

SECTION 1. Identification of the substance/mixture and of the company/undertaking**1.1 Product Identifier**

Product Form: Mixture
Product Name: TMT-FP-1 Rosin Flux Paste
Product Code: TMT-FP-1
Type of Product: Flux Paste

1.2 Relevant identified uses of the substance or mixture and uses advised against

Relevant identified uses: Soldering.
Uses advised against: No data available

1.3 Details of the supplier of the safety data sheet

Supplier: Thermaltronics USA, Inc.
1 Barstow Road, STE P19
Great Neck, NY, 11021
United States
Email: support@thermaltronics.com
Telephone: 1-516-829-2726
Fax: 1-516-829-2891

1.4 Emergency Telephone Number: 1-516-829-2726

SECTION 2. Hazards Identification**2.1 Classification of the substance or mixture**

See Section 15 for HMIS/NFPA Rating

Classification according to Regulation (EC) No 1272/2008 [CLP]

H317: Skin sensitization, Category 1
H319: Serious eye damage/eye irritation, Category 2A
H332: Acute toxicity, inhalation, Category 4

For the full text of the H-Statements mentioned in this Section, see Section 16.

Adverse physicochemical, human health and environmental effects

No additional informational available.

2.2 Label Elements

Labelling according to Regulation (EC) No. 1272/2008 [CLP]

Hazard Pictograms:



Signal Word:

Warning

Hazard Statements:

H317 May cause an allergic skin reaction

Precautionary Statements:

P102 Keep out of reach of children.

P261 Avoid breathing vapors and fumes.

P272 Contaminated work clothing must not be allowed out of workplace.

P280: Wear protective gloves and eye protection.

TMT-FP-1

Safety Datasheet

P302 + P352 If on skin: Wash with plenty of soap and water.
 P333 + P313 If skin irritation or rash occurs: Get medical advice/attention.
 P363 Wash contaminated clothing before reuse.
 P501 Dispose of contents/ container to an approved waste disposal plant.

SECTION 3. Composition/Information on ingredients

3.1 Substances Not Applicable.

3.2 Mixtures

Components	CAS Number	%	Classification
Petrolatum	8009-03-8	40-60	None
Rosin	8050-09-7	35-45	Skin Sens. 1; H317

For the full text of the H-Statements mentioned in this Section, see Section 16.
 Exact percentage (concentration) of composition has been withheld as a trade secret.
 Unlisted material are non-hazardous stabilizers. None of the materials in this product are listed in NTP, IARC, or OSHA as carcinogens.

SECTION 4. First Aid Measures

4.1 Description of first aid measures

General Advice: Consult a physician. Show this safety data sheet to the doctor in attendance. Move out of dangerous area.

Inhalation: If breathed in, move

Skin Contact: Wash off with soap and plenty of water. Consult a physician if unwell.

Eye Contact: Rinse thoroughly with plenty of water. Consult a physician if unwell.

Ingestion: Rinse mouth with water. Consult a physician if unwell.

4.2 Most important symptoms and effects, both acute and delayed

The most important known symptoms and effects are described in section 2.2 and/or in section 11

4.3 Indication of any immediate medical attention and special treatment needed

No Data Available.

SECTION 5. Firefighting Measures

5.1 Extinguishing Media

Suitable Extinguishing Media: Use water spray, alcohol-resistant foam, dry chemical or carbon dioxide.

Unsuitable Extinguishing Media: None.

5.2 Special hazards arising from the substance or mixture

Nature of decomposition products not known.

5.3 Advice for Firefighters

Wear self-contained breathing apparatus if necessary.

SECTION 6. Accidental Release Measures

6.1 Personal precautions, protective equipment and emergency procedures
6.1.1 For non-emergency personnel / Personal precautions

Use personal protective equipment. Avoid dust formation. Avoid breathing vapours, mist or gas. Ensure adequate ventilation. Evacuate personnel to safe areas. Avoid breathing dust. For personal protection see section 8.

6.1.2 For emergency responders

No additional information available.

6.2 Environmental precautions

Do not empty into drains or water bodies.

6.3 Methods and material for containment and cleaning up

Pick up and arrange disposal without creating dust. Sweep up and shovel. Keep in suitable, closed containers for disposal.

6.4 Reference to other sections

For disposal see section 13.

7. Handling and Storage

7.1 Precautions for safe handling

Keep containers securely sealed when not in use. Avoid physical damage to containers. Use good occupational work practice. Observe manufacturer's storage and handling recommendations. Keep dry. Store under cover. Protect containers against physical damage. For precautions see section 2.2.

Take off immediately all contaminated clothing and wash it before reuse. When handling, do not eat, drink or smoke. Always wash hands with soap and water after handling.

7.2. Conditions for safe storage, including any incompatibilities

Keep container tightly closed in a dry and well-ventilated place. Use packaging as recommended by manufacturer. Avoid reaction with oxidising agents.

7.3. Specific end use(s)

Apart from the uses mentioned in section 1.2 no other specific uses are stipulated

SECTION 8. Exposure Controls/Personal Protection

8.1 Control Parameters:
Components with workplace control parameters

Component	CAS-No.	Value	Control Parameters	Basis
Petrolatum Non-carcinogenic	8009-03-8	TWA	5.000000 mg/m3	USA. Occupational Exposure Limits (OSHA) - Table Z-1 Limits for Air Contaminants
		TWA	5.000000 mg/m3	USA. ACGIH Threshold Limit Values (TLV)
		TWA	5.000000 mg/m3	USA. NIOSH Recommended USA. NIOSH

	Remarks: Upper Respiratory Tract irritation. Not classifiable as a human carcinogen
8.2 Exposure Controls	
Appropriate Engineering Controls:	Keep airborne concentrations below the occupational exposure limits (OEL). Keep overall exposure as low as possible. For frequent or prolonged soldering processes, use of a local exhaust system
Personal protective equipment:	For likely contacts, use of protective nitrile gloves or other chemically resistant gloves. If contact with molten metal is likely, wear thermally resistant gloves.
Respiratory Protection:	For nuisance exposures use type P95 (US) or type P1 (EU EN 143) particle respirator. For higher level protection use type OV/AG/P99 (US) or type ABEK-P2 (EU EN 143) respirator cartridges. Use respirators and components tested and approved under appropriate government standards

SECTION 9. Physical and Chemical Properties

9.1 Information on basic physical and chemical properties

Physical state:	Paste
Appearance:	Pale Yellow
Odor:	Mild
Odor Threshold:	No data available
pH:	No data available
Melting point/Freezing point:	No data available
Initial boiling point/boiling range:	No data available
Flash point:	No data available
Evaporation rate:	No data available
Flammability (solid; gas):	No data available
Lower flammable/explosive limit:	No data available
Upper flammable/explosive limit:	No data available
Vapour pressure:	No data available
Vapour density:	No data available
Relative density:	No data available
Solubility:	Insoluble (Paste)
Partition coefficient-n-octanol/water:	No data available
Auto-ignition temperature:	No data available
Decomposition temperature:	No data available
Viscosity:	No data available

SECTION 10. Stability and Reactivity

10.1 Reactivity	Produces oxidized rosins when exposed to soldering temperatures.
10.2 Chemical Stability	Stable at normal temperatures and conditions.
10.3 Possibility of Hazardous	No data available
10.4 Conditions to Avoid	Ignition sources, excessive heat, and incompatible substances.
10.5 Incompatible Materials	Strong oxidising agents.
10.6 Hazardous decomp. products	No data available

SECTION 11. Toxicological Information

11.1 Information on toxicological effects

Acute Toxicity:	Petrolatum - LD50 Intraperitoneal - Mouse - > 50,000 mg/kg Rosin - LD50 Oral - Rat - > 2,800 mg/kg LD50 Dermal - Rat - > 2,000 mg/kg
Skin corrosion/irritation:	Petrolatum - No data available Rosin - Skin - Rabbit -> No skin irritation - 4h (OECD Test Guideline 404)
Serious eye damage/eye irritation:	Petrolatum - No data available Rosin - Eye - Rabbie -> No eye irritation (OECD Test Guideline 405)
Respiratory and skin sensitization:	Petrolatum - Ames test, <i>S. typhimurium</i> , Result: negative Rosin - No data available
Germ cell mutagenicity:	Petrolatum - No data available Rosin - No data available
Carcinogenicity:	IARC: No component of this product present at levels greater than or equal to 0.1% is identified as probable, possible or confirmed human carcinogen by IARC. ACGIH: No component of this product present at levels greater than or equal to 0.1% is identified as a carcinogen or potential carcinogen by ACGIH. NTP: No component of this product present at levels greater than or equal to 0.1% is identified as a known or anticipated carcinogen by NTP. OSHA: No component of this product present at levels greater than or equal to 0.1% is on OSHA's list of regulated carcinogens.
Reproductive Toxicity:	No data available
STOT - single exposure:	No data available
STOT - repeated exposure:	No data available
Aspiration hazard:	No data available
Additional information:	Petrolatum: RTECS: SE6780000 Rosin: RTECS: VL0480000

SECTION 12. Ecological Information

12.1 Toxicity:	Petrolatum: No data available Rosin: Toxicity to fish: static test LC50 - <i>Brachydanio rerio</i> (zebrafish) - 60.3 mg/l - 96 h (OECD Test Guideline 203)
12.2 Persistence and Degradability:	Petrolatum: No data available Rosin: Biodegradability: aerobic - Exposure time 28d, Result: 58 % - Not readily biodegradable. (OECD Test Guideline 301B)
12.3 Bioaccumulative Potential:	No data available
12.4 Mobility in Soil:	No data available
12.5 Results of PBT and vPvB Assessment:	No data available
12.6 Other Adverse Effects:	No data available

SECTION 13. Disposal Considerations

13.1 Waste Treatment Methods

Regional legislation (waste):	Disposal must be done according to official regulations.
Product/Packaging disposal recommendations:	Dispose in accordance with local, regional, national and/or international regulation. Do not dispose in sewage or water bodies.

SECTION 14. Transport Information

Ground (Refer to USA DOT 49 CFR (Parts 100 to 185) Regulations.)

Not Dangerous Goods

Air Refer to ICAO-IATA Dangerous Goods Regulations.

Not Dangerous Goods

Sea Refer to IMDG Regulations.

Not Dangerous Goods

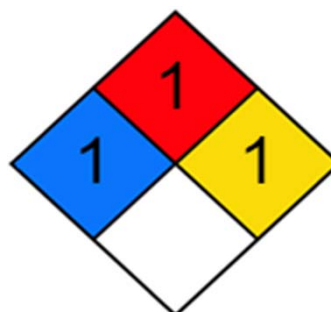
15. Regulatory Information

United States:

All chemical substances in this product are listed in the EPA (Environmental Protection Agency) and the TSCA (Toxic Substances Control Act) Inventory).

HMIS® Rating (0-4)

Chemical Name	
HEALTH	1
FLAMMABILITY	1
PHYSICAL HAZARD	1
PERSONAL PROTECTION	X

NFPA® Rating (0-4)

California Proposition 65

This product does not contain any substances known to be listed in CA Prop 65.

EPCRA (Emergency Planning and Right to Know Act)

This product does not contain ingredients that subject to the reporting requirements of section 313 Title III of the SARA of 1986 and 40 CFR part 372.

TOXIC Substance Control Act (TSCA):

All ingredients are on the TSCA inventory or are not required to be listed on the TSCA inventory.

CANADA:
WHMIS REGULATIONS

The Canadian workplace hazardous materials information system classification for this product is, "This product has been classified in accordance with the hazard criteria of the Canadian Controlled Product Regulations (CPR) and the SDS contains all the information required by the CPR.

EUROPEAN UNION:**RoHS (Restriction of Hazardous Substances Directive)**

This product does not contain any lead, cadmium, mercury, hexavalent chromium, PBB's, PBDE's, DEHP, BBP, DBP, or DIBP and complies with European RoHS regulations.

WEEE (Waste Electrical and Electronic Equipment Directive)

This product is not a piece of electrical or electronic equipment, and it is therefore not governed by this regulation.

REACH SVHC (Substances of Very High Concern):

This product does not contain any substances on the SVHC List or Authorization List.

16. Other Information**Preparation Information:**

Created June 1st, 2017. Updated December, 17th, 2019.

Revision Summary:

This SDS replaces March 1st, 2018.

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