

SAFETY DATA SHEET**PRF 202**

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 202
Article no.	PE20222
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	Surface treatment
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: Myrkytystietokeskus, Stenberginkatu 9, PL 100, 00210 Helsinki, 09-4711(vaihde), 09-471977 (suora)
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SECTION 2: Hazards identification

2.1. Classification of 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 30 - 40 %, Butan 10 - 20 %, Propan 10 - 20 %, o-xylene [1] p-xylene [2] m-xylene [3] xylene [4] 10 - 15 %, Ethyl acetate 10 - 20 %
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	P251 Do not pierce or burn, even after use. P210 Keep away from . No smoking. P211 Do not spray on an open flame or other ignition source. 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. P102 Keep out of reach of children.

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	Flam. Gas 1; H220	10 - 20 %
	EC No.: 200-857-2	Press. Gas	
Propan	CAS No.: 74-98-6	Flam. Gas 1; H220	10 - 20 %
	EC No.: 200-827-9	Press. Gas	
	Index No.: 601-003-00-5		
o-xylene [1] p-xylene [2] m-xylene [3] xylene [4]	CAS No.: 1330-20-7	Flam. Liq. 3; H226	10 - 15 %
	EC No.: 202-422-2	Acute tox. 4; H332	
	Index No.: 601-022-00-9	Acute tox. 4; H312 Skin Irrit. 2; H315 Note : iho	
Ethyl acetate	CAS No.: 141-78-6	Flam. Liq. 2; H225	10 - 20 %
	EC No.: 205-500-4	Eye Irrit. 2; H319	
	Index No.: 607-022-00-5	STOT SE 3; H336	

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	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	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. 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

Environmental precautionary measures

Prevent product from entering drains.

6.3. Methods and material for containment and cleaning up

6.4. Reference to other sections

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)

SECTION 8: Exposure controls / personal protection

8.1. Control parameters

Substance	Identification	Value	TWA Year
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	
o-xylene [1] p-xylene [2] m-xylene [3] xylene [4]	CAS No.: 1330-20-7	TWA (8h) : 50 ppm	
	EC No.: 202-422-2	OEL short term value Value: 100 ppm	
	Index No.: 601-022-00-9	TWA (8h) : 220 mg/m ³ OEL short term value Value: 440 mg/m ³	

Ethyl acetate	CAS No.: 141-78-6	TWA (8h) : 300 ppm
	EC No.: 205-500-4	OEL short term value
	Index No.: 607-022-00-5	Value: 500 ppm
		TWA (8h) : 1100 mg/m ³
		OEL short term value
		Value: 1800 mg/m ³

DNEL / PNEC

DNEL	Comments: not determined
PNEC	Comments: not determined

8.2. Exposure controls

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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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: 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 combustibility	Comments: not determined
Decomposition temperature	Comments: not determined

Viscosity	Comments: not determined
Explosive properties	not determined
Oxidising properties	not determined

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

10.4. Conditions to avoid

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

10.6. Hazardous decomposition products

SECTION 11: Toxicological information

11.1. Information on toxicological effects

Acute toxicity, Mixture estimate

Assessment of acute toxicity, classification	LD50/oral/rat = >2000mg/kg, ksyleeni
	LC50/inhalation/ 4 h/rat = 28mg/l, ksyleeni
	LD50/dermal/rabbit = 3200mg/kg, ksyleeni

Potential acute effects

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

SECTION 12: Ecological information

12.1. Toxicity

Ecotoxicity	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. May cause long-term adverse effects in the aquatic environment. Toxic to fish. Toxic to algae.

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.

12.4. Mobility in soil

12.5. Results of PBT and vPvB assessment

PBT assessment results not determined

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.

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

14.6. Special precautions for user

14.7. Transport in bulk according to Annex II of MARPOL 73/78 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

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.
 H226 Flammable liquid and vapour.
 H229 Pressurised container: May burst if heated.
 H304 May be fatal if swallowed and enters airways.
 H312 Harmful in contact with skin.
 H315 Causes skin irritation.
 H319 Causes serious eye irritation.
 H332 Harmful if inhaled.
 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

Information added, deleted or revised

REGULATION (EC) No 453/2010

Version

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