

# EC Safety Data Sheet according to Directive 1907/2006

Trade name: HX21 Medium

Date of issue: 22.12.2003

Revision date: 14.09.2010

Date of print: 16.09.2008

Page: 1(4)

## 1. Name of product, characterization and company name

### Information on the product

Trade name: **HX21 Medium**  
Usage of the product / preparation: Paste for soft soldering

### Identification of the manufacturer / supplier

Address: Stannol GmbH  
Oskarstr. 3 -7  
42283 Wuppertal  
Telefon: 0202 585 0  
Fax: 0202 585 155  
Emergency call: 0202 585 119 (only during trading hour ( 8:00 h – 17:00 h)  
E-mail: werner.kruppa@stannol.de

## 2. Possible hazards:

### Danger symbols



Irritating

R-phrases: 36/38 Irritates eyes and skin.

Additional hazards for human health and environment:

## 3. Composition/Information on the components

Chemical characterization: Thickened solution of amides

### Composition according to EC 1907/2006:

Contents	CAS No.	EINECS No.	Symbols	R-phrases:	Substance
9,5%	n.k.	n.k.	Xi	36/38	Morpholinsalze
0,5%	n.k.	n.k.	Xi	36/38	Morpholin-Fluoridkomplex
10-15%	6915-15-7	230-022-8	Xi	36	Äpfelsäure

Additional hints: 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 **immediately** 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

**Suitable extinguishing media:** Suitable-dry chemical, carbon dioxide, water-spray or foam.  
**Special protective equipment for fire fighting** Wear self contained breathing apparatus and protective clothing to prevent contact with skin and eyes.  
**Additional advice:** Emits toxic fumes under fire conditions.

# EC Safety Data Sheet according to Directive 1907/2006

Trade name: HX21 Medium

Date of issue: 22.12.2003

Revision date: 14.09.2010

Date of print: 16.09.2008

Page: 2(4)

## 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:** Caution: Danger of slipping. Floor may be slippery. Take up spilled product with neutralizing, liquid-binding material (universal binding agent) and dispose.  
Provide sufficient room ventilation, install local exhaust ventilation, if necessary. Avoid formation of aerosol.

## 7. Handling and storage

**Advice on safe handling:**  
**Fire and explosion protection:** No special measures required.  
**Requirements for storage rooms and containers:** Store only in original container.  
Ensure adequate ventilation of the storage area.  
**Hints on storage assembly:** Observe hints according to storage class concept VCI  
**Further information on storage conditions:** Keep container tightly closed and well ventilated.  
**Storage class VCI:** 12/13

## 8. Exposure controls and personal protection

**Additional information on system design**  
Provide sufficient ventilation. Install a local or a room ventilation, if required.

**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 <sup>3</sup> (ppm)	mg/m <sup>3</sup>	Type	Category	Remarks
--------------	---------	-------------------------	-------------------	------	----------	---------

**Working place limit values according to EC 2000/39 of the European Union**

**General protection and hygiene measures**

Avoid direct contact with eyes, the skin and clothing.

**Personal protection**

**Respiratory protection:** Respiratory protection: particle filter. Filter B E P3

**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:	10 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](http://www.kcl.de)), if the product is diluted in or mixed with other substances or if the conditions differ from the EN374.

**Eye protection:** Safety glasses according to EN 166:2001: Eye glasses with side protection

**Personal protection:** Light protective clothing

**Environment protection:** see Section 6 and 7; no other measures required.

# EC Safety Data Sheet according to Directive 1907/2006

Trade name: HX21 Medium

Date of issue: 22.12.2003

Revision date: 14.09.2010

Date of print: 16.09.2008

Page: 3(4)

## 9. Physical and chemical properties

Form:	Form:	pasty liquid		
	Colour:	Light yellow	Odour:	odourless
Change in physical state:				
Flash point (cc):	at	>216 °C		
Ignition temperature:	at	n.k. °C		
Density:	at	20 °C	n.k.	g/ml
Boiling Point:	at	1013 bar	>200 °C	
Solubility in water:	miscible	mg/m <sup>3</sup>		
ph-value of the substance:	at	20 °C	5-6	

## 10. Stability and reactivity

Reaction with:	Strong oxidizing media
Hazardous decomposition products:	High temperatures breed penetrative/irritant vapours.

## 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.

Irritant effect on the eye:	Eye-contact may be result in irreversible damage.
Irritant effect on the skin:	High temperatures breed penetrative/irritant vapours.
Irritant effect on mucous membranes.:	Material is irritating to mucous membranes.

## 12. Ecological information:

Ecotoxicity:	
Aquatic toxicity:	no information available
Persistency and degradability:	no information available
Bioaccumulative potential	no information available
Ecotoxicity:	Bioaccumulation not known.
Water hazard class:	2 (self-classification according to VwVwS) water-endangering
Additional advice:	Do not allow to enter drains/surface water/groundwater or soil

## 13. Disposal considerations

Disposal information	
Product:	Dispose off as special waste
Further information:	Observe all federal, state and local environmental regulations. Disposal only by authorized waste disposal company
Waste identity number:	140605 (recommended)

## 14. Transport information

Land transport GGVS/ADR/RID:	No hazardous material
Marine transport IMDG:	No hazardous material
Air transport IATA:	No hazardous material

# EC Safety Data Sheet according to Directive 1907/2006

**Trade name:** HX21 Medium

Date of issue: 22.12.2003

Revision date: 14.09.2010

Date of print: 16.09.2008

Page: 4(4)

## 15. Legal regulations:

### Labelling information:

**R-phrases:** 36/38

**Hazard symbols**



Irritating

The product is classified and labelled according to the EC Directives.

Irritates eyes and skin.

**S-phrases:** (2)

23

24/25

26

Keep out of reach of children.

Do not breathe fumes, vapour, spray

Avoid skin and eye contact

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

**Water hazard class:**

WGK 2 water-endangering

**Ingredients:**

Look point 3

**Storage class VCI:**

12/13

## 16. Further information

**Wording of the R-phrases in Section 2 and 3:**

36/38 Irritates eyes and skin.

36 Irritates eyes

**n.k.:** not known

**n.a.:** not applicable

### 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

Dr. Kruppa