

AMTECH SOLDER PASTE/FLUX

MATERIAL SAFETY DATA SHEET (MSDS)

SECTION 1: PRODUCT AND COMPANY IDENTIFICATION

PRODUCT NAME: AMTECH Tacky Paste/Flux
Series: 200, 400, 500, 600, 4000, SynTECH, WSFC-305L and #61
SYNONYMS: Tacky Flux
MANUFACTURER: Inventec Performance Chemicals USA, LLC for AMTECH DIRECT
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REVISION DATE: December 19, 2014
REVISION DATE: 3
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: Inventec Performance Chemicals USA, LLC does not recommend, manufacture, market, or endorse any of its products for human consumption.

SECTION 3: 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 3 NOTES: Percentages of individual components are not listed as this information is considered a trade secret.

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

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.

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 2, 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.

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

SECTION 7 NOTES: For industrial use only.

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.

SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES

APPEARANCE:	Clear, White, or Yellow to Dark Amber gel
ODOR:	Mild odor
ODOR THRESHOLD:	Not established
pH as SUPPLIED:	N/A
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: CARCINOGENICITY:	Not available
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 DEGRADABILITY:	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.
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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 available
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

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

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.

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APPROVED BY: Leigh W. Gesick

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