

# SMT International, LLC      Manufactured for SAFETY DATA SHEET (SDS)    CHIPQUICK Inc.

## SECTION 1: PRODUCT AND COMPANY IDENTIFICATION

**PRODUCT NAME:** Amttech Tacky Paste Flux Series: 200, 400, 500, 600, 4000, SynTECH, WSFC-305L and #61  
**SYNONYMS:** Tacky Flux SMD291150G, SMD29175G, SMD291ST2CC6, SMD291ST8CC, SMD291NL, SMD291, SMD29130CC, SMD4300TF10

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**REVISION DATE:** March 13, 2014  
**REVISION NUMBER:** 2  
**DOCUMENT NAME:** SDS-Tacky Flux-008

**PRODUCT USE:** Bonding solder joints in production and repair of circuit boards

## SECTION 2: HAZARDS IDENTIFICATION

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

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

**GHS:**



Signal Word: Warning

Hazard statement(s)

H302 Harmful if swallowed  
H317 May cause an allergic skin reaction  
H320 Causes eye irritation  
H335 May cause respiratory irritation

Precautionary statement(s)

P102 Keep out of reach of children  
P233 Keep container tightly closed  
P264 Wash hands thoroughly after handling  
P270 Do not eat, drink or smoke when using this product  
P280 Wear protective gloves/protective clothing/eye protection/face protection  
P302+P352 IF ON SKIN: Wash with plenty of soap and water  
P305+P351 IF IN EYES: Rinse continuously with water for several minutes  
P404 Store in a closed container  
P501 Dispose of contents/containers in accordance with Federal, State/Provincial, and/or local regulations

### POTENTIAL HEALTH EFFECTS:

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

**SKIN CONTACT:** May cause moderate skin irritation.

**INHALATION:** 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.

### SECTION 2 NOTES:

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

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**SECTION 3: COMPOSITION/INFORMATION ON INGREDIENTS**


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<u>Ingredient</u>	<u>CAS Number</u>	<u>Exposure Limits</u>
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 3 NOTES:**

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

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**SECTION 4: FIRST AID MEASURES**


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**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.

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**SECTION 5: FIRE-FIGHTING MEASURES**


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**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.

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**SECTION 6: ACCIDENTAL RELEASE MEASURES**


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**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 2, 4, and 7 for additional information.

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**SECTION 7: HANDLING AND STORAGE**


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**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.

**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 7 NOTES:**

For industrial use only.

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**SECTION 8: EXPOSURE CONTROLS/PERSONAL PROTECTION**


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**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.

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**SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES**


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<b>APPEARANCE:</b>	Clear, White, or Yellow to Dark Amber gel
<b>ODOR:</b>	Mild odor
<b>ODOR THRESHOLD:</b>	Not established
<b>pH as SUPPLIED:</b>	N/A

**SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES (continued)**

MELTING POINT:	Not established
FREEZING POINT:	Not established
INITIAL BOILING POINT:	Not established
BOILING RANGE:	Not established
FLASH POINT:	Not established
EVAPORATION RATE:	Not established
FLAMMABILITY (solid):	Not established
UPPER/LOWER FLAMMABILITY:	Not established
UPPER/LOWER EXPLOSIVE LIMITS:	Not established
VAPOR PRESSURE (mmHg):	N/A (°F/°C)
VAPOR DENSITY (AIR = 1):	N/A (°F/°C)
RELATIVE DENSITY:	Not established
SOLUBILITY IN WATER:	Partially
PARTITION COEFFICIENT (n-octanol/water):	Not established
AUTOIGNITION TEMPERATURE:	Not established
DECOMPOSITION TEMPERATURE:	Not established
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.
POSSIBILITY OF HAZARDOUS REACTIONS:	Will not occur

**SECTION 11: TOXICOLOGICAL INFORMATION**

ACUTE TOXICITY:	Not available
SKIN CORRIOSION/IRRITATION:	Not established
SERIOUS EYE DAMAGE/IRRITATION:	Not available
RESPIRATORY OR SKIN SENSITIZATION:	Not established
GERM CELL MUTAGENICITY:	Not available
CARCINOGENICITY:	Not available

OSHA: N/A	ACGIH: Lead (Pb)-A3	NTP: N/A	IARC: Lead (PB)-Group 2B
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REPRODUCTIVE TOXICITY:	Not available
STOT-SINGLE EXPOSURE:	Not available
STOT-REPEATED EXPOSURE:	Not available
ASPIRATION HAZARD:	Not available

**SECTION 12: ECOLOGICAL INFORMATION**

TOXICITY:	Product not tested
PERSISTENCE AND DEGRADIBILITY:	Product not tested
BIOACCUMULATIVE POTENTIAL:	Product not tested
MOBILITY IN SOIL:	Product not tested
OTHER ADVERSE EFFECTS:	Product not tested

**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.

UN Number:	Not available
UN Proper Shipping Name:	Not available
Packaging Group:	Not applicable
Environmental Hazards:	None

**TRANSPORT HAZARD CLASSES:**

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

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**SECTION 15: REGULATORY INFORMATION**

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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

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**SECTION 16: OTHER INFORMATION**

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

**KEY:**  
**N/A:** Not applicable  
**GHS:** Global Harmonized System  
**OSHA:** Occupational Safety and Health Administration  
**ACGIH:** American Conference of Governmental Industrial Hygienists  
**NTP:** National Toxicology Program  
**IARC:** International Agency for Research on Cancer  
**CAS:** Chemical Abstract Service  
**NIOSH:** National Institute for Occupational Safety & Health  
**STOT:** Specific target organ toxicity  
**TLV:** Threshold limit value  
**US DOT:** United States Department of Transportation  
**DOT:** Department of Transportation  
**IATA:** International Air Transport Association  
**EPA:** Environmental Protection Agency  
**TSCA:** Toxic Substance Control Act  
**HMIS:** Hazardous Material Identification System

**PREPARATION INFORMATION:**  
This update supersedes all previously released documents.

**PREPARED BY:** Wendy W. Gesick  
**APPROVED BY:** Leigh W. Gesick

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