

1. PRODUCT AND COMPANY IDENTIFICATION

Product name: PRF PENETRATING OIL

Approval date: 3.8.2005

Supplier: Taerosol Oy
Aakkulantie 21, 36220 Kangasala, Finland
Tel. +358 33 56 56 00
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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> |
|-------------------|----------------------|----------------------|----------------------------------|
| 64741-65-7 | Hydrocarbon solvents | 30-40 % | Xn, R:-65-66 |
| | Mineral oil | 10-20 % | |
| | MoS2 | 1-3 % | |
| 74-98-6 | Propane | 5-15 % | F+, R 12 |
| 106-97-8 | Butane | 5-15 % | F+, R 12 |

3. HAZARDS IDENTIFICATION

Health: Repeated exposure may cause skin dryness.

Environment: -

Fire: Extremely flammable.

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.

Inhalation: -

Ingestion: 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
900 mg/m³ (8 h)

1200 mg/m³ (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: | Grey liquid |
| Boiling point: | 190-210 °C (Hydrocarbon solvents), -20 °C (Prop./But.) |
| Melting point: | - |
| Flash point: | < 0°C |
| Auto flammability: | - |
| Density: | 690 kg/m ³ |
| Explosion limits: | 2,3 – 9,5 vol % (Propane) |
| Vapour pressure: | - |
| Viscosity at 40 °C: | - |
| Solubility in water: | Insoluble |

10. STABILITY AND REACTIVITY

11. TOXICOLOGICAL DATA

Inhalation: -

Eye irritation: Irritates slightly eyes.

Skin irritation: Irritates slightly skin. Repeated exposure may cause skin dryness.

Other acute toxicity: Harmful: May cause lung damage if swallowed

12. ECOLOGICAL INFORMATION**Environmental fate and effects: -**

Additional: 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

**Risk phrase(s)**

R 12

Extremely flammable

R 66

Repeated exposure may cause skin dryness or cracking

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 12 | Extremely flammable |
| R 65 | Harmful: May cause lung damage if swallowed |
| R 66 | Repeated exposure may cause skin dryness or cracking |

Further information**Source of information**

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