

First 1

Date 17.8.2015

Previous date: 17.8.2015

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

First 1

1.1.2 Product code

PFFI108,PFFI122,PFFI152

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

Flam. Aerosol 1, H222

Flam. Aerosol 1, H229

Skin Irrit. 2, H315

STOT SE 3, H336

Aquatic Chronic 2, H411

Eye Irrit. 2, H319

67/548/EEC - 1999/45/EC

F+, Xi, N; R12-38-51/53-67

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.

H336 May cause drowsiness or dizziness.

H411 Toxic to aquatic life with long lasting effects.

H319 Causes serious eye irritation.

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.



First 1

Date 17.8.2015

Previous date: 17.8.2015

P251 Pressurized container: 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	10-20%	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
67-63-0 200-661-7	propan-2-ol	5-15%	Flam. Liq. 2 - H225 STOT SE 3 - H336 Eye Irrit. 2 - H319 STOT SE 3 - H336 STOT SE 3 - H336 F; R11. Xi; R36. R67
	Hiilivedyt, C10-C13, n-alkaanit, isoalkaanit, sykliiset, <2% aromaatteja	5-15%	CLP: Asp.tox 1, H304; EUH066 DSD-DPD: Xn; R65, R66
	Synthetic Oil	20-40%	

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.

First 1

Date 17.8.2015

Previous date: 17.8.2015

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) 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

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

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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First 1

Date 17.8.2015

Previous date: 17.8.2015

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)

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

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

hydrocarbon-like

9.1.3 Odour threshold

not determined

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

First 1

Date 17.8.2015

Previous date: 17.8.2015

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 Do not expose to temperatures above 50 °C.
10.5	Incompatible materials not determined
10.6	Hazardous decomposition products not determined

11. TOXICOLOGICAL INFORMATION

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

First 1

Date 17.8.2015

Previous date: 17.8.2015

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. Toxic to fish. 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.

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

2

14.5 Environmental hazards

not determined

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

First 1

Date 17.8.2015

Previous date: 17.8.2015

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

16.4 Classification procedure

not determined

16.5 List of relevant R phrases, hazard statements, safety phrases and/or precautionary statements

R12 Extremely flammable.

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.

16.6 Training advice

not determined

16.7 Recommended restrictions

not determined

16.8 Additional information available from:

tilaukset(at)taerosol.com