

Material Safety Data Sheet

acc. to ISO/DIS 11014



Printing date 08/23/2006

Reviewed on 08/23/2006

1 Identification of substance

- **Product details**

- **Trade name:** STAUF WFR-930 Solva-Mastic
- *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
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- **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:**

79-20-9	methyl acetate	2.5-10%
67-64-1	acetone	2.5-10%
64-17-5	ethanol	2.5-10%

- **Additional information:** For the wording of the listed risk phrases refer to section 16.

3 Hazards identification

- **Hazard description:**



F Flammable

- **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.

Has a narcotizing effect.

Flammable.

Vapours may cause drowsiness and dizziness

- **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)**



Health = 2
 Fire = 3
 Reactivity = 0

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



HEALTH 2 Health = 2
 FIRE 3 Fire = 3
 REACTIVITY 0 Reactivity = 0

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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. Then consult a doctor.
- **After swallowing:** If symptoms persist consult doctor.

5 Fire fighting measures

- **Suitable extinguishing agents:**
CO₂, extinguishing powder or water spray. Fight larger fires with water spray or alcohol resistant foam.
- **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 product to reach sewage system or any water course.
Prevent seepage into sewage system, workpits and cellars.
Inform respective authorities in case of seepage into water course or sewage system.
Dilute with plenty of water.
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.

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.
Prevent impact and friction.
- **Storage:**
- **Requirements to be met by storerooms and receptacles:** Store in a cool location.
- **Information about storage in one common storage facility:** Not required.
- **Further information about storage conditions:**
Keep receptacle tightly sealed.
Store in cool, dry conditions in well sealed receptacles.

8 Exposure controls and personal protection

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

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

79-20-9 methyl acetate

PEL	610 mg/m ³ , 200 ppm
REL	Short-term value: 760 mg/m ³ , 250 ppm Long-term value: 610 mg/m ³ , 200 ppm
TLV	Short-term value: 757 mg/m ³ , 250 ppm Long-term value: 606 mg/m ³ , 200 ppm

67-64-1 acetone

PEL	2400 mg/m ³ , 1000 ppm
REL	590 mg/m ³ , 250 ppm
TLV	Short-term value: 1782 mg/m ³ , 750 ppm Long-term value: 1188 mg/m ³ , 500 ppm BEI

64-17-5 ethanol

PEL	1900 mg/m ³ , 1000 ppm
REL	1900 mg/m ³ , 1000 ppm
TLV	1880 mg/m ³ , 1000 ppm

· **Additional information:** The lists that were valid during the creation were used as basis.

· **Personal protective equipment:**

· **General protective and hygienic measures:**

- Keep away from foodstuffs, beverages and feed.
- Immediately remove all soiled and contaminated clothing.
- Wash hands before breaks and at the end of work.
- Do not inhale gases / fumes / aerosols.
- Avoid contact with the eyes and skin.

· **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.
- Use suitable respiratory protective device in case of insufficient ventilation.

· **Protection of hands:**

· *Material of gloves*

Butyl rubber, BR

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 through time has to be found out by the manufacturer of the protective gloves and has to be observed.

· **Eye protection:**



Tightly sealed goggles

9 Physical and chemical properties

· **General Information**

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

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- **Change in condition**
Boiling point/Boiling range: 55°C (131°F)
- **Flash point:** -2°C (28°F)
- **Ignition temperature:** 450.0°C (842°F)
- **Auto igniting:** Product is not selfigniting.
- **Danger of explosion:** Product is not explosive. However, formation of explosive air/vapor mixtures are possible.
- **Density at 20°C (68°F):** 1.540 g/cm³
- **Solubility in / Miscibility with**
Water: Fully miscible.
- **pH-value at 20°C (68°F):** 7
- **Viscosity:**
Dynamic at 20°C (68°F): 64000 mPas
- **Solvent content:**
Organic solvents: 21.9 %
VOC Content: 76.8 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 1 (Self-assessment): slightly hazardous for water
 Do not allow undiluted product or large quantities of it to reach ground water, water course or sewage system.

13 Disposal considerations

- **Product:**
- **Recommendation:**
 Liquid product must not be disposed of together with household garbage. Do not allow product to reach sewage system. If product has aged or solidified conventional means of disposal are acceptable.

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- **Uncleaned packagings:**
- **Recommendation:** Disposal must be made according to official regulations.
- **Recommended cleansing agent:** Water, if necessary with cleansing agents.

14 Transport information

· DOT regulations:



- *Hazard class:* 3
- *Identification number:* UN1133
- *Packing group:* III
- *Proper shipping name (technical name):* ADHESIVES
- *Label:* 3

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



- **ADR/RID class:** 3 Flammable liquids
- **Danger code (Kemler):** 33
- **UN-Number:** 1133
- *Packaging group:* III
- **Description of goods:** 1133 ADHESIVES, special provision 640H

· Maritime transport IMDG:



- **IMDG Class:** 3
- **UN Number:** 1133
- *Label:* 3
- **Packaging group:** III
- **EMS Number:** F-E,S-D
- **Marine pollutant:** No
- **Proper shipping name:** ADHESIVES

· Air transport ICAO-TI and IATA-DGR:



- **ICAO/IATA Class:** 3
- **UN/ID Number:** 1133
- *Label:* 3
- **Packaging group:** III
- **Proper shipping name:** ADHESIVES

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15 Regulations

• Sara

• *Section 355 (extremely hazardous substances):*

None of the ingredient is listed.

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

None of the ingredients is 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 for females:*

None of the ingredients is listed.

• *Chemicals known to cause reproductive toxicity for males:*

None of the ingredients is listed.

• *Chemicals known to cause developmental toxicity:*

64-17-5 ethanol

• Canadian Ingredient disclosure list

• *Limit 0,1%*

64-17-5 ethanol

• *Limit 1%*

79-20-9 methyl acetate

67-64-1 acetone

• Cancerogenity categories

• *EPA (Environmental Protection Agency)*

67-64-1 acetone

D

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

9003-20-7 Acetic acid ethenyl ester, homopolymer

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• *NTP (National Toxicology Program)*

None of the ingredients is listed.

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

67-64-1 acetone

A4

64-17-5 ethanol

A4

• *MAK (German Maximum Workplace Concentration)*

64-17-5 ethanol

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• *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.

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· **Hazard symbols:**



F Flammable

· **Risk phrases:**

Flammable.

Vapours may cause drowsiness and dizziness

· **Safety phrases:**

Keep out of the reach of children.

Do not breathe gas/fumes/vapour/spray.

Avoid contact with skin and eyes.

Do not empty into drains.

If swallowed, seek medical advice immediately and show this container or label.

Use only in well-ventilated areas.

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

· **National regulations:**

· **Technical instructions (air):**

Class	Share in %
NK	10-25

· **Water hazard class:** Water hazard class 1 (Self-assessment): slightly 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:**

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