

SAFETY DATA SHEET**PRF 290**

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	12.06.2017
Revision date	12.06.2017

1.1. Product identifier

Product name	PRF 290
Article no.	PE29022
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	Lubricant
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; 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 30 - 40 %, Butan 10 - 20 %, Propan 10 - 20 %, Mineral oil 40 - 50 %
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 . 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	30 - 40 %
Butan	CAS No.: 106-97-8 EC No.: 200-857-2	Flam. Gas 1; H220 Press. Gas	10 - 20 %
Propan	CAS No.: 74-98-6 EC No.: 200-827-9	Flam. Gas 1; H220 Press. Gas	10 - 20 %

Index No.: 601-003-00-5

Mineral oil

40 - 50 %

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 , Carbon dioxide (CO2)
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	Alcohol-resistant foam
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. 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

6.4. Reference to other sections

Other instructions not determined

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.

7.2. Conditions for safe storage, including any incompatibilities

Storage Do not store near combustible materials. Storage of flammable liquids

7.3. Specific end use(s)

Specific use(s) not determined

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	OEL short term value Value: 630 ppm	
		TWA (8h) : 1800 mg/m ³ OEL short term value Value: 2300 mg/m ³	
Butan	CAS No.: 106-97-8	TWA (8h) : 800 ppm	
	EC No.: 200-857-2	OEL short term value Value: 1000 ppm	
		TWA (8h) : 1900 mg/m ³ OEL short term value Value: 2350 mg/m ³	
Propan	CAS No.: 74-98-6	TWA (8h) : 800 ppm	
	EC No.: 200-827-9	OEL short term value Value: 1100 ppm	
	Index No.: 601-003-00-5	TWA (8h) : 1500 mg/m ³ OEL short term value Value: 2000 mg/m ³	

DNEL / PNEC

DNEL Comments: There is no data available for this product.

PNEC Comments: There is no data available for this product.

Control parameters comments	There is no data available for this product. There is no data available for this product.
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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	There is no data available for this product.
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SECTION 9: Physical and chemical properties

9.1. Information on basic physical and chemical properties

Physical state	aerosol
Odour	hydrocarbon-like
Odour limit	Comments: not determined
Melting point / melting range	Comments: -10°C
Boiling point / boiling range	Comments: < -20 °C
Flash point	Comments: < 0 °C
Flammability (solid, gas)	Extremely flammable.
Vapour pressure	Comments: There is no data available for this product.
Partition coefficient: n-octanol/ water	Comments: There is no data available for this product.
Spontaneous combustability	Comments: There is no data available for this product.
Decomposition temperature	Comments: There is no data available for this product.

Viscosity	Comments: There is no data available for this product.
Explosive properties	There is no data available for this product.
Oxidising properties	There is no data available for this product.

9.2. Other information

SECTION 10: Stability and reactivity

10.1. Reactivity

Reactivity	Exposure to sunlight.
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10.2. Chemical stability

Stability	Stable
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10.3. Possibility of hazardous reactions

Possibility of hazardous reactions	There is no data available for this product.
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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	No data is available on the product itself.
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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/LOECD OECD Test Guideline 403 LD50/dermal/rat = =>2920 mg/kg OECD Test Guideline 402
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Potential acute effects

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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Symptoms of exposure

Other information	No data is available on the product itself.
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SECTION 12: Ecological information

12.1. Toxicity

Ecotoxicity	LC50/96h/rainbow trout = 13.4mg/L, Toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment.
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12.2. Persistence and degradability

Persistence degradability additional information	There is no data available for this product.
Persistence and degradability, comments	There is no data available for this product.

12.3. Bioaccumulative potential

Bioaccumulative potential	There is no data available for this product.
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12.4. Mobility in soil

Mobility	There is no data available for this product.
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12.5. Results of PBT and vPvB assessment

PBT assessment results	No information available.
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12.6. Other adverse effects

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	There is no data available for this product.

SECTION 14: Transport information

14.1. UN number

ADR / RID / ADN	1950
IMDG	1950

ICAO / IATA	1950
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14.2. UN proper shipping name

ADR / RID / ADN	Aerosols
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IMDG	Aerosols
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ICAO / IATA	Aerosols
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14.3. Transport hazard class(es)

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

14.7. Transport in bulk according to Annex II of Marpol and the IBC Code

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

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. H229 Pressurised container: May burst if heated. H304 May be fatal if swallowed and enters airways. H315 Causes skin irritation. H336 May cause drowsiness or dizziness. H411 Toxic to aquatic life with long lasting effects.
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Classification according to Regulation (EC) No 1272/2008 [CLP / GHS]	Aerosol 1; H222; Aerosol 1; H229; Skin Irrit. 2; H315; STOT SE 3; H336;
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	Aquatic Chronic 2; H411;
Additional information	tilaukset(at)taerosol.com
Information added, deleted or revised	REGULATION (EC) No 453/2010
Version	1