

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 # CQ291ENL (higher temp activation for lead free)**

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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:

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