**
- 12.1.1 Aquatic toxicity**
LC50/96h/rainbow trout =13.4mg/L,
Toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment.
- 12.2 Persistence and degradability**
- 12.2.1 Biodegradation**
There is no data available for this product.
- 12.2.2 Chemical degradation**
There is no data available for this product.
- 12.3 Bioaccumulative potential**
There is no data available for this product.
- 12.4 Mobility in soil**
There is no data available for this product.
- 12.5 Results of PBT and vPvB assessment**
No information available.
- 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.
- 13.2 Waste from residues / unused products**
There is no data available for this product.

14. TRANSPORT INFORMATION

- 14.1 UN number** 1950

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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	
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