

**SAFETY DATA SHEET****PRF 4-48**

The safety data sheet is in accordance with Commission Regulation (EU) 2015/830 of 28 May 2015 amending Regulation (EC) No 1907/2006 of the European Parliament and of the Council on the Registration, Evaluation, Authorisation and Restriction of Chemicals (REACH)

**SECTION 1: Identification of the substance / mixture and of the company / undertaking**

Date issued	23.10.2017
Revision date	23.10.2017

**1.1. Product identifier**

Product name	PRF 4-48
Article no.	PE44822
Extended SDS with ES incorporated	No

**1.2. Relevant identified uses of the substance or mixture and uses advised against**

Use of the substance / preparation	Cleaning agent
The chemical can be used by the general public	Yes

**1.3. Details of the supplier of the safety data sheet**

Company name	Taerosol Oy
Postal address	Hampuntie 21
Postcode	36220
City	Kangasala
Country	Finland
Telephone number	+358 33565600
Website	www.taerosol.com
Enterprise No.	02847686

**1.4. Emergency telephone number**

Emergency telephone	Description: 09-471 977 tai 09-4711 Myrkytystietokeskus / HUS PL 340 (Haartmaninkatu 4), 00029 HUS (Helsinki)
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**SECTION 2: Hazards identification**

## 2.1. Classification of the substance or mixture

Classification according to Regulation (EC) No 1272/2008 [CLP / GHS]	Aerosol 1; H222; Aerosol 1; H229; Skin Irrit. 2; H315; Eye Irrit. 2; H319; STOT SE 3; H336; Aquatic Chronic 2; H411;
Substance / mixture hazardous properties	Aerosol 1

## 2.2. Label elements

### Hazard pictograms (CLP)



Composition on the label	Naphtha (petroleum), hydrotreated light 50 - 70 %, Butan 10 - 25 %, Propan 10 - 25 %, propan-2-ol isopropyl alcohol isopropanol 5 - 15 %
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 . 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 no expose to temperatures exceeding 50 °C / 122°F.

## 2.3. Other hazards

## SECTION 3: Composition / information on ingredients

### 3.2. Mixtures

Substance	Identification	Classification	Contents
Naphtha (petroleum) , hydrotreated light	CAS No.: 64742-49-0 EC No.: 265-151-9	Flam. Liq. 2; H225 Skin Irrit. 2; H315 STOT SE 3; H336 Asp. tox. 1; H304 Aquatic Chronic 2; H411	50 - 70 %
Butan	CAS No.: 106-97-8	Flam. Gas 1; H220	10 - 25 %

Propan	EC No.: 200-857-2	Press. Gas	
	CAS No.: 74-98-6	Flam. Gas 1; H220	10 - 25 %
	EC No.: 200-827-9	Press. Gas	
	Index No.: 601-003-00-5		
propan-2-ol isopropyl alcohol isopropanol	CAS No.: 67-63-0	Flam. Liq. 2; H225	5 - 15 %
	EC No.: 200-661-7	Eye Irrit. 2; H319 STOT SE 3; H336	
Substance comments	not determined		

## SECTION 4: First aid measures

### 4.1. Description of first aid measures

General	Do not induce vomiting: contains petroleum distillates and/or aromatic solvents.
Inhalation	In the case of inhalation of aerosol/mist consult a physician if necessary.
Skin contact	Get medical attention if symptoms occur.
Eye contact	In case of contact, immediately flush eyes with plenty of water for at least 15 minutes.
Ingestion	If swallowed, call a poison control centre or doctor immediately.

### 4.2. Most important symptoms and effects, both acute and delayed

General symptoms and effects	Aspiration hazard if swallowed - can enter lungs and cause damage.
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### 4.3. Indication of any immediate medical attention and special treatment needed

Medical treatment	Aspiration hazard
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## SECTION 5: Firefighting measures

### 5.1. Extinguishing media

Suitable extinguishing media	ABC powder Dry chemical Carbon dioxide (CO2) Alcohol-resistant foam
Improper extinguishing media	Do NOT use water jet.

### 5.2. Special hazards arising from the substance or mixture

Fire and explosion hazards	Explosive reaction may occur on heating or burning.
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### 5.3. Advice for firefighters

Personal protective equipment	Special protective equipment for firefighters
Other information	Immediately evacuate personnel to safe areas.

## SECTION 6: Accidental release measures

### 6.1. Personal precautions, protective equipment and emergency procedures

General measures	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

Environmental precautionary measures	Prevent product from entering drains.
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## 6.3. Methods and material for containment and cleaning up

Other information	not determined
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## 6.4. Reference to other sections

Other instructions	not determined
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## SECTION 7: Handling and storage

### 7.1. Precautions for safe handling

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.
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### 7.2. Conditions for safe storage, including any incompatibilities

Storage	Do not store near combustible materials. Storage of flammable liquids
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### 7.3. Specific end use(s)

Specific use(s)	not determined
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## SECTION 8: Exposure controls / personal protection

### 8.1. Control parameters

Substance	Identification	Value	TWA Year
Naphtha (petroleum) , hydrotreated light	CAS No.: 64742-49-0	TWA (8h) : 500 ppm	
	EC No.: 265-151-9	<b>OEL short term value</b> Value: 630 ppm	
		TWA (8h) : 1800 mg/m <sup>3</sup> <b>OEL short term value</b> Value: 2300 mg/m <sup>3</sup>	
Butan	CAS No.: 106-97-8	TWA (8h) : 800 ppm	
	EC No.: 200-857-2	<b>OEL short term value</b> Value: 1000 ppm	
		TWA (8h) : 1900 mg/m <sup>3</sup> <b>OEL short term value</b> Value: 2350 mg/m <sup>3</sup>	
Propan	CAS No.: 74-98-6	TWA (8h) : 800 ppm	
	EC No.: 200-827-9	<b>OEL short term value</b> Value: 1100 ppm	
	Index No.: 601-003-00-5	TWA (8h) : 1500 mg/m <sup>3</sup> <b>OEL short term value</b> Value: 2000 mg/m <sup>3</sup>	

**DNEL / PNEC**

DNEL	Comments: not determined
PNEC	Comments: not determined
Control parameters comments	not determined not determined No data is available on the product itself.

**8.2. Exposure controls****Precautionary measures to prevent exposure**

Product related measures to prevent exposure	not determined
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**Respiratory protection**

Respiratory protection, comments	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.
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**Hand protection**

Required properties for 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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**Eye / face protection**

Required Properties	Avoid contact with the skin and the eyes.
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**Skin protection**

Skin protection remark	Avoid contact with the skin and the eyes.
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**Appropriate environmental exposure control**

Environmental exposure controls	not determined
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**SECTION 9: Physical and chemical properties****9.1. Information on basic physical and chemical properties**

Physical state	aerosol
Odour	not determined
Odour limit	Comments: not determined
Melting point / melting range	Comments: not determined
Boiling point / boiling range	Comments: < -20 °C
Flash point	Comments: < 0 °C
Flammability (solid, gas)	Extremely flammable.
Vapour pressure	Comments: not determined
Partition coefficient: n-octanol/ water	Comments: not determined

Spontaneous combustability	Comments: not determined
Decomposition temperature	Comments: not determined
Viscosity	Comments: not determined
Explosive properties	not determined
Oxidising properties	not determined

## 9.2. Other information

### Other physical and chemical properties

Physical and chemical properties	not determined
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## SECTION 10: Stability and reactivity

### 10.1. Reactivity

Reactivity	not determined
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### 10.2. Chemical stability

Stability	not determined
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### 10.3. Possibility of hazardous reactions

Possibility of hazardous reactions	not determined
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### 10.4. Conditions to avoid

Conditions to avoid	Do not expose to temperatures above 50 °C.
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### 10.5. Incompatible materials

Materials to avoid	not determined
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### 10.6. Hazardous decomposition products

Hazardous decomposition products	No data is available on the product itself.
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## SECTION 11: Toxicological information

### 11.1. Information on toxicological effects

#### Acute toxicity, Mixture estimate

Assessment of acute toxicity, classification	LD50/oral/rat = >5840 mg/kg OECD Test Guideline 401 LC50/inhalation/ 4 h/rat = >23.3 mg/L OECD Test Guideline 403
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#### Potential acute effects

Irritation	Severe eye irritation Irritating to skin.
Aspiration hazard, comments	Aspiration hazard if swallowed - can enter lungs and cause damage.

**Delayed effects / repeated exposure**

General respiratory or skin sensitisation	No data is available on the product itself.
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**Carcinogenic, Mutagenic or Reprotoxic**

Assessment of carcinogenicity, classification	No data is available on the product itself.
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**SECTION 12: Ecological information****12.1. Toxicity**

Ecotoxicity	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**

Persistence degradability additional information	Readily biodegradable, according to appropriate OECD test.
Persistence and degradability, comments	Bioaccumulation is unlikely.

**12.3. Bioaccumulative potential**

Bioaccumulative potential	Bioaccumulation is unlikely.
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**12.4. Mobility in soil**

Mobility	After release, disperses into the air.
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**12.5. Results of PBT and vPvB assessment**

PBT assessment results	not determined
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**12.6. Other adverse effects**

Other adverse effects, comments	not determined
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**SECTION 13: Disposal considerations****13.1. Waste treatment methods**

Specify the appropriate methods of disposal	Do not burn, or use a cutting torch on, the empty drum. Dispose of in accordance with local regulations.
Other information	not determined

**SECTION 14: Transport information**

**14.1. UN number**

ADR / RID / ADN	1950
IMDG	1950
ICAO / IATA	1950

**14.2. UN proper shipping name**

ADR / RID / ADN	Aerosols
IMDG	Aerosols
ICAO / IATA	Aerosols

**14.3. Transport hazard class(es)**

ADR / RID / ADN	2.1
IMDG	2.1
ICAO / IATA	2.1
Comments	2.1

**14.4. Packing group**

Comments	-
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**14.5. Environmental hazards**

Comments	Environmentally hazardous
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**14.6. Special precautions for user**

Special safety precautions for user	not determined
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**14.7. Transport in bulk according to Annex II of Marpol and the IBC Code**

Pollution category	not determined
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**SECTION 15: Regulatory information****15.1. Safety, health and environmental regulations / legislation specific for the substance or mixture**

Legislation and regulations	2B - Aerosols
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**15.2. Chemical safety assessment**

Chemical safety assessment	not determined
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**SECTION 16: Other information**

List of relevant H-phrases (Section 2 and 3)	H220 Extremely flammable gas. H222 Extremely flammable aerosol. H225 Highly flammable liquid and vapour.
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	H229 Pressurised container: May burst if heated. H304 May be fatal if swallowed and enters airways. H315 Causes skin irritation. H319 Causes serious eye irritation. H336 May cause drowsiness or dizziness. H411 Toxic to aquatic life with long lasting effects.
Classification according to Regulation (EC) No 1272/2008 [CLP / GHS]	Aerosol 1; H222; Aerosol 1; H229; Skin Irrit. 2; H315; Eye Irrit. 2; H319; STOT SE 3; H336; Aquatic Chronic 2; H411;
Additional information	tilaukset(at)taerosol.com
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