



## SAFETY DATA SHEET

SUPERFLEX

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Revision No: 2

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

**Product name:** SUPERFLEX

**Product code:** A2

**Use of substance / preparation:** Filler

**Company name:** AIRO CHEMIE

A. Schmiemann GmbH & Co KG

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### 2. HAZARDS IDENTIFICATION

**Main hazards:** Flammable.

**Other hazards:** In use, may form flammable / explosive vapour-air mixture.

### 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 irritation of the throat.

**Inhalation:** No symptoms.

### 4. FIRST AID MEASURES (ACTION)

**Skin contact:** Remove all contaminated clothes and footwear immediately unless stuck to skin. Wash immediately with plenty of soap and water.

**Eye contact:** Bathe the eye with running water for 15 minutes.

**Ingestion:** Wash out mouth with water.

**Inhalation:** Consult a doctor.

### 5. FIRE-FIGHTING MEASURES

**Extinguishing media:** Alcohol resistant foam. Water spray. Carbon dioxide. Dry chemical powder.

**Exposure hazards:** Flammable. In combustion emits toxic fumes. Forms explosive air-vapour mixture.

**Protection of fire-fighters:** Wear self-contained breathing apparatus. Wear protective clothing to prevent contact with skin and eyes.

[cont...]

**6. ACCIDENTAL RELEASE MEASURES**

**Personal precautions:** Refer to section 8 of SDS for personal protection details. Notify the police and fire brigade immediately. Eliminate all sources of ignition. Turn leaking containers leak-side up to prevent the escape of liquid.

**Environmental precautions:** Do not discharge into drains or rivers. Contain the spillage using bunding.

**Clean-up procedures:** Absorb into dry earth or sand. Transfer to a closable, labelled salvage container for disposal by an appropriate method. Do not use equipment in clean-up procedure which may produce sparks.

**7. HANDLING AND STORAGE**

**Handling requirements:** Smoking is forbidden. Use non-sparking tools. Ensure there is sufficient ventilation of the area. Avoid the formation or spread of mists in the air.

**Storage conditions:** Store in cool, well ventilated area. Keep container tightly closed. Keep away from sources of ignition. Prevent the build up of electrostatic charge in the immediate area. Ensure lighting and electrical equipment are not a source of ignition.

**Suitable packaging:** Coated steel.

**8. EXPOSURE CONTROLS / PERSONAL PROTECTION**

**Hazardous ingredients:** STYRENE  
WEL (8 hr TWA): 86 mg/m<sup>3</sup> WEL (15 min STEL): 2

**Engineering measures:** Ensure there is sufficient ventilation of the area. Ensure lighting and electrical equipment are not a source of ignition.

**Respiratory protection:** Respiratory protection not required.

**Hand protection:** Protective gloves.

**Eye protection:** Safety glasses. Ensure eye bath is to hand.

**Skin protection:** Protective clothing.

**9. PHYSICAL AND CHEMICAL PROPERTIES**

**State:** Liquid

**Odour:** Characteristic odour

**Solubility in water:** Slightly soluble

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

**Viscosity:** 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

**Part.coeff. n-octanol/water:** n.v.

**Autoflammability°C:** 480

**Vapour pressure:** 7 mbar

**Relative density:** 1,94 g/cm<sup>3</sup>

**VOC g/l:** 216

**10. STABILITY AND REACTIVITY**

**Stability:** Stable under normal conditions. Stable at room temperature.

**Conditions to avoid:** Heat. Hot surfaces. Sources of ignition. Flames.

**Materials to avoid:** Strong oxidising agents. Strong acids.

**Haz. decomp. products:** In combustion emits toxic fumes.

**11. TOXICOLOGICAL INFORMATION**

**Hazardous ingredients:** STYRENE

IVN MUS LD50 90 mg/kg

ORL MUS LD50 316 mg/kg

ORL RAT LD50 2650 mg/kg

**Routes of exposure:** Refer to section 4 of SDS for routes of exposure and corresponding symptoms.

**12. ECOLOGICAL INFORMATION**

**Mobility:** Readily absorbed into soil.

**Persistence and degradability:** Biodegradable.

**Bioaccumulative potential:** No bioaccumulation potential.

**Other adverse effects:** Negligible ecotoxicity.

**13. DISPOSAL CONSIDERATIONS**

**Disposal operations:** Transfer to a suitable container and arrange for collection by specialised disposal company.

**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:** PAINT

**Labelling:** 3

**Hazard ID no:** 30



**IMDG / IMO**

**UN no:** 1263 **Class:** 3  
**Packing group:** III **EmS:** F-E,S-E\*  
**Marine pollutant:** .  
**Labelling:** 3

**IATA / ICAO**

**UN no:** 1263 **Class:** 3  
**Packing group:** III  
**Packing instructions:** 309(P&CA); 310(CAO)  
**Labelling:** 3

**15. REGULATORY INFORMATION**

**Hazard symbols:** Symbol not required.  
**Risk phrases:** R10: Flammable.  
**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.  
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