

**SOLDERING TACKY PASTE FLUX (IPC J-STD-004)****SECTION 1: PRODUCT AND COMPANY IDENTIFICATION**

<b>PRODUCT NAME:</b>	STIRRI, ASM, AUTO, BGA, EnigMA, Hydra, Handcraft, LED, RA, RMA, Spacecraft, Series: HF, HT, LF, LFO, LT, MA, MT, PT, PRO, UHF OEM: 223, 213, 215, 42L, 43L, 432, 44H, 45L, 56L, 59A, 59V, SYM, SYN, RAS, RLF
<b>SYNONYMS:</b>	PF, TF, TPF, Tacky Flux, Paste Flux, Tacky Paste Flux, Solid Flux
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<b>EMERGENCY:</b>	Infotrac.net - +1-800-535-5053 (North America) Infotrac.net - +1-352-323-3500 (International)
<b>REVISION DATE:</b>	December 30, 2023
<b>REVISION DATE:</b>	231230
<b>DOCUMENT NAME:</b>	SDS-TF-240303
<b>PRODUCT USE:</b>	Bonding solder joints in production and repair of circuit boards

**SECTION 2: HAZARDS IDENTIFICATION**

<b>CHEMICAL NAME:</b>	N/A
<b>CHEMICAL FAMILY:</b>	Mixture
<b>CHEMICAL FORMULA:</b>	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:**

<b>EYE CONTACT:</b>	May cause moderate irritation. Do not allow material to come in contact with eyes.
<b>SKIN CONTACT:</b>	May cause moderate skin irritation.
<b>INHALATION:</b>	May cause irritation to the respiratory tract
<b>INGESTION:</b>	Harmful if swallowed. May cause irritation to the mouth, throat, and stomach. May cause abdominal discomfort, nausea, vomiting, and/or diarrhea.
<b>CHRONIC:</b>	Not established.

**SECTION 2 NOTES:** STIRRI 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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<b>Ingredient</b>	<b>CAS Number</b>	<b>Exposure Limits</b>
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. 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.

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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
<b>MELTING POINT:</b>	Not established
<b>FREEZING POINT:</b>	Not established
<b>INITIAL BOILING POINT:</b>	Not established
<b>BOILING RANGE:</b>	Not established
<b>FLASH POINT:</b>	Not established
<b>EVAPORATION RATE:</b>	Not established
<b>FLAMMABILITY (solid):</b>	Not established
<b>UPPER/LOWER FLAMMABILITY:</b>	Not established
<b>UPPER/LOWER EXPLOSIVE LIMITS:</b>	Not established
<b>VAPOR PRESSURE (mmHg):</b>	N/A (°F/°C)
<b>VAPOR DENSITY (AIR = 1):</b>	N/A (°F/°C)
<b>RELATIVE DENSITY:</b>	Not established
<b>SOLUBILITY IN WATER:</b>	Partially
<b>PARTITION COEFFICIENT (n-octanol/water):</b>	Not established
<b>AUTOIGNITION TEMPERATURE:</b>	Not established
<b>DECOMPOSITION TEMPERATURE:</b>	Not established
<b>VISCOSITY:</b>	N/A (°F/°C)

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## SECTION 10: STABILITY AND REACTIVITY

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

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## SECTION 11: TOXICOLOGICAL INFORMATION

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<b>ACUTE TOXICITY:</b>	Not available
<b>SKIN CORROSION/IRRITATION:</b>	Not established
<b>SERIOUS EYE DAMAGE/IRRITATION:</b>	Not available
<b>RESPIRATORY OR SKIN SENSITIZATION:</b>	Not established
<b>GERM CELL MUTAGENICITY: CARCINOGENICITY:</b>	Not available
<b>REPRODUCTIVE TOXICITY:</b>	Not available
<b>STOT-SINGLE EXPOSURE:</b>	Not available
<b>STOT-REPEATED EXPOSURE:</b>	Not available
<b>ASPIRATION HAZARD:</b>	Not available

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## SECTION 12: ECOLOGICAL INFORMATION

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<b>TOXICITY:</b>	Product not tested
<b>PERSISTENCE AND DEGRADABILITY:</b>	Product not tested
<b>BIOACCUMULATIVE POTENTIAL:</b>	Product not tested
<b>MOBILITY IN SOIL:</b>	Product not tested
<b>OTHER ADVERSE EFFECTS:</b>	Product not tested

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## SECTION 13: DISPOSAL CONSIDERATIONS

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<b>WASTE DISPOSAL METHOD:</b>	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

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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

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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:** Compliance Officer

**APPROVED BY:** Operations Manager

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