

SMT International, LLC
MATERIAL SAFETY DATA SHEET (MSDS)

SECTION 1: PRODUCT AND COMPANY IDENTIFICATION *Manufactured for Emulation Technology, Inc.*

PRODUCT NAME: Amtech Tacky Paste Flux, Series #61 Flux, 200, 400, 500, 4000, SynTECH, WSFC-305L
SYNONYMS: Tacky Flux / **Emulation Technology, Inc. Part # CQ291E**

MANUFACTURER: SMT International, LLC
ADDRESS: PO Box 989 Deep River, CT 06417 USA
PHONE: 860-526-8300
FAX: 860-526-8243
EMERGENCY: Infotrac-(800)535-5035

CHEMICAL NAME: N/A
CHEMICAL FAMILY: Mixture
CHEMICAL FORMULA: N/A

REVISION DATE: December 17, 2010
DOCUMENT NAME: MSDS-Tacky Flux-008

SECTION 2: COMPOSITION/INFORMATION ON INGREDIENTS

Ingredient	CAS Number	Exposure Limits
Modified Rosins	N/A	N/A
Pine Oil Derivatives	8000-41-7	N/A
Proprietary Ingredients	N/A	N/A
Mixed Carboxylic Acids	N/A	N/A

SECTION 2 NOTES:
Percentages of individual components are not listed as this information is considered a trade secret.

SECTION 3: HAZARDS IDENTIFICATION

ROUTES OF ENTRY: Inhalation, Ingestion, Skin/Eye Contact

EYE CONTACT: May cause moderate irritation. Do not allow material to come in contact with eyes.

SKIN CONTACT: May cause moderate skin irritation.

INHALATION: Moderately toxic. May cause irritation to the respiratory tract.

INGESTION: Harmful if swallowed. May cause irritation to the mouth, throat, and stomach. May cause abdominal discomfort, nausea, vomiting, and/or diarrhea.

CHRONIC: Not established.

CARCINOGENICITY:

OSHA: N/A **ACGIH:** N/A **NTP:** N/A **IARC:** N/A

SECTION 3 NOTES:

SMT International, LLC does not recommend, manufacture, market, or endorse any of its products for human consumption.

SECTION 4: FIRST AID MEASURES

EYES: Flush with plenty of water, contact a physician. If contact lenses can be removed easily, flush eyes without contact lenses.

SKIN: Wash affected area with plenty of warm, soapy water. If irritation persists, seek medical attention.

INGESTION: Call a physician or Poison Control Center immediately. Do not induce vomiting.

INHALATION: Remove to fresh air. If not breathing, seek immediate medical attention.

SECTION 5: FIRE-FIGHTING MEASURES

FLAMMABLE LIMITS IN AIR: Not established
FLASH POINT: Not established
AUTOIGNITION TEMPERATURE: N/A
EXTINGUISHING MEDIA: Dry chemical, foam

SPECIAL FIRE FIGHTING PROCEDURES: Do not use water. Use NIOSH-approved self-contained Breathing Apparatus and full protective clothing if involved in a fire.

UNUSUAL FIRE AND EXPLOSION HAZARDS: This product does not present any unusual fire and explosion hazards.

HAZARDOUS DECOMPOSITION PRODUCTS: Not established

SECTION 6: ACCIDENTAL RELEASE MEASURES

ACCIDENTAL RELEASE MEASURES: If material spills or leaks, collect and place into a properly labeled waste container. Remove traces of tacky flux using cloth rags or paper towels moistened with Isopropyl Alcohol. Follow on-site personal protective equipment recommendations.

SECTION 6 NOTES:

See Sections 3, 4, and 7 for additional information.

SECTION 7: HANDLING AND STORAGE

HANDLING/STORAGE: Keep containers tightly closed when not in use. Use care to avoid spills. Avoid inhalation of fumes or dust. Avoid contact with eyes, skin, and clothing.

OTHER PRECAUTIONS: Empty containers may retain product residues in vapor, liquid, and/or solid form. All labeled hazard precautions should be observed.

SECTION 7 NOTES:

For industrial use only.
Keep out of reach of children.

SECTION 8: EXPOSURE CONTROLS/PERSONAL PROTECTION

VENTILATION: Provide sufficient mechanical (general and/or local exhaust) ventilation to maintain exposure below TLVs.

RESPIRATORY PROTECTION: Use with adequate ventilation.

EYE PROTECTION: Use with appropriate safety glasses.

SKIN PROTECTION: Protective gloves and clothing should be worn when handling material. Wash hands thoroughly with soap and water upon leaving the work area.

WORK HYGIENIC PRACTICES: Cosmetics/Food/Drink/Tobacco should not be consumed or used in work areas. Always wash hands after handling material and before applying or using cosmetics/food/drink/tobacco.

SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES

APPEARANCE:	Clear, White, or Yellow to Dark Amber gel
ODOR:	Mild odor
pH as SUPPLIED:	N/A
BOILING POINT:	Not established
MELTING POINT:	Not established
FREEZING POINT:	Not established
VAPOR PRESSURE (mmHg):	N/A (°F/°C)
VAPOR DENSITY (AIR = 1):	N/A (°F/°C)
SPECIFIC GRAVITY (H₂O = 1):	N/A
EVAPORATION RATE:	N/A
SOLUBILITY IN WATER:	Partially
PERCENT SOLIDS BY WEIGHT:	N/A
PERCENT VOLATILE:	N/A (°F/°C)
VOLATILE ORGANIC COMPOUNDS (VOC):	N/A (°F/°C)
MOLECULAR WEIGHT:	N/A
VISCOSITY:	N/A (°F/°C)

SECTION 10: STABILITY AND REACTIVITY

STABILITY:	Stable
CONDITIONS TO AVOID (STABILITY):	Freezing temperatures. High temperatures.
INCOMPATIBILITY (MATERIAL TO AVOID):	Strong oxidizing materials
HAZARDOUS DECOMPOSITION/BY-PRODUCTS:	Harmful organic fumes and toxic oxide fumes may form at elevated temperatures.
HAZARDOUS POLYMERIZATION:	Will not occur

SECTION 11: TOXICOLOGICAL INFORMATION

CARCINOGENICITY: None known
IRRITANCY OF PRODUCT: Not established
SENSITIZATION TO PRODUCT: Not established
OTHER: Prolonged or repeated exposure to flux fumes may cause workers to develop occupational asthma.

SECTION 12: ECOLOGICAL INFORMATION

ENVIRONMENTAL: Not established

SECTION 13: DISPOSAL CONSIDERATIONS

WASTE DISPOSAL METHOD: Scrap and waste solder should be stored in a dry, sealed container for later disposal. Disposal must be in accordance with Federal, State/Provincial, and Local Regulations.

SECTION 14: TRANSPORT INFORMATION

Transport in accordance with applicable regulations and requirements.

US DOT Hazardous Material Classification:	Tacky Flux is not listed as a DOT hazardous material
Water Transportation:	Tacky Flux is not listed as a hazardous material
IATA Hazardous Material Classification:	Tacky Flux is not listed as IATA hazardous material

SECTION 15: REGULATORY INFORMATION

All ingredients used to manufacture this product are listed on the EPA TSCA Inventory.

U.S. FEDERAL REGULATIONS:	Not regulated
STATE REGULATIONS:	Not regulated
INTERNATIONAL REGULATIONS:	Not regulated

SECTION 16: OTHER INFORMATION

HMIS Rating: Health=1 Flammability=1 Physical Hazard=0 Personal Protection=X

PREPARATION INFORMATION:

This update supersedes all previously released documents.

DISCLAIMER:

The information contained herein is based on data considered to be accurate and is offered at no charge. No warranty is expressed or implied regarding the accuracy of this data. Liability is expressly disclaimed for loss or injuring arising out of use of this information or the use of any materials designated herein.