



Material Safety Data Sheet
According to 91/155 EC
Reviewed on 24.01.2003

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1. Identification of substance:

Product details

Trade name: Coverslip Resin

Article number: 4494

Manufacturer/Supplier

Sakura Finetek B.V.

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P.O.Box 40 2380 AA

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Zoeterwoude

Informing department:

Product Support

2. Composition/Data on components:

· **Chemical characterization**

· **Description:** Mixture of the substances listed below with harmless additions.

· **Dangerous components:**

xylene, mixture of isomers

Xn; R 10-20/21-38

50-100%

3. Hazards identification

· **Hazard designation:**



Xn Harmful

· **Information pertaining to particular dangers for man and environment**

R 10 Flammable.

R 20/21 Harmful by inhalation and in contact with skin.

R 38 Irritating to skin.

· **Classification system**

The classification is in line with current EC lists. It is expanded, however, by information from technical

literature and by information furnished by supplier companies.



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4. First aid measures

· **General information**

Symptoms of poisoning may even occur after several hours; therefore medical observation for at least 48 hours after the accident.

· **After inhalation**

Supply fresh air. If required, provide artificial respiration. Keep patient warm. Consult doctor if symptoms persist.

In case of unconsciousness bring patient into stable side position for transport.

- **After skin contact** Instantly wash with water and soap and rinse thoroughly.
- **After eye contact** Rinse opened eye for several minutes under running water.
- **After swallowing** In case of persistent symptoms consult doctor.

5. Fire fighting measures

- **Suitable extinguishing agents** CO₂, sand, extinguishing powder. Do not use water.
- **For safety reasons unsuitable extinguishing agents** Water with a full water jet.
- **Protective equipment:** Put on breathing apparatus.

6. Accidental release measures

- **Person-related safety precautions:** Wear protective equipment. Keep unprotected persons away.
- **Measures for environmental protection:** Prevent material from reaching sewage system, holes and cellars.
- **Measures for cleaning/collecting:**
Absorb with liquid-binding material (sand, diatomite, acid binders, universal binders, sawdust).
Dispose of contaminated material as waste according to item 13.
Ensure adequate ventilation.
Do not flush with water or aqueous cleansing agents



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7. Handling and storage

- **Handling**
- **Information for safe handling:** Ensure good ventilation/exhaustion at the workplace.
- **Information about protection against explosions and fires:**
Keep ignition sources away - Do not smoke.
Protect against electrostatic charges.
- **Storage**
- **Requirements to be met by storerooms and containers:** No special requirements.
- **Information about storage in one common storage facility:** Not required.
- **Further information about storage conditions:** Keep container tightly sealed.

8. Exposure controls and personal protection

- **Additional information about design of technical systems:** No further data; see item 7.
- **Components with critical values that require monitoring at the workplace:**
xylene, mixture of isomers
OES Short-term value: 441 mg/m³, 100 ppm
Long-term value: 220 mg/m³, 50 ppm
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- **Additional information:** The lists that were valid during the compilation were used as basis.
- **Personal protective equipment**
- **General protective and hygienic measures**
Keep away from foodstuffs, beverages and food.
Instantly remove any soiled and impregnated garments.
Wash hands during breaks and at the end of the work.
Avoid contact with the skin.
Avoid contact with the eyes and skin.
- **Breathing equipment:**
In case of brief exposure or low pollution use breathing filter apparatus. In case of intensive or longer exposure use breathing apparatus that is independent of circulating air.
- **Protection of hands:** Protective gloves.
- **Eye protection:** Tightly sealed safety glasses.
- **Body protection:** Protective work clothing.



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9. Physical and chemical properties:

· **General Information**

Form: Fluid

Colour: Light yellow

Smell: Like aromatic solvents

· **Change in condition**

Melting point/Melting range: Not determined

Boiling point/Boiling range: 137°C

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· **Flash point:** 30°C

· **Ignition temperature:** 500°C

· **Self-inflammability:** Product is not selfigniting.

· **Danger of explosion:** Product is not explosive. However, formation of explosive air/steam mixtures is possible.

· **Critical values for explosion:**

Lower: 1.1 Vol %

Upper: 7.0 Vol %

· **Steam pressure at 20°C:** 5 hPa

· **Density at 20°C** 0.925 g/cm³

· **Solubility in / Miscibility with**

Water: Not miscible or difficult to mix

· **Solvent content:**

Organic solvents: 54.3 %

· **Solids content:** 45.7 %

10. Stability and reactivity

· **Thermal decomposition / conditions to be avoided:** No decomposition if used according to specifications.

· **Dangerous reactions** No dangerous reactions known

· **Dangerous products of composition:** No dangerous decomposition products known



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11. Toxicological information

· **Acute toxicity:**
· **LD/LC50 values that are relevant for classification:**
xylene, mixture of isomers
Oral LD50 8700 mg/kg (rat)
Dermal LD50 2000 mg/kg (rabbit)
Inhalative LC50/4 h 6350 mg/l (rat)
· **Primary irritant effect:**
· **on the skin:** Irritant for skin and mucous membranes.
· **on the eye:** No irritant effect.
· **Sensitization:** No sensitizing effect known.
· **Additional toxicological information:**
The product shows the following dangers according to the calculation method of the General EC Classification Guidelines for Preparations as issued in the latest version:
Harmful
Irritant

12. Ecological information:

· **General notes:**
Water hazard class 2 (Self-assessment): hazardous for water.
Do not allow product to reach ground water, water bodies or sewage system.
Danger to drinking water if even small quantities leak into soil.
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13. Disposal considerations

· **Product:**
· **Recommendation**
Must not be disposed of together with household garbage. Do not allow product to reach sewage system.
· **Uncleaned packagings:**
· **Recommendation:** Disposal must be made according to official regulations.



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14. Transport information

- **Land transport ADR/RID and GGVS/GGVE (cross-border/domestic)**
- **ADR/RID-GGVS/E Class:** 3 (F1) Flammable liquids.
- **Kemler Number:** 30
- **UN-Number:** 1307
- **Packaging group:** III
- **Label 3**
- **Designation of goods:** 1307 XYLENES, mixture
- **Maritime transport IMDG/GGVSea:**
- **IMDG/GGVSea Class:** 3
- **UN Number:** 1307
- **Label 3**
- **Packaging group:** III
- **EMS Number:** F-E,S-D
- **Marine pollutant:** No
- **Correct technical name:** XYLENES, mixture
- **Air transport ICAO-TI and IATA-DGR:**
- **ICAO/IATA Class:** 3
- **UN/ID Number:** 1307
- **Label 3**
- **Packaging group:** III
- **Correct technical name:** XYLENES, mixture



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15. Regulatory information

· **Designation according to EC guidelines:**

The product has been classified and labelled in accordance with EC Directives / Ordinance on Hazardous Materials (GefStoffV)

· **Code letter and hazard designation of product:**

Xn Harmful

· **Risk phrases:**

10 Flammable.

20/21 Harmful by inhalation and in contact with skin.

38 Irritating to skin.

· **Safety phrases:**

9 Keep container in a well-ventilated place.

25 Avoid contact with eyes.

36/37 Wear suitable protective clothing and gloves.

60 This material and its container must be disposed of as hazardous waste.

· **National regulations**

· **Technical instructions (air):**

Class Share in %

II 54.3

· **Water hazard class:** Water hazard class 2 (Self-assessment): hazardous for water.

16. Other information:

These data are based on our present knowledge. However, they shall not constitute a guarantee for any specific product features and shall not establish a legally valid contractual relationship.

Department issuing data specification sheet

Product Support

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