



# SAFETY DATA SHEET

UNIPOL

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Issued: 13.11.2007

Revision No: 1

## 1. IDENTIFICATION OF THE SUBSTANCE / PREPARATION AND OF THE COMPANY / UNDERTAKING

**Product name:** UNIPOL  
**Product code:** C5  
**Company name:** AIRO CHEMIE  
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## 2. HAZARDS IDENTIFICATION

**Main hazards:** Flammable. Harmful by inhalation. Irritating to eyes and skin.  
**Other hazards:** Flammable. In use, may form flammable / explosive vapour-air mixture. Harmful by inhalation.  
Irritating to eyes. Irritating to skin.

## 3. COMPOSITION / INFORMATION ON INGREDIENTS

**Hazardous ingredients:** STYRENE 10-20%  
EINECS: 202-851-5 CAS: 100-42-5  
[-] R10; [Xn] R20; [Xi] R36/38

## 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:** There may be vomiting.  
**Inhalation:** There may be loss of consciousness.

## 4. FIRST AID MEASURES (ACTION)

**Skin contact:** Wash immediately with plenty of soap and water.  
**Eye contact:** Bathe the eye with running water for 15 minutes.  
**Ingestion:** Do not induce vomiting. Wash out mouth with water. If conscious, give half a litre of water to drink immediately. Consult a doctor.  
**Inhalation:** Remove casualty from exposure ensuring one's own safety whilst doing so. Move to fresh air in case of accidental inhalation of vapours. Consult a doctor.

## 5. FIRE-FIGHTING MEASURES

**Extinguishing media:** Carbon dioxide. Alcohol resistant foam. Dry chemical powder.  
**Exposure hazards:** Flammable. Harmful. In combustion emits toxic fumes of carbon dioxide / carbon monoxide.

[cont...]

**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. Do not attempt to take action without suitable protective clothing - see section 8 of SDS.

**Environmental precautions:** Do not discharge into drains or rivers.

**Clean-up procedures:** Absorb into dry earth or sand.

## 7. HANDLING AND STORAGE

**Handling requirements:** Ensure there is sufficient ventilation of the area. Smoking is forbidden.

**Storage conditions:** Keep away from sources of ignition. Keep away from direct sunlight.

**Suitable packaging:** Coated steel.

## 8. EXPOSURE CONTROLS / PERSONAL PROTECTION

**Hazardous ingredients:** STYRENE  
WEL (8 hr TWA): 430 mg/m<sup>3</sup> WEL (15 min STEL): 1080 mg/m<sup>3</sup>

**Engineering measures:** Ensure there is sufficient ventilation of the area.

**Respiratory protection:** Particle filter class P1 (EN143).

**Hand protection:** Viton gloves.

**Eye protection:** Tightly fitting safety goggles.

**Skin protection:** Protective clothing.

## 9. PHYSICAL AND CHEMICAL PROPERTIES

**State:** Liquid

**Colour:** Beige

**Odour:** Characteristic odour

**Solubility in water:** Slightly soluble

**Also soluble in:** Most organic solvents.

**Viscosity:** Highly viscous

**Viscosity value:** n.V.

**Boiling point/range°C:** 145

**Melting point/range°C:** n.V.

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

**upper:** 8

**Flash point°C:** 34

**Autoflammability°C:** 480

**Vapour pressure:** 7 mbar

**Relative density:** 1,86 g/cm<sup>3</sup>

**10. STABILITY AND REACTIVITY**

**Stability:** Stable under normal conditions.

**Conditions to avoid:** Direct sunlight. Sources of ignition.

**Materials to avoid:** Oxidising agents.

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

**11. TOXICOLOGICAL INFORMATION**

**Hazardous ingredients:** STYRENE  
IVN MUS LD50 90 mg/kg  
ORL MUS LD50 316 mg/kg  
ORL RAT LD50 2650 mg/kg

**12. ECOLOGICAL INFORMATION**

**Mobility:** Vapour is heavier than air.

**Persistence and degradability:** Not biodegradable.

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

**13. DISPOSAL CONSIDERATIONS**

**Waste code number:** 08 04 09

**Disposal of packaging:** Dispose of as normal industrial waste.

**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:** 1263

**ADR Class:** 3

**Packing group:** III

**Classification code:** F1

**Shipping name:** Farbe

**Labelling:** 3

**Hazard ID no:** 30

**IMDG / IMO**

**UN no:** 1263

**Class:** 3

**Packing group:** 1

**EmS:** F-E,S-E\*

**Labelling:** 3

## IATA / ICAO

UN no: 1263

Class: 3

Packing group: III

Packing instructions: 309 (P&amp;CA);310(CAO)

Labelling: 3

## 15. REGULATORY INFORMATION

Hazard symbols: Harmful.



Risk phrases: R10: Flammable.

R20: Harmful by inhalation.

R36/38: Irritating to eyes and skin.

Safety phrases: S2: Keep out of the reach of children.

S23: Do not breathe

S45: In case of accident or if you feel unwell, seek medical advice immediately (show the label where possible).

S51: Use only in well-ventilated areas.

Seveso II guideline: Yes

Water hazard class: 2 Classification by VwVwS

Air emission directive: Class: II Item no: 5.2.5 Amount m%: 11

**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:** This safety data sheet is prepared in accordance with Regulation (EC) No 1907/2006.

**Risk phrases used in s.3:** R10: Flammable.

R20: Harmful by inhalation.

R36/38: Irritating to eyes and skin.

**Legal disclaimer:** The above information is believed to be correct but does not purport to be all inclusive and shall be used only as a guide. This company shall not be held liable for any damage resulting from handling or from contact with the above product.