

MATERIAL SAFETY DATA SHEET

CODE M/L 136

This Material Safety Data Sheet complies with the US-OSHA Hazard Communication Standard 29CFR 1910.1200 and the Hazardous Products Act of the Canada Labour Code

PRODUCT: WATER SOLUBLE PASTE FLUX

Includes trade name products: Bernzomatic

NFPA/HMIS HAZARD CODES: HEALTH: 2 FIRE: 0/0 REACTIVITY: 0/0 SPECIAL: NA

0 = Minimal 1 = Slight 2 = Moderate 3 = Serious 4 = Severe

SECTION I IDENTIFICATION

MANUFACTURERS NAME: Taracorp Imaco, Inc. **PREPARATION DATE:** February 2000
 1690 Lowery Street
 Winston-Salem, NC 27101
INFORMATION PHONE: 336-777-8600
EMERGENCY PHONE: 800-424-9300 (Chemtrec)
CAS NUMBER: N/A
CHEMICAL FAMILY: INORGANIC ACID SOLDERING PASTE FLUX **CHEMICAL NAME:** N/A

SECTION II COMPOSITION INFORMATION

<u>INGREDIENT</u>	<u>CAS NO.</u>	<u>US OSHA PEL</u>	<u>ACGIH TLV</u>	<u>%</u>
Hydrochloric Acid	7647-01-0	5PPM	1PPM	3-6
Zinc Chloride	7646-85-7	1PPM	1PPM	1-3

PEL=PERMISSIBLE EXPOSURE LIMIT TLV=THRESHOLD LIMIT VALUE

SECTION III HEALTH HAZARDS

EYES: Flush with water for 10 minutes. Call a physician.
SKIN: Wash thoroughly with water.
INHALATION: Remove to fresh air or administer oxygen. Call a physician.
INGESTION: Give water or milk. Get medical attention.
PRIMARY ROUTES OF ENTRY: Fume inhalation, ingestion, skin and eyes.
SYMPTOMS OF OVEREXPOSURE: Pulmonary edema, abdominal pain, vomiting, eye damage and skin burn.
MEDICAL CONDITIONS GENERALLY AGGRAVATED BY OVEREXPOSURE: None Presently Known.
CHEMICAL LISTED AS A CARCINOGEN OR POTENTIAL CARCINOGEN: None
OSHA PERMISSIBLE EXPOSURE LIMIT (PEL): 1PPM
ACGIH THRESHOLD LIMIT VALUE (TLV): 1PPM

SECTION IV FIRE AND EXPLOSION HAZARD DATA

FLASH POINT: N/A
FLAMMABLE LIMITS: N/A
EXTINGUISHING MEDIA: Dry chemical, CO2 foam
AUTO IGNITION TEMPERATURE: None
SPECIAL FIRE FIGHTING PROCEDURES: Normal cautions when dealing with chemicals.
UNUSUAL FIRE & EXPLOSION HAZARDS: Will release small amounts of HCl upon decomposition.

SECTION V ACCIDENTAL RELEASE MEASURES

STEPS TO BE TAKEN IN CASE MATERIAL IS SPILLED:
 First, neutralize with soda ash or sodium bicarbonate, dilute with water and dispose of in accordance with EPA regulations.

SECTION VI HANDLING AND STORAGE

STORAGE REQUIREMENT: Store in plastic containers in cool area, away from heat.
HANDLING PRECAUTIONS: Safe precautionary practices to avoid spills and exposure to skin and fumes.

SECTION VII CONTROL MEASURES

RESPIRATORY PROTECTION (TYPE):	NIOSH Approved Respirator
MECHANICAL (GENERAL):	Yes
EYE PROTECTION:	Safety glasses/goggles
PROTECTIVE GLOVES:	Recommended, NIOSH approved
OTHER PROTECTIVE CLOTHING OR EQUIPMENT:	Optional to user's preference.
VENTILATION:	Yes
LOCAL EXHAUST:	Yes

SECTION VIII PHYSICAL AND CHEMICAL CHARACTERISTICS

BOILING POINT:	104°C/220°F	SPECIFIC GRAVITY (WATER=1):	0.97
VAPOR PRESSURE (mm Hg):	N/A	PERCENT VOLATILE BY VOLUME:	64%
VAPOR DENSITY (AIR=1):	N/A	EVAPORATION RATE (BUTYL ACETATE=1):	0.6
MELTING POINT:	0°C/32°F	SOLUBILITY IN WATER:	Unlimited
REACTIVITY IN WATER:	None	APPEARANCE AND ODOR:	White, odorless paste

SECTION IX STABILITY AND REACTIVITY
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STABILITY:	Product is stable
(CONDITIONS TO AVOID):	Metals
INCOMPATIBILITY:	Alkaline, strong oxidizing or reducing materials, cyanides or combustible materials.
HAZARDOUS DECOMPOSITION PRODUCTS:	HCl, Zinc Chloride, Zinc Oxide, Ammonium
HAZARDOUS POLYMERIZATION:	Will not occur
(CONDITIONS TO AVOID):	Excessive heat or cold

SECTION X TRANSPORTATION AND DISPOSAL CONSIDERATIONS

D.O.T. PROPER SHIPPING NAME:	Non-hazardous
HAZARD CLASS:	N/A
IDENTIFICATION NUMBER:	N/A
PACKING GROUP:	N/A
TYPE D.O.T. LABEL REQUIRED INFORMATION:	Corrosive
WASTE DISPOSAL METHOD:	Dispose of in accordance with EPA regulations