

K 3812 0250



EC Safety Data Sheet according to Directive 1907/2006

Trade name: **Soldering Grease**

Date of issue: 18.12.2003

Revision date: 14.02.2011

Date of print: 20.12.2011

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1. Name of product, characterization and company name

Information on the product

Trade name: **Soldering Grease**
 Usage of the product / preparation: **Paste 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 (only during trading hour (8:00 h – 17:00 h)
 E-mail: werner.kruppa@stannol.de

2. Possible hazards:

Danger symbols



Dangerous for the environment



Irritating

R-phrases: **36/37/38** Irritates eyes, respiratory organs and skin.
51/53 Toxic to aquatic organisms, can have potential longer term damage in natural waters.

Additional hazards for human health and environment:

3. Composition/Information on the components

Chemical characterization: Emulsion of a zinc and ammonium chloride solution in mineral fats

Composition according to EC 1907/2006:

Contents	CAS No.	EINECS No.	Symbols	R-phrases:	Substance
<10%	7646-85-7	231-592-0	Xn; C; N	22-34-50/53	Zinc chloride
<2%	12125-02-9	235-186-4	Xn	22-36	Ammonium chloride
Remainder	92045-77-7				Vaseline

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 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

Suitable extinguishing media: Powder, foam, CO₂ ; water jet.
Special protective equipment for fire fighting
 Wear self contained breathing apparatus.
Additional advice: Do not discharge fire extinguishing water into surface water, groundwater and the soil.

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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: For reasons of quality store in a cool, dark place.
Storage class VCI: 8A

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 ³ (ppm)	mg/m ³	Type	Category	Remarks
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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.

This information is valid for: zinc chloride / ammonium chloride

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:

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.

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9. Physical and chemical properties

Form:	Form:	pasty liquid	Odour:	odourless
Change in physical state:	Colour:	yellow		
Flash point (cc):	Softening point at 55°C	>150 °C		
Ignition temperature:	at	not known °C		
Density:	at	20 °C		ca. 0.9 g/ml
Evaporation rate:	(Ether = 1)	0		
Odour threshold:	odourless	mg/m ³		
ph-value of the substance:	at	20 °C		Water extract ca. 1

10. Stability and reactivity

Reaction with:	Strong oxidizing media
Hazardous decomposition products:	In the case of thermal decomposition formation of carbon monoxide and hydrogen chloride is possible

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		350	oral	Rat

Irritant effect on the eye:	Irritating
Irritant effect on the skin:	Irritating on mucuous membranes and the skin
Sensitization:	Sensitization not known

12. Ecological information:

Ecotoxicity:	
Aquatic toxicity:	no information available
Persistency and degradability:	no information available
Bioaccumulative potential	no information available
Ecotoxicity:	Toxic to aquatic organisms. Can have potential longer term damage in natural waters.
Water hazard class:	3 (self-classification according to VwVwS) highly 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:	Disposal only by authorized waste disposal company
Waste identity number:	

14. Transport information

Transport GGVSEB/ADR:	Class:	9	Classification code:	M7
	UN-No.:	3077		
	Packing group:	III		
	Hazard label:	9		
	Limited quantity:	5 kg		
	Proper shipping name:	environmentally hazardous substance, solid N.A.G. (contains <10% zinc chloride)		
Marine transport IMDG:	Class:	9	EmS	F-A-S-B
	Hazard label:	9	Marine pollutant:	No
	Proper shipping name:	ENVIRONMENTALLY HAZARDOUS SUBSTANCE, solid N.A.G. (contains <10% zinc-chloride)		
Air transport IATA:	Class:	9		
	Hazard label:	9		
	Proper shipping name:	ENVIRONMENTALLY HAZARDOUS SUBSTANCE, solid N.A.G. (contains <10% zinc-chloride)		

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15. Legal regulations:

Labelling information:

R-phrases: 36/37/38
51/53

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

Irritates eyes, respiratory organs and skin.

Toxic to aquatic organisms, can have potential longer term damage in natural waters.

Danger symbols



Dangerous for the environment



Irritating

S-phrases: (2)
24/25
61

Keep out of reach of children.

Avoid skin and eye contact

Avoid release into the environment. Ask for special instructions/Refer to the Safety Data Sheet.

Water hazard class:

WGK 3 highly water-endangering

Techn. Anleitung Luft (TA-Luft)

VOC:

Ingredients:

Ammonium chloride, zinc chloride

16. Further information

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

R 36/37/38 Irritates eyes, respiratory organs and skin.

R 51/53 Toxic to aquatic organisms, can have potential longer term damage in natural waters.

R 34 Causes causticizations

R 22 Harmful if swallowed

R 36 Irritates the eyes

R 50/53 Very toxic to aquatic organisms, can have potential longer term damage in natural waters

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