

## 1. PRODUCT AND COMPANY IDENTIFICATION

**Product name:** ANTISTATIC SPRAY PRF 8-88

**Approval date:** 20.1.2006

**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>Symbol / Risk phrases</u>
64742-49-0	Hydrocarbon solvents	20-35 %	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)	20-35 %	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:** Do not extinguish with strong water-jet.

## 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. &lt; 0, 1 %)

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

IPA

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

Propane

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

Butane

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

**9. PHYSICAL AND CHEMICAL PROPERTIES**

<b>Appearance and odour:</b>	Clear, colourless liquid
<b>Boiling point:</b>	50 °C (Hydrocarbon solvents), -20 °C (Prop./But.) 82 °C (IPA)
<b>Melting point:</b>	-
<b>Flash point:</b>	< 0°C
<b>Auto flammability:</b>	-
<b>Density:</b>	700 kg/m <sup>3</sup>
<b>Explosion limits:</b>	2,3 – 9,5 vol % -
<b>Viscosity at 40 °C:</b>	-
<b>Solubility in water:</b>	Slightly soluble

**10. STABILITY AND REACTIVITY**

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**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



Xi

Irritant



N

Dangerous for the environment



**Risk phrase(s)**

R 12	Extremely flammable
R 36/38	Irritating to eyes and 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 23	Do not breathe vapour.
S 24	Avoid contact with skin.
S 61	Avoid release to the environment. Refer to special instructions/safety data sheets

**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