

PRF 4-44 NFL

Date 14.8.2015

Previous date: 12.5.2015

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

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1.1.2 Product code

PE4452N, PE4422EN, PE44U52N, PE44T52N, PE44T40N

1.2 Relevant identified uses of the substance or mixture and uses advised against**1.2.1 Recommended use**

Cleaning agent

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)**

H229

2.2 Label elements**1272/2008 (CLP)**Signal word **Warning****Hazard Statements**

H229 Pressurised container: May burst if heated.

Precautionary Statements

P251 Pressurized container: Do not pierce or burn, even after use.

P410+P412 Protect from sunlight. Do not expose to temperatures exceeding 50 °C/ 122 °F.

P210 Keep away from heat/sparks/open flames/hot surfaces. - No smoking.

P102 Keep out of reach of children.

2.3 Other hazards

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3. COMPOSITION/INFORMATION ON INGREDIENTS**3.1 Substances**

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CAS/EC and Reg. number

811-97-2

Chemical name of the substance

1.1.1.2 Tetrafluoroethane

Concentration Classification

95-100%

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3.3 Other information

Will not burn (aerosol)

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4. FIRST AID MEASURES**4.1 Description of first aid measures**

When symptoms persist or in all cases of doubt seek medical advice. Liquid product causes severe burns, irritation of the digestive system and badly healing sores.

4.1.2 Inhalation

In the case of inhalation of aerosol/mist consult a physician if necessary.

4.1.3 Skin contact

Treat frost-bitten areas as needed. Avoid skin contact with leaking liquid (danger of frostbite).

4.1.4 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.

4.1.5 Ingestion

Ingestion causes burns of the upper digestive and respiratory tracts.

4.2 Most important symptoms and effects, both acute and delayed

The product causes burns of eyes, skin and mucous membranes.

4.3 Indication of immediate medical attention and special treatment needed

None known.

5. FIREFIGHTING MEASURES

Will not burn

5.1 Extinguishing media**5.1.1 Suitable extinguishing media**

Will not burn

5.1.2 Extinguishing media which must not be used for safety reasons

Will not burn

5.2 Special hazards arising from the substance or mixture

Heating may cause an explosion.

5.3 Advice for firefighters

Heating may cause an explosion.

5.4 Specific methods

None known. -

6. ACCIDENTAL RELEASE MEASURES**6.1 Personal precautions, protective equipment and emergency procedures**

Immediately evacuate personnel to safe areas.

6.2 Environmental precautions

No special environmental precautions required.

6.3 Methods and materials for containment and cleaning up

Not relevant for the product itself.

6.4 Reference to other sections

not determined

7. HANDLING AND STORAGE**7.1 Precautions for safe handling**

Keep in a well-ventilated place. Keep away from heat and sources of ignition.

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

7.3 Specific end use(s)
not determined

8. EXPOSURE CONTROLS/PERSONAL PROTECTION

8.1 Control parameters
not determined

8.1.1 Threshold limits
811-97-2 1.1.1.2 Tetrafluoroethane 1000 ppm (8 h) 4240 mg/m³ (8 h)

8.1.2 Other information on limit values
not determined

8.1.3 Limit values in other countries
None known.

8.1.4 DNELs
None known.

8.1.5 PNECs
None known.

8.2 Exposure controls

8.2.1 Appropriate engineering controls
None known.

8.2.2 Individual protection measures

8.2.2.1 Respiratory protection
not required under normal use

8.2.2.2 Hand protection
For prolonged or repeated contact use protective gloves.

8.2.2.3 Eye/face protection
Use respirator when performing operations involving potential exposure to vapour of the product.

8.2.2.4 Skin protection
Wear suitable gloves and eye/face protection.

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 odourless

9.1.3 Odour threshold not determined

9.1.4 pH not determined

9.1.5 Melting point/freezing point not determined

9.1.6 Initial boiling point and boiling range -26°C

9.1.7 Flash point not determined

9.1.8 Evaporation rate not determined

9.1.9 Flammability (solid, gas) Will not burn

9.1.10 Explosive properties

9.1.10.1 Lower explosion limit not determined

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9.1.10.2	Upper explosion limit	not determined
9.1.11	Vapour pressure	not determined
9.1.12	Vapour density	not determined
9.1.13	Relative density	1230Kg/m ³
9.1.14	Solubility(ies)	
9.1.14.1	Water solubility	not determined
9.1.14.2	Fat solubility (solvent - oil to be specified)	not determined
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	not determined
10.2	Chemical stability	not determined
10.3	Possibility of hazardous reactions	not determined
10.4	Conditions to avoid	Do not spray on a naked flame or any incandescent material. Keep away from sources of ignition - No smoking. Keep away from children.
10.5	Incompatible materials	not determined
10.6	Hazardous decomposition products	not determined

11. TOXICOLOGICAL INFORMATION

11.1	Information on toxicological effects	not determined
11.1.1	Acute toxicity	not determined
11.1.2	Irritation and corrosion	not determined
11.1.3	Sensitisation	not determined

12. ECOLOGICAL INFORMATION

12.1	Toxicity	
12.1.1	Aquatic toxicity	not determined

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- 12.1.2 Toxicity to other organisms**
not determined
- 12.2 Persistence and degradability**
- 12.2.1 Biodegradation**
not determined
- 12.2.2 Chemical degradation**
not determined
- 12.3 Bioaccumulative potential**
not determined
- 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

- not determined
- 13.1 Waste treatment methods**
not determined
- 13.2 Waste from residues / unused products**
not determined

14. TRANSPORT INFORMATION

- 14.1 UN number** 1950
- 14.2 UN proper shipping name** Aerosol
- 14.3 Transport hazard class(es)** 2.2
- 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

- not determined
- 15.1 Safety, health and environmental regulations/legislation specific for the substance or mixture**
not determined
- 15.2 Chemical safety assessment**
not determined

16. OTHER INFORMATION

- 16.1 Additions, Deletions, Revisions**
REGULATION (EC) No 453/2010

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16.8 Additional information available from:
tilaukset(at)taerosol.com