

Data Sheet

Product/Product Group: **Soldering Solution Frutti**

Composition / Information on Ingredients

Chemical Characteristics

CAS No 7646-85-7

Salt-sour zinc 14%

Citric acid 12%

Glycerine 7%

Destil, water, wetting agents, odoriferous & aromatic agents, food colorants.

Possible Hazards

Hazard Symbol

C Corrosive

Special hazard indications for humans & environment

R34 Leads to cauterizations

First Aid Measures

General Information

Inhalation

Fresh air. If discomfort persists, consult doctor. It is recommended to use a prophylactic dosis of dexamethasone spray.

Skin Contact

Remove contaminated clothes immediately. Wash with water and soap immediately and flush abundantly. If skin irritation persists consult doctor.

Eye Contact

Flush eyes immediately for at least 15 min under running water with open palpebral fissure. Consult doctor if discomfort persists.

Ingestion

Rinse mouth immediately with plenty of water, drink plenty of water. Do not induce vomiting. Contact doctor immediately.

Fire Fighting Measures

Appropriate extinguisher agent

Material is not combustible

Measures in Case of Accidental Release

Personal Safety Measures

Wear protective clothes, keep unprotected persons away from material. Protective equipment; Gloves – PVC, neoprene or nitril caoutchouc.

Environmental Protection

Dilute soldering solution abundantly with water – Mix 1 L soldering solution + 10 L water and dispose of through canalisation in accordance with local regulations.

Methods for Cleaning up

Dilute spilled soldering solution with water and clean up with normal cloth. Rinse cloth thereafter intensively with water or absorb spilled material with absorbing material.

Handling and Storage

Information on Secure Storage

Container should be firmly locked and stored in a cool, dry place. Prevent children from accessing material.

Information on Protection Against Fire and Explosion

Product is not combustible.

Requirements for Storage Room and Containers

Store firmly locked – Store in a cool place.

Exposure Limits and Personal Protection

Ingredients with exposure limits which have to be controlled

- **CAS-No** 7667-85-7
- **Designation of the material** Salt-sour zinc
- **%** ca. 24,5
- **TLV (USA)**
- **Value Unit** 1 mg/m³

Personal Protective Equipment

General Protective & Hygiene Measures

Keep away from food, drinks & fodder. Remove contaminated clothes immediately. Wash hands before breaks and at the end of work. Avoid contact with eyes and skin.

Respiratory Protection

In case of short-term or weak contact use respiratory filter, in case of intensive long-term exposure use independent respiratory protection equipment.

Hand Protection

Protective Gloves.

Eye Protection

Protective goggles with side shields.

Body Protection

Protective working clothes.

Physical and Chemical Properties

Appearance

- **Form** Liquid
- **Colour** Blue
- **Odour** Citric

Data Relevant for Security Purposes

Change of State

- **Melting Point** 100° C
- **Flash Point** None
- **Ignition Point** None
- **Boiling Temperature** 100° C at 1013 bar
- **Explosion Limit** The product is not explosive
- **Vapour Pressure at 20° C** 23 mbar
- **Specific Gravity at 20° C** 1,033 g/cm
- **Viscosity at 20° C** 1,0
- **Solubility in Water** Soluble
- **Miscibility with Water** Miscible
- **pH-Value** At 100 g/l water ca 4,8

Stability and Reactivity

Thermic Decomposition

Materials to Avoid

Alcali

Toxicological Information

Experience with Humans

Acute toxicity: LD 50 oral, rat 350 350 mg/kg (ZnCL2 100%)

Skin

Permanent contact can lead to skin irritations. All mucous membranes are cauterised leading to formation of scurf. Resorbtion is effected at cauterised places. This can lead to death in case of greater injuries. Symptoms of intoxication after oral absorption: Nausea, vomiting, diarrhoea and blood in urine.

Eyes

Irritations can lead to tissue damage if not flushed immediately with water.

Sensibilisation

No sensitizing effects are known.

Ingestion

Gastric disorder and irritation of inner organs possible.

Ecological Information

Ecotoxicity

Aquatic Toxicity

Water hazard class 1 – Weak water hazard

Disposal Considerations

Recommendations

- May not be disposed of together with normal waste
- Disposal in accordance with local regulations
- Waste No. X 35 309 (Waste containing zinc)

Transport Information

Not Dangerous for Transport in Accordance with Transport Regulations

- **Overland transport ADR/RID and GGV/GGVAE**

Technical designation: 1840 salt-sour zinc, solution

GGVS/GGVE	Class 8	Subparagraph 5	Letter C
RID/ADR	Class 8	Subparagraph 5	Letter C
UN-No.	1840		

- **Sea transport IMDG/GGV See – Classification**

IMDG Code	Class 8	Page 82 47 UN-No. 1840 Pack. Group III
IMFAG-Ems	145/8-06.2	

- **Air transport ICAO-TI and IATA-DGR – Classification**

ICAO-IATA	Class 8
UN/ID No.	1840 Packing Group III

Regulations

Labelling According to EC Regulations

Symbol and hazard designation of the product

The product is classified and labelled according to EC regulations.

C Corrosive

R-Phrases

R34 Leads to cauterizations.

S-Phrases

S 7/8 Keep container dry and firmly locked.

S28 Rinse immediately with plenty of water in case of skin contact.

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.