

SAFETY DATA SHEET

PRF 4-44 Green NFL

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	28.09.2018
Revision date	10.08.2017

1.1. Product identifier

Product name	PRF 4-44 Green NFL
Article no.	PE44G52N, PE44G22, PE44G40T, PE44G52T, PE44G52U
Extended SDS with ES incorporated	No

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

Use categories nordic (UCN).	Muut kemikaalit (55)
Use of the substance / preparation	Cleaning agent
Standard industrial classification (NACE)	Teollisuus (C)
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 3; H229
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2.2. Label elements

Composition on the label	trans-1,3,3,3-Tetrafluoroprop-1-ene 95 - 100 %
Signal word	Warning
Hazard statements	H229 Pressurised container: May burst if heated.
Precautionary statements	P102 Keep out of reach of children. P251 Do not pierce or burn, even after use. P210 Keep away from . No smoking. 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
trans-1,3,3,3-Tetrafluoroprop-1-ene	CAS No.: 1645-83-6		95 - 100 %

SECTION 4: First aid measures

4.1. Description of first aid measures

General	When symptoms persist or in all cases of doubt seek medical. Liquid product causes severe burns, irritation of the digestive system and badly healing sores.
Inhalation	In the case of inhalation of aerosol/mist consult a physician if necessary.
Skin contact	Treat frost-bitten areas as needed. Avoid skin contact with leaking liquid (danger of frostbite).
Eye contact	Flush eyes with water as a precaution. RSh 3 - Contact with vapour causes burns to skin and eyes and contact with liquid causes freezing.
Ingestion	Ingestion causes burns of the upper digestive and respiratory tracts.

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

General symptoms and effects	The product causes burns of eyes, skin and mucous membranes.
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4.3. Indication of any immediate medical attention and special treatment needed

SECTION 5: Firefighting measures

5.1. Extinguishing media

Suitable extinguishing media	Palamaton
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5.2. Special hazards arising from the substance or mixture

Fire and explosion hazards	Heating may cause an explosion.
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5.3. Advice for firefighters

Personal protective equipment	Heating may cause an explosion.
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SECTION 6: Accidental release measures

6.1. Personal precautions, protective equipment and emergency procedures

General measures	Immediately evacuate personnel to safe areas.
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6.2. Environmental precautions

Environmental precautionary measures	No special environmental precautions required.
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6.3. Methods and material for containment and cleaning up

Other information	Not relevant for the product itself.
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6.4. Reference to other sections

SECTION 7: Handling and storage

7.1. Precautions for safe handling

Handling	Keep away from heat and sources of ignition.
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7.2. Conditions for safe storage, including any incompatibilities

Storage	Keep product and empty container away from heat and sources of ignition.
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7.3. Specific end use(s)

SECTION 8: Exposure controls / personal protection

8.1. Control parameters

Substance	Identification	Value	TWA Year
trans-1,3,3,3-Tetrafluoroprop-1-ene	CAS No.: 1645-83-6	Limit value type: HTP TWA (8h) : 830 ppm	
Control parameters comments	not determined Ei tunneta.		

DNEL / PNEC

DNEL	Comments: Ei tunneta.
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8.2. Exposure controls

Eye / face protection

Required Properties	Mitään erityisiä turvatoimenpiteitä ei tarvita.
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Hand protection

Required properties for hand protection	Mitään erityisiä turvatoimenpiteitä ei tarvita.
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Skin protection

Skin protection remark	Mitään erityisiä turvatoimenpiteitä ei tarvita.
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Respiratory protection

Respiratory protection, comments	Mitään erityisiä turvatoimenpiteitä ei tarvita.
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SECTION 9: Physical and chemical properties

9.1. Information on basic physical and chemical properties

Physical state	Aerosoli
Odour	odourless
Odour limit	Comments: not determined
Melting point / melting range	Comments: not determined
Boiling point / boiling range	Comments: -19°C
Flash point	Comments: Palamaton
Flammability (solid, gas)	Palamaton
Vapour pressure	Comments: not determined

9.2. Other information

SECTION 10: Stability and reactivity

10.1. Reactivity

Reactivity	Stabiili normaali olosuhteissa.
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10.2. Chemical stability

10.3. Possibility of hazardous reactions

Possibility of hazardous reactions	Vaarallista polymeroitumista ei tapahdu.
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10.4. Conditions to avoid

Conditions to avoid	Painepakkaus. Suojaa auringonvalolta, ei saa altistaa 50 °C korkeammille lämpötiloille.
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10.5. Incompatible materials**10.6. Hazardous decomposition products****SECTION 11: Toxicological information****11.1. Information on toxicological effects****Other information regarding health hazards**

General	-
Assessment of acute toxicity, classification	ei määritettävissä

SECTION 12: Ecological information**12.1. Toxicity****12.2. Persistence and degradability****12.3. Bioaccumulative potential****12.4. Mobility in soil****12.5. Results of PBT and vPvB assessment****12.6. Other adverse effects****SECTION 13: Disposal considerations****13.1. Waste treatment methods****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	Aerosoli
IMDG	Aerosoli
ICAO / IATA	Aerosoli

14.3. Transport hazard class(es)

ADR / RID / ADN	2.2
IMDG	2.2

ICAO / IATA	2.2
Comments	2.2

14.4. Packing group

Comments	-
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14.5. Environmental hazards

Comments	-
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14.6. Special precautions for user

Special safety precautions for user	-
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14.7. Transport in bulk according to Annex II of Marpol and the IBC Code

Pollution category	-
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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	-
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15.2. Chemical safety assessment

Chemical safety assessment	-
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SECTION 16: Other information

List of relevant H-phrases (Section 2 and 3)	H229 Pressurised container: May burst if heated.
Additional information	tilaukset(at)taerosol.com
Information added, deleted or revised	REGULATION (EC) No 453/2010
Version	1