

PRF 4-44 NFL

Date 28.8.2013

Previous date: 28.8.2013

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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1.2 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

tarmo.dahlman@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**

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2.2 Label elements**1272/2008 (CLP)****Precautionary Statements**

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

P410 Protect from sunlight.

P412 Do not expose to temperatures exceeding 50 °C/ 122 °F.

2.3 Other hazards

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3. COMPOSITION/INFORMATION ON INGREDIENTS**3.2 Mixtures****Hazardous components****CAS/EC and Reg. number****Chemical name of the substance****Concentration Classification**

811-97-2

1.1.1.2 Tetrafluroethane

95-100%

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3.3 Other information

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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.

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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**4.3 Indication of immediate medical attention and special treatment needed**

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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

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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

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

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

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)

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8. EXPOSURE CONTROLS/PERSONAL PROTECTION**8.1 Control parameters**

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8.1.1	Threshold limits		
	811-97-2	1.1.1.2 Tetrafluroethane	1000 ppm (8 h) 4240 mg/m ³ (8 h)
8.1.2	Other information on limit values		
	-		
8.1.3	Limit values in other countries		
	-		
8.1.4	DNELs		
	-		
8.2	Exposure controls		
8.2.2	Individual protection measures		
8.2.2.1	Respiratory protection		
	-		
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		
	-		

9. PHYSICAL AND CHEMICAL PROPERTIES

9.1	Important Health Safety and Environmental Information	
9.1.1	Appearance	
	Aerosol	
9.1.4	pH	-
9.1.6	Initial boiling point and boiling range	-26°C
9.1.7	Flash point	-
9.1.8	Evaporation rate	-
9.1.9	Flammability (solid, gas)	Will not burn
9.1.10	Explosive properties	
9.1.10.1	Lower explosion limit	-
9.1.10.2	Upper explosion limit	-
9.1.11	Vapour pressure	-
9.1.12	Vapour density	-
9.1.13	Relative density	1230Kg/m ³
9.1.14	Solubility(ies)	
9.1.14.1	Water solubility	-
9.1.14.2	Fat solubility (solvent - oil to be specified)	-
9.1.15	Partition coefficient: n-octanol/water	-
9.1.18	Viscosity	-
9.1.20	Oxidising properties	-
9.2	Other information	
	-	

10. STABILITY AND REACTIVITY

10.1	Reactivity
10.2	Chemical stability

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- 10.3** Possibility of hazardous reactions
- 10.4** Conditions to avoid
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- 10.5** Incompatible materials
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- 10.6** Hazardous decomposition products
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11. TOXICOLOGICAL INFORMATION

- 11.1** Information on toxicological effects
- 11.1.1** Acute toxicity
-
- 11.1.3** Sensitisation
-
- 11.1.4** Subacute, subchronic and prolonged toxicity
-
- 11.1.5** STOT-single exposure
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12. ECOLOGICAL INFORMATION

- 12.1** Toxicity
- 12.1.1** Aquatic toxicity
-
- 12.1.2** Toxicity to other organisms
-
- 12.2** Persistence and degradability
- 12.2.1** Biodegradation
-
- 12.2.2** Chemical degradation
-
- 12.3** Bioaccumulative potential
-
- 12.4** Mobility in soil
-
- 12.5** Results of PBT and vPvB assessment
- 12.6** Other adverse effects

13. DISPOSAL CONSIDERATIONS

- 13.1** Waste treatment methods
-
- 13.2** Waste from residues / unused products
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14. TRANSPORT INFORMATION

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

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14.4	Packing group	2
14.5	Environmental hazards	
14.6	Special precautions for users	
14.7	Transport in bulk according to Annex II of MARPOL 73/78 and the IBC Code	

15. REGULATORY INFORMATION

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15.1	Safety, health and environmental regulations/legislation specific for the substance or mixture
	-
15.2	Chemical safety assessment
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16. OTHER INFORMATION

16.1	Additions, Deletions, Revisions REGULATION (EC) No 1272/2008
16.3	Key literature references and sources for data -
16.6	Training advice -