

EU- Safety Data Sheet

Trade name: Flux Ex 500

Issued: 25.06.2003

Revised: 23.11.2004

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1. Chemical Identification

Trade name: **Flux Ex 500**

Manufacturer: Stannol GmbH
Oskarstr.3-7
42283 Wuppertal

Phone: Phone.: 0202 / 5850
0202 / 585118 sec.phone:-0202 / 585119

2. Composition/Information of Ingredients

Chemical characteristic: Alkoxyalcohol

Ingredients

Contents	CAS-Nr.	Symbols	Risk-Phrases	Chemical Name
85-95%	112-34-5	Xi	36	2-(2-Butoxyethoxy)ethanol

3. Hazards Identification:

Symbols



Irritant

R-phrases: 36 Irritant to eyes

4. First Aid Measures:

General : If casualty is unconscious but breathing, place in the recovery position. If breathing has stopped apply artificial breathing or give oxygen by mask
Remove patient to fresh air..

Inhalation : Wash hands with soap and water after contact. If any irritation resists, obtain medical attention.

Skin Contact : Flush **immediately** with plenty of water. In cases where spitting flux has entered the eye seek medical attention.

Eye Contact: Rinse mouth, drink plenty of water, avoid vomiting, seek medical attention.

Ingestion: Inhalation of the flux fumes given off at soldering temperatures will irritate the nose, throat and respiratory system. Repeated or prolonged exposure to flux fumes may cause shortness of breath and cough..

Hints : Decontamination, symptomatic treatment.

Treatment:

5. Fire Fighting Measures

Extinguishing Media: Suitable-dry chemical, carbon dioxide, water-spray or foam.
Use extinguishing media appropriate to surrounding fire conditions.

Special Fire-fighting Procedures: Wear self-contained breathing apparatus and protective clothing to prevent contact with skin and eyes.
Emits toxic fumes under fire conditions.

6. Accidental Release Measures:

Personal Protection: Keep away from sources of ignition, ventilate well spilled area.

Environmental protection: Do not let material spill into drains.

Procedure for cleaning: Pick up with absorbent material and clean contaminated area with plenty of water.

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7. Handling and Storage:

Advice for safer contact: The fumes, produced during soldering, should be extracted away from the breathing zone of the operators. Ensure the area is well ventilated.

Request for storage rooms: Storage rooms should be well ventilated.

Another details for storage: The product should be stored in a cool, dry area .
Container should be well closed.

8.Exposure Controls / Personal Protection:

Local exhaust or dilution ventilation and control of process conditions are suitable methods. Where engineering controls and work practises are not effective in controlling exposure then suitable respiratory protective equipment should be used.

Substance	CAS-Nr	ml/m ³ (ppm)	mg/m ³	Art
2-(2-Butoxyethoxy)ethanol	112-34-5		100	MAK(DFG)

Skin resorption:

Respiratory Protection: Necessary if there is a risk of exposure to high concentration of solvent vapours or flux fumes

Hand Protection: Avoid skin-contact.

We recommend protective gloves according DIN EN 420 of following material::

Glove material: nitrile rubber
Layer thickness: 0,40 mm
Breakthrough time: >480 Min.

One-way-gloves:

Glove material: nitrile rubber
Layer thickness: 0,11mm
Breakthrough time: 10 Min.

The gloves protect temporary (dependant of work). Avoid a long contact and remove the material after wetting and wash up the gloves.

The protective gloves to be used must comply with the specifications EC directive 89/686/EEC and the resultant standard EN374;for example Camatril 730.or Dermatril 740(one-way gloves) from KCL. The breakthrough times stated above were determined by KCL in laboratory tests acc. To EN374 with samples of the recommended glove types.

When dissolving in or mixing with other substances and under conditions deviating from those stated in EN 374 please contact the supplier of CE-approved gloves.(e.g.. KCL GmbH, D-36124 Eichenzell, or www.kcl.de)

Eye Protection: Operators should wear goggles or a face shield when transferring the liquids or at any other time where there is a risk of splashing

9. Physical and Chemical Properties

Appearance:	Liquid	
	Colour: colourless	Odour: alcoholic
Flashpoint (cc):	at 110 °C	
Ignition temperature:	at >220 °C	
Vapour pressure:	at 20 °C	7 mbar
Density:	at 20 °C	1,0 g/ml
Boiling point:	at 1013 mbar	224-229 °C

Solubility in organic solvents (at 20 °C):

Soluble in alcohol

Solubility in water (at 20°C):

miscibel

Explosion limits:	lower 0,7	Vol.-%
	upper 9,8	Vol.-%

10. Stability and Reactivity:

Incompatibilities

Protect from strong acids and strong bases.

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11. Toxicological Information

Acute Effects:

Causes eyes and skin irritation.

May be harmful if inhaled.

Material is irritating to mucous membranes and upper respiratory tract.

After absorption about skin, may be to become headache or dizziness.

12. Ecological Information:

General Information::

BOD5 11-54 % v.v.ThOD, BOD28 : 96% v. ThOD

13. Disposal Considerations:

Contact a licensed professional waste disposal service to dispose of this material.

Observe all federal, state and local environmental regulations.

EAK-Code : 070 104 (other organic solvents, wash-solvents)

14. Transport Information:

GGVS/ADR/RID: The product is not classified as hazardous for transport

15. Regulatory Information:

Labelling:

R-phrases: 36

This product has been classified and labelled according to EC regulations.

Irritant to eyes

Hazard symbols



irritant

S-phrases: 26

In case of contact with eyes, rinse immediately with plenty of water and seek medical advice

German regulations:

WGK:

WGK 1

TA Luft:

organische Stoffe Klasse III: Max. zulässige Emission: 0,15 g/m³ (Massenstrom $\geq$ 3 kg/h)

16. Other Information:

Other information

The above information is believed to be correct but does not purport to be all inclusive and shall be used only as a guide..

Safety data-sheet is written by:

Stannol GmbH

Contact-person:

Dr. W. Kruppa