

1 Identification of substance

- **Product details**
- **Trade name:** STAUF CCF-30 Resin
- *Application of the substance / the preparation* Adhesives
- **Europe:**
 Stauf Klebstoffwerk GmbH
 Oberhausener Strasse 1
 57234 Wilnsdorf
 Federal Republik of Germany
 Phone: 01149-273-930-1100
 Fax: 01149-273-930-1200
- **Emergency information:** CHEMTREC 1-800-424-9300 (USA) 1-703-527-3887 (International)

2 Composition/Data on components

- **Chemical characterization**
- **Description:** Mixture of the substances listed below with nonhazardous additions.

- **Dangerous components:**

100-42-5 styrene	10-25%
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- **Additional information:** For the wording of the listed risk phrases refer to section 16.

3 Hazards identification

- **Hazard description:** Not applicable.
- **Information pertaining to particular dangers for man and environment:**
 The product has to be labelled due to the calculation procedure of the "General Classification guideline for preparations of the EU" in the latest valid version.
 Flammable.
- **Classification system:**
 The classification was made according to the latest editions of international substances lists, and expanded upon from company and literature data.
- **NFPA ratings (scale 0 - 4)**



- **WHMIS-ratings (scale 0 - 4)**



4 First aid measures

- **After inhalation:** Supply fresh air; consult doctor in case of complications.
- **After skin contact:** Generally the product does not irritate the skin.
- **After eye contact:** Rinse opened eye for several minutes under running water.
- **After swallowing:** If symptoms persist consult doctor.

5 Fire fighting measures

- **Suitable extinguishing agents:** CO₂, sand, extinguishing powder. Do not use water.
- **For safety reasons unsuitable extinguishing agents:**
 Water

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Water with full jet

- **Protective equipment:** No special measures required.

6 Accidental release measures

- **Person-related safety precautions:** Wear protective equipment. Keep unprotected persons away.
- **Measures for environmental protection:** Do not allow to enter sewers/ surface or ground water.
- **Measures for cleaning/collecting:**
Absorb with liquid-binding material (sand, diatomite, acid binders, universal binders, sawdust).
Ensure adequate ventilation.
Do not flush with water or aqueous cleansing agents

7 Handling and storage

- **Handling:**
- **Information for safe handling:**
Ensure good ventilation/exhaustion at the workplace.
Prevent formation of aerosols.
- **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 receptacles:** No special requirements.
- **Information about storage in one common storage facility:** Not required.
- **Further information about storage conditions:** Keep receptacle tightly sealed.

8 Exposure controls and personal protection

- **Additional information about design of technical systems:** No further data; see item 7.

- **Components with limit values that require monitoring at the workplace:**

100-42-5 styrene

PEL	Short-term value: C 200,600* ppm Long-term value: 100 ppm *5-min peak in any 3 hrs
REL	Short-term value: 425 mg/m ³ , 100 ppm Long-term value: 215 mg/m ³ , 50 ppm
TLV	Short-term value: 170 mg/m ³ , 40 ppm Long-term value: 85 mg/m ³ , 20 ppm
BEI	

- **Additional information:** The lists that were valid during the creation were used as basis.
- **Personal protective equipment:**
- **General protective and hygienic measures:** Wash hands before breaks and at the end of work.
- **Breathing equipment:**
In case of brief exposure or low pollution use respiratory filter device. In case of intensive or longer exposure use respiratory protective device that is independent of circulating air.
- **Protection of hands:** Not required.
- **Material of gloves**
The selection of the suitable gloves does not only depend on the material, but also on further marks of quality and varies from manufacturer to manufacturer. As the product is a preparation of several substances, the resistance of the glove material can not be calculated in advance and has therefore to be checked prior to the application.
- **Penetration time of glove material**
The exact break trough time has to be found out by the manufacturer of the protective gloves and has to be observed.

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· **Eye protection:**



Tightly sealed goggles

9 Physical and chemical properties

· **General Information**

Form: Fluid
Color: According to product specification
Odor: Characteristic

· **Change in condition**

Boiling point/Boiling range: 145 °C (293 °F)

· **Flash point:** 31 °C (88 °F)

· **Ignition temperature:** 480.0 °C (896 °F)

· **Auto igniting:** Product is not selfigniting.

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

· **Explosion limits:**

Lower: 1.2 Vol %
Upper: 8.9 Vol %

· **Vapor pressure at 20 °C (68 °F):** 6.0 hPa (5 mm Hg)

· **Density at 20 °C (68 °F):** 1.97 g/cm³

· **Solubility in / Miscibility with**

Water: Not miscible or difficult to mix.

· **Solvent content:**

Organic solvents: 12.0 %
VOC Content: 244.3 g/l

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 decomposition:** No dangerous decomposition products known.

11 Toxicological information

· **Acute toxicity:**

· **Primary irritant effect:**

· *on the skin:* No irritant effect.

· *on the eye:* No irritating effect.

· **Sensitization:** No sensitizing effects known.

12 Ecological information

· **General notes:**

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

Do not allow product to reach ground water, water course or sewage system.

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Danger to drinking water if even small quantities leak into the ground.

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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.

14 Transport information

· **DOT regulations:**



- *Hazard class:* 3
- *Identification number:* UN2055
- *Packing group:* III
- *Proper shipping name (technical name):* STYRENE MONOMER, STABILIZED
- *Label:* 3

· **Land transport ADR/RID (cross-border):**



- **ADR/RID class:** 3 Flammable liquids
- **Danger code (Kemler):** 39
- **UN-Number:** 2055
- *Packaging group:* III
- **Description of goods:** 2055 STYRENE MONOMER, STABILIZED, solution

· **Maritime transport IMDG:**



- **IMDG Class:** 3
- **UN Number:** 2055
- *Label:* 3
- **Packaging group:** III
- **EMS Number:** F-E,S-D
- **Marine pollutant:** No
- **Proper shipping name:** STYRENE MONOMER, STABILIZED, solution

· **Air transport ICAO-TI and IATA-DGR:**



- **ICAO/IATA Class:** 3
- **UN/ID Number:** 2055
- *Label:* 3

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Trade name: STAUF CCF-30 Resin

Packaging group: III
Proper shipping name: STYRENE MONOMER, STABILIZED, solution

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15 Regulations

• **Sara**

• *Section 355 (extremely hazardous substances):*

None of the ingredient is listed.

• *Section 313 (Specific toxic chemical listings):*

All ingredients are listed.

• **TSCA (Toxic Substances Control Act):**

All ingredients are listed.

• **Proposition 65**

• *Chemicals known to cause cancer:*

None of the ingredients is listed.

• *Chemicals known to cause reproductive toxicity:*

None of the ingredients is listed.

• **Canadian Ingredient disclosure list**

• *Limit 0,1%*

All ingredients are listed.

• *Limit 1%*

None of the ingredients is listed.

• **Carcinogeny categories**

• *EPA (Environmental Protection Agency)*

None of the ingredients is listed.

• *IARC (International Agency for Research on Cancer)*

100-42-5 styrene 2B

• *NTP (National Toxicology Program)*

None of the ingredients is listed.

• *TLV (Threshold Limit Value established by ACGIH)*

100-42-5 styrene A4

• *MAK (German Maximum Workplace Concentration)*

100-42-5 styrene 5

• *NIOSH-Ca (National Institute for Occupational Safety and Health)*

None of the ingredients is listed.

• *OSHA-Ca (Occupational Safety & Health Administration)*

None of the ingredients is listed.

• **Product related hazard informations:**

The product has been classified and marked in accordance with directives on hazardous materials.

• **Risk phrases:**

Flammable.

• **Safety phrases:**

Do not breathe gas/fumes/vapour/spray.

In case of fire, use sand, carbon dioxide or powdered extinguishing agent. Never use water.

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

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Trade name: STAUF CCF-30 Resin*(Contd. of page 5)*

- **National regulations:**
- **Technical instructions (air):**

Class	Share in %
NK	10-25

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

16 Other information

This information is based on our present knowledge. However, this shall not constitute a guarantee for any specific product features and shall not establish a legally valid contractual relationship.

- **Department issuing MSDS:**
Produkttechnik
Stauf Klebstoffwerk GmbH
Oberhausener Strasse 1
57234 Wilnsdorf
Federal Republic of Germany
Phone: 01149-273-930-1100
Fax: 01149-273-930-1200
- **Contact:** Wolfgang Stauf, Phone/Fax 01149-171-531-5434

USA