

1. PRODUCT AND COMPANY IDENTIFICATION

Product name: PRECISION CLEANER PRF HFE

Approval date: 3.8.2005

Supplier: Taerosol Oy
Aakkulantie 21, 36220 Kangasala, Finland
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2. COMPOSITION / INFORMATION ON INGREDIENTS

Ingredients considered hazardous to health:

<u>CAS-number</u>	<u>Chemical name</u>	<u>Concentration</u>	<u>Symbols, R-phrases</u>
811-97-2	1,1,1,2-Tetrafluorethan	40-60 %	
163702-07-6	Methylperfluorobutyl Ethyl	15-30 %	R53
163702-08-7	(Perfluoroisobutyl) Methyl Ether	25-40 %	R53

3. HAZARDS IDENTIFICATION

Non-flammable. Very big concentrations in the air may effect headache, daze and indisposition.

May cause long-term adverse effects in the aquatic environment.

4. FIRST AID MEASURES

Eye contact: Flush thoroughly with water. If irritation continues, call a doctor.

Skin contact: Wash contact areas with warm water.

Inhalation: If unusual tiredness and queasiness occurs when breathing big concentrations, go to fresh air. If continuing call a doctor.

Ingestion: Take patient direct to doctor.

5. FIRE-FIGHTING MEASURES

Extinguishing media: Product does not burn.

Special fire fighting procedures: Risk of explosion, if the cans overheat in fire and pressure rises.

Special protective equipment: Normal protective equipment.

Other recommendations: -

6. ACCIDENTAL RELEASE MEASURES

Notification procedures: Controlled vaporizing.

Procedures if material is released or spilled: -

Environmental precautions: -

Personal precautions: Evacuate all unnecessary people.

7. HANDLING AND STORAGE

Handling: Breathing the vapours and continuous or long-term contacting to skin must be avoided.

Storage: In storage appropriate for aerosols.

8. EXPOSURE CONTROLS / PERSONAL PROTECTION

Ventilation: Adequate ventilation is recommended.

Respiratory protection: -

Eye protection: Normal industrial eye protection practices should be employed.

Skin protection: All contacts to skin must be avoided.

Exposure limits: -

9. PHYSICAL AND CHEMICAL PROPERTIES

Appearance and odour: Clear, non-scented gas

Boiling point: -26 °C (Tetrafluoretan), +61°C (HFE)

Melting point: -135°C (HFE)

Flash point: -

Auto-Flammability: -

Density: 1,36 g /cm³

Vapour pressure: -

Viscosity at 40 °C: Gas

Solubility in water: Insoluble

10. STABILITY AND REACTIVITY

11. TOXICOLOGICAL DATA

Inhalation: -

Eye irritation: -

Skin irritation: -

Other acute toxicity: Non-toxic in normal use.

12. ECOLOGICAL INFORMATION

Environmental fate and effects: -

13. DISPOSAL CONSIDERATIONS

Waste disposal: Empty cans must be disposed according to laws and environment officials.

14. TRANSPORT INFORMATION

UN-Number: 1950
ICAO/IATA: 2.2
RID/ADR: 2 (ADR)
IMDG: 2.2
EmS No F-D, S-U

15. REGULATORY INFORMATION

Pressurized container. Protect from sunlight and do not expose to temperatures exceeding +50°C. Do not pierce or burn, even after use. Do not spray towards eyes. Keep out of the reach of children.

R/S-phrases

R -
S -

16. OTHER INFORMATION**Further information****Source of information**

The information contained herewith is based on the information from raw material deliverers