

**SAFETY DATA SHEET according to 2001/58/EC**

22406 DIRT PROTECTOR

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Holmenkol Sport-Technologies GmbH &amp; Co. KG

**1. IDENTIFICATION OF THE SUBSTANCE / PREPARATION AND OF THE COMPANY / UNDERTAKING****Product name:** 22406 DIRT PROTECTOR**Use / description of product:** Aerosol.**Company name:** HOLMENKOL Sport-Technologies GmbH & Co. KG

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**2. COMPOSITION / INFORMATION ON INGREDIENTS**

- Hazardous ingredients:** PROPAN 10-20%  
EINECS: 200-827-9 CAS: 74-98-6  
[F+] R12
- BUTAN 30-50%  
EINECS: 203-448-7 CAS: 106-97-8  
[F+] R12
  - ISOBUTAN 10-20%  
EINECS: 200-857-2 CAS: 75-28-5  
[F+] R12
  - C9 - C12 ISOALKANE 20-30%  
EINECS: 292-459-0 CAS: 90622-57-4  
[-] R10; [-] R53; [Xn] R65; [Xi] R66
  - BUTYLACETAT 1-10%  
EINECS: 204-658-1 CAS: 123-86-4  
[Xi] R66; [-] R67
  - ISOPROPYLACETAT 1-10%  
EINECS: 203-561-1 CAS: 108-21-4  
[F] R11; [Xi] R36; [-] R67

**3. HAZARDS IDENTIFICATION**

**Main hazards:** Extremely flammable. May cause long-term adverse effects in the aquatic environment. Repeated exposure may cause skin dryness or cracking.

**4. FIRST AID MEASURES (SYMPTOMS)****Skin contact:** There may be mild irritation at the site of contact.**Eye contact:** There may be irritation and redness.**Ingestion:** Headaches or general malaise may result.**Inhalation:** Drowsiness or mental confusion may occur.

[cont...]

**4. FIRST AID MEASURES (ACTION)**

- Skin contact:** Drench the affected skin with running water for 10 minutes or longer if substance is still on skin.
- Eye contact:** Bathe the eye with running water for 15 minutes. Transfer to hospital for specialist examination.
- Ingestion:** Transfer to hospital as soon as possible.
- Inhalation:** Remove casualty from exposure ensuring one's own safety whilst doing so. If unconscious, check for breathing and apply artificial respiration if necessary.

**5. FIRE-FIGHTING MEASURE**

- Extinguishing media:** Carbon dioxide. Dry chemical powder. Water spray.
- Protection of fire-fighters:** Wear self-contained breathing apparatus. Wear protective clothing to prevent contact with skin and eyes.

**6. ACCIDENTAL RELEASE MEASURES**

- Personal precautions:** Refer to section 8 of SDS for personal protection details.
- Environmental precautions:** Do not discharge into drains or rivers. Alert the neighborhood to the presence of fumes or gas.
- Clean-up procedures:** Clean-up should be dealt with only by qualified personnel familiar with the specific substance.

**7. HANDLING AND STORAGE**

- Handling requirements:** Ensure there is sufficient ventilation of the area. Do not handle in a confined space.
- Storage conditions:** Keep container tightly closed. Keep away from direct sunlight.
- Suitable packaging:** Must only be kept in original packaging.

**8. EXPOSURE CONTROLS / PERSONAL PROTECTION**

- Hazardous ingredients:**
- PROPAN  
MAK (8 St. Exposition): 1000 ppm (OES)
  - BUTAN  
MAK (8 St. Exposition): 1000 ppm (OES)
  - ISOBUTAN  
MAK (8 St. Exposition): 1000 ppm (OES)
  - C9 - C12 ISOALKANE  
MAK (8 St. Exposition): 200 ppm (OES)
  - BUTYLACETAT  
MAK (8 St. Exposition): 100 ppm Spitzenbegrenzung: 100 ppm (OES)
  - ISOPROPYLACETAT  
MAK (8 St. Exposition): 100 ppm Spitzenbegrenzung: 200 ppm (OES)
- Engineering measures:** Ensure there is sufficient ventilation of the area.

**Respiratory protection:** Self-contained breathing apparatus must be available in case of emergency.

**Hand protection:** Nitrile gloves. Breakthrough time of the glove material > 8 hours.

**Eye protection:** Safety goggles.

**Skin protection:** Solvent resistant protective clothing.

## 9. PHYSICAL AND CHEMICAL PROPERTIES

**State:** Aerosol

**Colour:** Colourless

**Odour:** Characteristic odour

**Evaporation rate:** Moderate

**Solubility in water:** Insoluble

**Flammability limits %: lower:** 1,4

**upper:** 32

**Flash point °C:** -60

**Autoflammability °C:** 510

**Vapour pressure:** 3500 hPa

**Relative density:** 0,71 g/ml

**VOC g/l:** 728

## 10. STABILITY AND REACTIVITY

**Stability:** Stable under normal conditions.

**Conditions to avoid:** Direct sunlight. Heat.

**Materials to avoid:** Oxidising agents.

**Haz. decomp. products:** In combustion emits toxic fumes of carbon dioxide / carbon monoxide.

## 11. TOXICOLOGICAL INFORMATION

**Chronic toxicity:** Danger of serious damage to health by prolonged exposure through inhalation. Danger of serious damage to health by prolonged exposure in contact with skin.

## 12. ECOLOGICAL INFORMATION

**Mobility:** Highly volatile.

**Persistence and degradability:** Not biodegradable.

**Bioaccumulative potential:** No data available.

**Other adverse effects:** No data available.

## 13. DISPOSAL CONSIDERATIONS

**Disposal operations:** D10 Incineration on land.

R3 Recycling/reclamation of metals and metal compounds.

**Waste code number:** 150110, 150104

**Disposal of packaging:** Arrange for collection by specialised disposal company.

**NB:** The user's attention is drawn to the possible existence of regional or national regulations regarding disposal.

**14. TRANSPORT INFORMATION**

**ADR / RID**

**UN no:** 1950

**ADR Class:** 2

**Classification code:** 5 F

**Shipping name:** DRUCKGASPACKUNGEN, AEROSOLS, FLAMMABLE

**Labelling:** 2.1



**IMDG / IMO**

**UN no:** 1950

**Class:** 2

**EmS:** F-D,S-U

**Marine pollutant:** .

**Labelling:** 2.1

**IATA / ICAO**

**UN no:** 1950

**Class:** 2.1

**Packing instructions:** 203

**Labelling:** 2.1

**15. REGULATORY INFORMATION**

**Hazard symbols:** Extremely flammable.



**Risk phrases:** R12: Extremely flammable.

R53: May cause long-term adverse effects in the aquatic environment.

R66: Repeated exposure may cause skin dryness or cracking.

**Safety phrases:** S51: Use only in well-ventilated areas.

**Precautionary phrases:** 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 out of the reach of children.

**Seveso II guideline:** Yes

**Water hazard class:** 1 Classification by VwVwS

**Air emission directive:** Class: III Item no: 5.2.5 Amount m%: 98

**Note:** The regulatory information given above only indicates the principal regulations

specifically applicable to the product described in the safety data sheet. The user's attention is drawn to the possible existence of additional provisions which complete these regulations. Refer to all applicable national, international and local regulations or provisions.

## 16. OTHER INFORMATION

**Other information:** Storage classification 2B Limited Quantities. AOX. no.

**Risk phrases used in s.2:** R12: Extremely flammable.

R10: Flammable.

R53: May cause long-term adverse effects in the aquatic environment.

R65: Harmful: may cause lung damage if swallowed.

R66: Repeated exposure may cause skin dryness or cracking.

R67: Vapours may cause drowsiness and dizziness.

R11: Highly flammable.

R36: Irritating to eyes.