

EU- Safety Data Sheet

Trade name: 500-6-B Liquid flux

Product-Nr.:

Issued: 30.04.2003

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1. Chemical Identification

Tradename: **500-6-B Liquid Flux**

Manufacturer: Stannol GmbH
Oskarstr.3-7
42283 Wuppertal

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

2. Composition/Information of Ingredients

Chemical characteristic:

Ingredients

Contents	CAS-Nr.	Symbols	Risk-Phrases	Chemical Name
>90%	67-63-0	F; Xi	11-36-67	Propan-2-ol
<3%		Xi	36	Dicarboxylic Acids
<5%	8050-09-7	Xi	43	Rosin

3. Hazards Identification:

Symbols



Highly flammable

R-phrases: 11
36
67



Irritant

Highly flammable
Irritant to eyes
Vapours can cause dizziness and drowsiness.

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

Inhalation

Remove patient to fresh air..

Skin Contact :

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

Eye Contact:

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

Ingestion:

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

Hints

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..

Treatment:

Decontamination, symptomatic 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:

Wear self contained breathing apparatus, rubber boots and heavy rubber gloves..

Avoid contact with the skin and eyes.

Sweep up, place in a bag and hold for waste disposal.

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7. Handling and Storage:

The fumes produced during soldering should be extracted away from the breathing zone of the operators. Ensure the area is well ventilated. Avoid inhaling the flux fume. Wash hands with soap and warm water after handling, particularly before eating, drinking or smoking. The product should be stored in a cool, dry area suitable for flammable goods

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
Propan-2-ol	67-63-0	200	500	MAK (DFG)

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.

This recommendation applies only to the product: Isopropanol

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:	amber		Oduor: alcoholic
Flashpoint (cc):	at	12 °C		
Ignition temperature:	at	425 °C		
Vapour pressure:	at	20 °C	40 mbar	
Density:	at	20 °C	0,801 g/ml	
Boiling point:	at	1013 mbar	ab 78 °C	
Solubility in water:	at	20 °C	Partly mg/l miscible	
Solubility in organic solvents (at 20 °C)				
In alcohol unlimited soluble				
Explosion limits:	lower	3,5	Vol.-%	
	upper	15	Vol.-%	
Dynamic Viscosity:	at	20 °C	n.b. mPas	

10. Stability and Reactivity:

Incompatibilities

Protect from strong acids and strong bases.

Hazardous combustion or decomposition products:

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11. Toxicological Information

Acute Effects:

Causes skin irritation.

May be harmful if absorbed through the skin.

May be harmful if inhaled.

Material is irritating to mucous membranes and upper respiratory tract.

Harmful if swallowed.

Toxicity Data: refer to main component

Type	mg/Kg		Species
LD.50	>4000	oral	Rat

12. Ecological Information:

General Information:: Volatile organic compounds: VOC >90 %

13. Disposal Considerations:

Contact a licensed professional waste disposal service to dispose of this material.
Observe all federal, state and local environmental regulations.

14. Transport Information:

GGVS/ADR/RID:	Class	3	F1
	UN-Nr.:	1219	Kemlerzahl:33
	Packaging group:	II	

Technical shipping name: Isopropanol,
Isopropylalcohol

Sea-ship transport IMDG:	Class:	3	Ziffer:2
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IMDG-Code:	3.2	EMS-Nr.:3-06
M.-Pollutant:	no	MFAG- Tafel:305

Air transport IATA:	Propper Shipping Name:	Isopropanol (Isopropylalcohol)		
	Klasse:	3	Ziffer:2	Packaging group: II
	Propper Shipping Name:	Isopropanol (Isopropylalcohol)		

15. Regulatory Information:

Labelling:

R-phrases: 11
36
67

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

Highly flammable

Irritant to eyes

Vapours can cause dizziness and drowsiness.

Hazard symbols



Highly flammable



Irritant

S-phrases: (2)
7
24/25
26

Keep out of the reach of children.

Keep container tightly closed.

Avoid contact with eyes and skin.

In case of contact with eyes rinse immediately with plenty of water and seek medical service.

German regulations:

VbF:

B

WGK:

WGK 1

TA Luft:

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

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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