

EC Safety Data Sheet according to Directive 1907/2006

Trade name: Soldering flux WF 300 S

Date of issue: 12.02.2004

Revised on: 24.03.2010

Date of print: 24.03.2010

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1. Name of product, characterization and company name

Information on the product

Trade name: **Soldering flux WF 300 S**

Usage of the product / preparation Flux for soft soldering

Identification of the manufacturer / supplier

Address: Stannol GmbH
Oskarstr. 3 -7
42283 Wuppertal
Phone: 0202 585 0
Fax: 0202 585 155
Emergency call: 0202 585 119
E-mail: werner.kruppa@stannol.de

2. Possible hazards:

Not a composition for the purposes of the Dangerous Substances Regulations, but nevertheless observe items 4-16

3. Composition/Information on the components

Chemical characterization: Watery solution of a mixture of dicarbon acids, wetting and conserving additives.

Composition according to EC 1907/2006:

Contents	CAS No.	EINECS No.	Symbols	R-phrases:	Substance
1-5%	n.a.	n.a.	Xi	36	Dicarbon Acids

The wording of the R-phrases stated is indicated in Section 16

4. First Aid measures

General information: Remove contaminated clothing immediately.
After inhalation: Keep the person quiet, take to the fresh air and seek medical aid.
After skin contact: Wash with plenty of water and soap.
After eye contact: Flush eyes with plenty of flowing water holding eye lids apart (protect the uninjured eye, remove contact lenses).
After ingestion: Rinse mouth immediately and drink plenty of water. Seek medical advice.
Physician's information
Treatment: Decontamination, treatment of symptoms.

5. Fire fighting measures

Extinguishing Media: Use extinguishing media appropriate to surrounding fire conditions

6. Accidental release measures

Personal precautions: Wear breathing apparatus if exposed to vapours/dust/aerosols (solder fume).
Environmental precautions: Do not allow to enter drains/surface water/groundwater.
Methods for cleaning up: Take up spilled product with liquid-binding material (universal binding agent) and dispose.

7. Handling and storage

Requirements for storage rooms and containers: Ensure adequate ventilation of the storage area.
Further information on storage conditions: Ensure the area is well ventilated.
Do not cool down below 5°

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8. Exposure controls and personal protection

Additional information on system design:

Necessary if there is a risk of exposure to of fumes.

Substances with limit values to be monitored at the working place:

Danger to health at the working place:

Peak limit category:

Working place limit values according to TRGS 900 from Section 2 for Germany:

Product name	CAS No.	ml/m ³ (ppm)	mg/m ³	Type	Category	Remarks
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Skin resorption / Sensitization: Skin resorption

Sensitization: ----

General protection and hygiene measures

Avoid direct contact with eyes, the skin and clothing.

Personal protection

Hand protection:

Avoid skin contact.

A safety glove according to DIN EN 420 of the following material should be used as hand protection:

Material of the safety glove:	nitrile rubber
Thickness of the glove material:	0.40 mm
Breakthrough time:	>480 min.

Throw-away glove:

Material of the safety glove:	nitrile rubber
Thickness of the glove material:	0.11 mm
Breakthrough time:	>480 min.

The safety glove provides protection which is limited in time (dependent on the activity). Avoid longer contact times and remove the substance from the glove by wiping or rinsing off.

The individual safety gloves must comply with the specifications of the EC Directive 89/686/EEC and the standard EN374. We recommend to use Camatril 730 from KCL or Dermatril 740 (throw-away glove). The breakthrough times stated above were determined with material samples of the recommended hand protection types during laboratory measurements of the company KCL according to EN374.

Please contact the supplier of CE-approved gloves (e.g. KCL GmbH, D-36124 Eichenzell or www.kcl.de), if the product is diluted in or mixed with other substances or if the conditions differ from the EN374.

Eye protection:

Wear safety glasses according to the EN 166:2001, e.g. eye glasses with side protection

Personal protection:

Light protective clothing

Environment protection:

9. Physical and chemical properties

Form:

Form:

liquid

pH-value:

Colour:

colourless

Odour:

odourless

Density:

at 20 °C

Ca.3

Boiling point:

at 1013 mbar

Ca.1,012 g/ml
>100 °C

Solubility in water:

at 20 °C

miscible mg/l

Solubility in organic solvents (at 20 °C)

Miscible in alcohol.

10. Stability and reactivity

Incompatibilities

No incompatibilities known
Possible with oxidising agents.

11. Toxicological information

The toxicological classification of the product is based on the results of the calculation procedure of the general preparation directive 1999/45/EC.

Acute toxicity:

Type	Value in mg/kg	Kind of administration	Species
LD50	3500	oral	Rat

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12. Ecological information

General information: Volatile organic compound: VOC: free

13. Disposal considerations

Disposal information

Product:

Dispose off as special waste

Further information:

Disposal only by authorized waste disposal company

Waste identity number:

Waste identity number EAK-code: 140603 (solvents and mixtures)

14. Transport information

The product is not classified as hazardous for transport

15. Legal regulations:

Not classified as dangerous compound

National regulations:

Water hazard class:

WGK 1 (weakly water-endangering)

Solvent ordinance (31.BimSchV)

VOC free

Ordinance on major accidents (12.BimSchV)

Classification VbF:

Classification according to the TA Luft:

Organic materials class III; whole-carbon-concentration: Max. acceptable

Ingredients:

Emission 50 mg/m³ (mass-flow-rate \geq 0,5 kg/h)

Water, dicarbon acids

16. Further information

relevant R-phrases in Section 3:

36 Irritates the eyes

n.a. not available

n.k. not known

Other information

This statement is based on our current knowledge and offers no assurance of product properties.

Department issuing the data sheet

Stannol GmbH/Quality Assurance/Laboratory

Contact person

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