

Section 01 Identification

Info furnished by: Fry Technology  
Address: 4100 Sixth Avenue  
Altoona, PA 16602  
Date Effective: 2/19/97  
Emergency Phone: (814) 946-1611  
Chemtrec 800-424-9300 (Use only in the event of chemical emergencies involving a spill, leak, fire, exposure, or accident involving chemicals.)  
Product or Trade Name Classic 100 Gel Flux  
Person to Contact Daren Cuppett / Jack Wagner

Section 02 Constituents

Chem	CAS	%WT	Carcinogen	TLV ACGIH	OSHA PEL
Alkyl Betaine		5-8	No	N/E	N/E
Fatty Acid Emulsifier		7-8	No	N/E	N/E
Zinc Chloride	7646-85-7	30-36	No	1.0mg/cu m (fume)	1.0mg/cu m (fume)
Glycerine	56-81-5	8-11	No	10.0mg/cu m	10.0 mg/cu m

Section 03 Physical Data

Melting Point N/A  
Boiling Point N/A  
Vapor Pressure N/A  
Vapor Density (air is 1) N/A  
Solubility in Water >95%  
Appearance & Color Amber translucent gel  
Specific Gravity 1.52  
Odor Mild to odorless  
% Volatile Nil  
pH 5.0

Section 04 Fire & Explosion Hazard Data

Flash Point/Method Used N/A  
Flammable Limits N/A  
Extinguishing Media N/A  
Fire-fighting equipment Wear self-contained breathing apparatus if the product is involved in a fire.  
Special precautions N/A

Section 05 Reactivity Data

Stability: Stable

Conditions to avoid: N/A

Hazardous Polymerization: Does not occur

Conditions to avoid: N/A

Incompatibility: Strong acids, heat

Hazardous Decomposition Products: The fumes emitted in a soldering operation may contain zinc oxide fumes and acid fumes.

Section 06 Spill, Leak and Disposal Procedures

Action to take for Spills/Leaks: Scrape up and put into sealed containers for disposal.

Disposal Method: According to Federal, State and Local Laws.

Section 07 Health Hazard Data

Eye: Severe irritant. May cause corneal injury.

Skin Contact: Severe irritant. May cause burns and ulceration.

Skin Absorption: Not known to be absorbent through the skin.

Ingestion: May cause internal ulceration.

Inhalation: Inhalation of hazardous materials is only likely during solder operations. Depending on temperature, zinc compounds and acid fumes could be emitted which would be severe irritants.

Section 08 First Aid Procedures

Eyes: Flush with water for 15 minutes. Get medical attention.  
Skin: Wash thoroughly with water.  
Ingestion: Get medical help immediately. Do not induce vomiting.  
Inhalation: Remove to fresh air. Get medical attention.  
Note to Physician: The product is a corrosive flux. If swallowed, the immediate effects will be due to the flux.

Section 09 Special Handling Information

Ventilation: Local ventilation required to prevent operator breathing fumes.  
Respiratory Protection: Required only if TLV's cannot be maintained. Use chemical fume mask.  
Eye Protection: Wear face shield during tinning operations.  
Skin Protection: Use chemical gloves.

Section 10 Special Precautions & Additional Information

Storage: Store in cool, dry area.  
Hygiene: No food, drink or tobacco should be allowed where this product is used. Wash hands thoroughly after handling and before eating, drinking or smoking.  
Labelling: Corrosive labels. Keep out of the reach of children. For industrial use only. Do not take internally.

Section 11 Hazard Rating

Based on NFPA and NPCA Systems  
Health - 2  
Flammability - 0  
Reactivity - 0  
Special Hazard - COR

The information is given in good faith, but no warranty, express or implied, is made.