



UTILITY MANUFACTURING CO., INC.  
700 MAIN STREET, WESTBURY, NY 11590  
(516) 997-6300 - FAX # (516) 997-6345

## MATERIAL SAFETY DATA SHEET

### B-813 PASTE SOLDERING FLUX

**FOR CHEMICAL EMERGENCY:** Spill, Leak, Fire, Exposure, or Accident - Call INFOTRAC - Day or Night: **1-800-535-5053**  
**THIS MSDS COMPLIES WITH 29 CFR 1910.1200** (HAZARD COMMUNICATION STANDARD) **IMPORTANT:** Read this MSDS before handling & disposing of this product. Pass this information on to employees, customers and users of this product.

#### PRODUCT IDENTIFICATION

DOT Shipping name: CONSUMER COMMODITY, ORM-D CAS NO.: MIXTURE  
Chemical Family: CHLORIDE UN/NA #:N/R  
DOT Hazard Class: N/R DATE OF ISSUE: 4/08

#### SECTION I - HAZARDOUS INGREDIENTS/EXPOSURE LIMITS

Hazardous Ingredients:	CAS #	TLV/PEL	AGENCY	TYPE	SARA-313(% Range)
ZINC CHLORIDE	7646-85-7	1 MG/M3	ACGIH	TWA	40-50

#### SECTION II - EMERGENCY AND FIRST AID PROCEDURES

**WARNING: CORROSIVE**

**EYE CONTACT:** If product is splashed into eyes, flush eyes with clean water for at least 15 minutes and **seek medical attention.**

**SKIN CONTACT:** Remove contaminated shoes and clothing and cleanse affected areas thoroughly by washing with mild soap and water and **seek medical attention.**

**INHALATION: (breathing)** Not expected to be a hazard under normal operating conditions.

**INGESTION: (swallowing)** If swallowed, **seek emergency medical attention.** Do not induce vomiting. Offer victim water or milk. Do not give diluents to someone who is unconscious or having trouble swallowing.

#### SECTION III - HEALTH HAZARDS / ROUTES OF ENTRY

**EYE CONTACT:** Eye contact with one or more components of this product can lead to conjunctivitis and corneal burns.

**SKIN CONTACT:** Contact with the skin can lead to severe burns or dermatitis and ulceration depending on duration of exposure.

**SKIN ABSORPTION:** Components of this product are not known to be skin-absorbing agents.

**INHALATION: (breathing)** Not expected to be a hazard under normal operating conditions.

**INGESTION: (swallowing)** Ingestion can lead to stomach pains, nausea, vomiting, bloody diarrhea, edema, albuminuria, and shock.

#### SECTION IV - SPECIAL PROTECTION INFORMATION

**VENTILATION:** Use with adequate ventilation to maintain airborne concentrations below established exposure limits (see section I); Additional ventilation or exhaust systems may be required.

**RESPIRATORY PROTECTION:** None required under routine conditions of use. The use of respiratory protection is advised when concentrations exceed the established exposure limits (see Section I).

**PROTECTIVE GLOVES:** The use of gloves impermeable to the specific material handled is advised to prevent possible irritation.

**EYE PROTECTION:** Approved eye protection to safeguard against potential eye contact, irritation or injury is recommended.

#### SECTION V - REACTIVITY DATA

**STABILITY:** Stable

**INCOMPATIBILITY:** (materials to avoid) This product is incompatible with: Oxidizing agents, strong acids and bases potassium, bromine pentafluoride, nitrogen trioxide, hydrogen cyanide, iodine pentafluoride and potassium chlorate.

**HAZARDOUS DECOMPOSITION PRODUCTS:** Thermal decomposition in the presence of air may yield carbon monoxide, carbon dioxide.

**HAZARDOUS POLYMERIZATION:** Will not occur

#### SECTION VI - SPILL OR LEAK PROCEDURES

**PRECAUTIONS IN CASE OF LEAK OR SPILL:** Keep all sources of ignition and hot metal surfaces away from spill/release. Stay upwind and away from spill/release. Isolate hazard area and limit entry to emergency crew only. Stop spill/release if it can be done without risk. Wear appropriate protective equipment including respiratory protection as conditions warrant (see Section IV). Prevent spilled material from entering sewers, storm drains, and natural waterways. Dike far ahead of spill for later recovery and disposal. Spilled material may be absorbed by an appropriate absorbent. Notify fire authorities and appropriate federal, state, and local agencies. If spill/release is in excess of EPA reportable quantity, immediately notify the **National Response Center**. Phone **800-424-8802**

**WASTE DISPOSAL METHOD:** Dispose of product in accordance with local, county, state, and federal regulations.



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**SECTION VII - STORAGE AND SPECIAL PRECAUTIONS**

**HANDLING AND STORAGE PRECAUTIONS:** Avoid getting this product ON YOU or IN YOU. Wash hands after handling this product. Do not eat or drink while handling this product. Store product in properly labeled closed containers. Always use this product in areas where adequate ventilation is provided.

**SECTION VIII - FIRE AND EXPLOSION HAZARD DATA**

**EXTINGUISHING MEDIA:** Extinguish with dry chemical, CO<sub>2</sub>, or a universal type foam.  
**FIRE AND EXPLOSION HAZARD:** May decompose during contact with flames, heating elements, or in combustion engines releasing irritating gases. Container may explode if heated due to resulting pressure rise.  
**FIRE FIGHTING PROCEDURES:** Wear appropriate protective equipment including respiratory protection as conditions warrant (see Section IV). Stop spill/release if it can be done without risk. Water spray may be useful in minimizing or dispersing vapors and cooling equipment exposed to heat and flame. Avoid spreading burning liquid with water used for cooling purposes.

**SECTION IX - PHYSICAL DATA**

<b>APPROXIMATE BOILING POINT (DEG F):</b> >200	<b>PER CENT VOLATILE:</b> NONE
<b>SPECIFIC GRAVITY (68 F):</b> >1	<b>FLASH POINT (TCC, DEG F):</b> >300
<b>RELATIVE EVAPORATION RATE (ESTIMATED):</b> <1	<b>PER CENT SOLUBILITY IN WATER:</b> NEGLIGIBLE
<b>VAPOR PRESSURE @20C mmHg (CALCULATED):</b> <1	

**SECTION X - OTHER REGULATORY DATA**

<b><u>SARA</u></b>	<b><u>HMIS</u></b>	
<i>SECTION 302:</i> NONE	Health:	1
<i>SECTION 311 &amp; 312:</i> ACUTE	Flammability:	0
<i>SECTION 313:</i> See Section I.I	Reactivity:	0
<b><u>TSCA</u></b>	<b><u>CALIFORNIA PROPOSITION 65</u></b>	
All components are in full compliance with the TSCA inventory.	NOT LISTED	
<b><u>RCRA</u></b>	<b><u>CERCLA</u></b>	
Waste material would be a D002	ZINC CHLORIDE RQ: 1000 LBS.	

**CARCINOGENICITY:**  
 NOT LISTED with NTP or IARC.

**NOTICE**

The supplier disclaims all expressed or implied warranties of merchantability or fitness for a specific use, with respect to the product or the information provided herein, except for conformation to contracted specifications. All information appearing herein is based upon data obtained from manufactures and/or recognized technical sources. While the information is believed to be accurate, we make no representations as to its accuracy or sufficiency. Conditions of use are beyond our control, and therefore users are responsible for verifying the data under their own operating conditions to determine whether the product is suitable for their particular purposes and they assume risks of their use, handling, and disposal of the product. Users also assume all risks in regards to the publication or use of, or reliance upon, information contained herein. This information relates only to the product designated herein, and does not relate to its use in combination with any other material or process.