



Safety data sheet/ EG-Sicherheitsdatenblatt

Date of establishment: 29/10/02
Revision date:

Product/ Product group: **Soldering flux**

1.1 Substance/Preparation and Company Name

1.2 Information on the product

1.2 Information on manufacturer/Supplier

Supplier: **Tiffany Glaskunst GmbH**
Street: **Helleforthstr. 18-20**
UIP Code/town: **D-33758 Schloß Holte Stukenbrock**
Tel.: **+49 5207 91280**
Fax.: **+49 5207 912840**
e-mail: **tgk@tgk.de**
Internet: **http://www.tgk.de**

Telephone number in emergency cases: 05207-9128-0

2. Composition/Information on Ingredients

Chemical characteristics:

Zn Cl₂ & H₂O solution.

Possible dangerous ingredients:

CAS-No.	Component	%	Symbol	R-phrases S-phrases
7440666	Zinc chloride	No datas available	C - corrosive	R34 S 7/8 28 Store at a dry and cool place. Keep container firmly locked. In case of skin contact wash immediately for at least 15 min.

3. Possible hazards

Corrosive.

Hazard class:

Health: 1

Inflammability: 0

Reactivity: 1

4: extreme

3: high

2: moderate
1: low
0: negligible

4. First Aid Measures

Breathing: remove affected person to fresh air.
Skin contact: rinse for at least 15 min.
Eye contact: rinse for at least 15 min.
Ingestion: keep affected person in warm condition and consult doctor.

5. Fire fighting measures :

Appropriate medium for fire fighting:
Foam, water

Special fire fighting equipment in case of fire:
Self-contained breathing apparatus.

6. Accidental release measures:

Remove all sources of ignition, wear self-contained breathing apparatus and protective clothing. Dispose of in special disposal container.

Absorb spilled liquid with inert material.

Disposal method: Consult disposal specialist, waste product has possibly a flame point of less than 60 C. Disposal has to be effected in accordance with national regulations by an approved disposal specialist.

7. Handling and storage:

Store in a cool and dry place, away from other chemicals, flames or sources of ignition. Don't allow to freeze.

8. Expose controls and personal protection:

Technical protection measures:
Provide for adequate ventilation/exhaust at working place.

Additional information on technical equipment:
If necessary wear respiratory protective equipment in closed rooms.

Components with limit values at work place which have to be controlled:

CAS-No	Component	Regulation	Value	Unity
7440666	Zinkchlorid	ACGIH TLV (USA, maximum permissible concentration)	1 mg	m ³ b
		OSHA PEL	1 mg	m ³ b

Respiratory protective equipment: Respiratory protective mask

Hand protection: Gloves of neopren

Eye protection: Protective goggles

Skin protection: Protective clothing, don't allow contact with skin or eyes.

9. Physical and chemical properties:

Appearance:

Form: syrup liquid
Colour: clear
Odour:

Boiling point: 100 C
Flame point: no datas available
Vapour pressure: like water
Relative pressure: like water
Solubility in water: soluble

10. Stability and reactivity
No datas available.

11. Toxicological information:

Can cause irritation in case of skin and eye contact.
Can cause nausea and dizziness in case of inhalation.
Can cause gastric trouble, nausea, vomiting and diarrhoe in case of ingestion.

12. Ecological information:

No datas available.

13. Disposal considerations:

Refer to section 6.

14. Transport information:

Dangerous good according to transport regulations: Yes: No:

LIMITED QUANTITIES:

Within these limits the product is no dangerous good:

Lower limit: 3 KG
Upper limit: 12 KG

Road transport:

ADR/RID/GGVS/GGVE-class: 8
Number/Letter: 5c)
Warning sign
Hazard no.: 80
Material no.:
Designation of product: Zinc chloride, solution
Additional information: UN-No. 1840

15. Regulatory information:

Designation of the components that are detailed at the warning label:
Zinc chloride

R-phrases:
R34 corrosive

S-phrases:
S7/8 Keep container in dry place and firmly locked
S28 In case of skin contact rinse immediately with plenty of water.

Labeling of product:
Corrosive.

Danger designation:

C corrosive

16. Other information

The information contained herein is based on the present state of our knowledge and does not therefore guarantee certain properties. Recipients of our product must take responsibility for observing existing laws and regulations.