

1. PRODUCT AND COMPANY IDENTIFICATION**Product name:** PRF DEGREASER**Approval date:** 3.8.2005

Supplier: Taerosol Oy
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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>Symbol / Risk phrases</u>
64742-49-0	Hydrocarbon solvents	40-60 %	F, Xn, N, R:11-38-65-67,51/53
74-98-6	Propane	10-20 %	F+, R 12
106-97-8	Butane	10-20 %	F+, R 12
67-63-0	Isopropanol (IPA)	10-20 %	F, Xi, R:11-36-67

3. HAZARDS IDENTIFICATION**Health:** Very big concentrations in the air may affect headache, daze and indisposition.**Environment:** Toxic to aquatic organisms. May cause long-term adverse effects in the aquatic environment**Fire:** Extremely flammable. Vaporizes easily**Other hazards:** The classification R 65 (Harmful: May cause lung damage if swallowed) does not apply for products in aerosol containers. (EU Directive 67/548 Annex VI 9.4)**4. FIRST AID MEASURES****Eye contact:** Flush thoroughly with water at least 10 min. If irritation continues, call a doctor.

Skin contact: Wash contact areas with soap and water. If irritation continues, call a doctor. Polluted clothes may be flammable, they must be moisten before taking off. Clothes must be washed before used again.

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

Ingestion: When taken internally, rinse with water. DO NOT VOMIT, contact doctor. Ingestion may cause pneumonia.

5. FIRE-FIGHTING MEASURES

Extinguishing media: Carbon dioxide, foam, powder and sand for small fires.

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

Special protective equipment: Normal protective equipment.

Other recommendations: -

6. ACCIDENTAL RELEASE MEASURES

Notification procedures: Dispose material according to current applicable laws and regulations.

Procedures if material is released or spilled: -

Environmental precautions: Prevent spills from entering to groundwater.

Personal precautions: Evacuate all unnecessary people.

7. HANDLING AND STORAGE

Handling: Breathing the vapours and continuous or long-term contacts to skin must be avoided. Keep away from sources of ignition. No smoking. Keep away from children.

Storage: In storage appropriate for extremely flammable 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. If necessary use PVC-gloves.

Exposure limits:

Hydrocarbon solvents (arom. < 0, 1 %)

500 ppm (8h)	630 ppm (15 min)
1800 mg/m ³ (8 h)	2300 mg/m ³ (15 min)

IPA

200 ppm (8 h)	250 ppm (15 min)
500 mg/m ³ (8h)	620 mg/m ³ (15 min)

Propane

800 ppm (8 h)	1100 ppm (15 min)
1500 mg/m ³ (8h)	2000 mg/m ³ (15 min)

Butane

800 ppm (8 h)	1000 ppm (15 min)
1900 mg/m ³ (8 h)	2350 mg/m ³ (15 min)

9. PHYSICAL AND CHEMICAL PROPERTIES

Appearance and odour:	Clear, colourless liquid
Boiling point:	50 °C (Hydrocarbon solvents), -20 °C (Prop./But.)
Melting point:	-
Flash point:	< 0°C
Auto flammability:	245 °C
Density:	700 kg/m ³
Explosion limits:	2,3 – 9,5 vol % (Propane)
Vapour pressure:	-
Viscosity at 40 °C:	-
Solubility in water:	Slightly soluble

10. STABILITY AND REACTIVITY

11. TOXICOLOGICAL DATA**Inhalation:** -**Eye irritation:** Irritating to eyes.**Skin irritation:** Irritates slightly skin.**Other acute toxicity:** Harmful: May cause lung damage if swallowed

12. ECOLOGICAL INFORMATION

Environmental fate and effects: Toxic to aquatic organisms. May cause long-term adverse effects in the aquatic environment

Additional: Soluble in water. Evaporates partly from water or soil. Big quantities may pollute soil and ground water.

13. DISPOSAL CONSIDERATIONS

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

14. TRANSPORT INFORMATION

UN-Number: 1950

ICAO/IATA: 2.1

RID/ADR: 2, (ADR)

IMDG: 2.1

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 on a naked flame or any incandescent material. Keep away from sources of ignition. No smoking. Keep away from children.

Warning symbol(s)

F+ Extremely flammable



Xn Harmful



N Dangerous for the environment



Risk phrase(s)

R 12	Extremely flammable
R 38	Irritating to skin
R 51/53	Toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment

Safety phrase(s)

S 2	Keep out of the reach of children.
S 16	Keep away from sources of ignition – No smoking
S 24/25	Avoid contact with skin and eyes.

16. OTHER INFORMATION**List of Risk phrases regarding the chemicals**

R 11	Highly flammable
R 12	Extremely flammable
R 36	Irritating to eyes
R 38	Irritating to skin
R 65	Harmful: May cause lung damage if swallowed
R 67	Vapours may cause drowsiness and dizziness.
R 51/53	Toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment

Further information**Source of information**

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