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Material Safety Data Sheet

SPI #05058-AB Tempfix™ Mounting Adhesive

Section 01 Identification

Date Effective..... January 8, 2009
 (most recent revision)

Chemical Name/Synonyms... Polymer combination with
 resins and greases

Chemical family..... Not known

Emergencies

Contacting CHEMTREC 24 Hour Emergency

Use Only #'s..... Worldwide phone : 1-(703)-527-3887
 Worldwide FAX : 1-(703)-741-6090
 Toll-free phone : 1-(800)-424-9300

Product or Trade Name.... SPI # **05058-AB** Tempfix™ Mounting Adhesive

CAS #..... Not assigned

Chemical Formula..... Not available



Section 2 Composition

Description:

Polymer combination of resin and greases.

Section 3: Hazard Identification

Emergency overview:

This material is not hazardous by OSHA Hazard Communication Definition

Physical Health Hazards:

Dust may form explosive mixtures with air. Molten polymer may cause thermal burns. Irritating fumes may be produced at elevated temperatures.

Physical state: Solid

Color: Clear

Odor: None at room temperature

Odor threshold: No data available

Potential Health Effects:**Routes of exposure:**

Eye contact, ingestion, skin contact are all highly unlikely.

Signs and Symptoms of Acute Exposure:

Molten polymer may cause thermal burns. At process temperature, irritating fumes may cause soreness in the nose and throat, coughing may result. Mechanical irritation is possible.

Skin contact:

Molten polymer may cause thermal burns

Inhalation:

At process temperatures irritating fumes may be produced. Inhalation of process fumes may cause soreness in the nose and throat and coughing. Inhaling Tempfix dust could be irritating.

Eye contact:

Mechanical irritation is possible if the material is abraded into a powder.

Ingestion:

Ingestion is unlikely

Chronic Health Effects Summary:

No known chronic health effects.

Conditions Aggravated by Exposure:

No known conditions are aggravated by this material.

Section 4: First Aid Measures

Take proper precautions to ensure your own health and safety before attempting to rescue and providing first aid. For specific information refer to the Emergency Overview in Section of this MSDS. Good laboratory hygiene practices should be observed at all times.

Inhalation:

If symptoms are experienced, move victim to fresh air, if symptoms persist, obtain medical attention.

Eye Contact:

Wash eyes with clean low-pressure water. If irritation persists, seek medical advice. This situation would arise only if the product is abraided into a powder.

Skin Contact:

If molten material contacts the skin, immediately flush the skin with large amounts of water to cool the affected tissue and polymer. Do not attempt to peel polymer from skin. Get medical attention immediately.

Ingestion:

Adverse health effects due to ingestion are not anticipated. If gastric irritation or discomfort persists, seek medical advice.

Section 5: Fire Fighting Measures

Special Conditions to Avoid:

Polyisobutylene dust particles in the atmosphere can be combustible and may be explosive. Keep away from heat, sparks, flame and all other ignition sources. Keep container closed. Clean up dust accumulations. Prevent dust accumulations and dust clouds.

Extinguishing Media:

Use extinguishing media suitable for surrounding fire. Unsuitable extinguishing media for safety reasons is full water jet.

Fire and Explosure Hazard:

May evolve carbon monoxide and carbon dioxide

Special protective equipment:

Use self containing breathing apparatus.

Section 6: Accidental Release Measures**Precautionary measures related to people:**

Caution: Surfaces covered with the material may become slippery.

Environmental protective measures: No special requirements.

Methods of cleaning/absorption: Remove mechanically

Section 7: Handling and Storage**Handling:**

Ensure that the area is well ventilated. Extraction hood recommended. No other special precautions required. Avoid breathing vapors when heated.

Storage:

No special precautions or requirements.

Section 8: Exposure Controls and Personal Protection**Engineering Controls:**

If user operations generate dust or fumes, ventilate area to prevent accumulation.

Personal protection:**General:**

Always observe good laboratory hygiene practices.

Eye:

Always use safety glasses, even for work with small quantities, such as the mounting of samples for SEM examination.

Ingredients with threshold limit values to be monitored: None

Section 9: Physical and Chemical Properties

Appearance: Solid, pale yellow

Odor: None

Boiling Point/Range: > 400° C

Flash point: > 200° C

Ignition Temperature: Not available

pH: Not applicable

Vapor Pressure: Not applicable

Viscosity: Not applicable

Specific Gravity:

Solid/Liquid	0.95 g/cc
Vapor	Not applicable

Water solubility:

Insoluble

Octanol/Water Partition Coefficient in Kow:

Specific value not known

Melting/Freezing Point:

Not known

Evaporation Rate:

Not applicable

Section 10: Stability and Reactivity

Chemical Stability:

The product is stable.

Conditions to Avoid:

Avoid contact with strong oxidizers, excessive heat, sparks or open flame or dust accumulation.

Incompatibility with:

Chlorine, fuming nitric acid and strong oxidizing agents.

Hazardous Products of Deposition:

Hydrocarbons, acetic acid

Reactions with Air and Water:

Does not react with air, water or other common materials.

Section 11: Toxicological Information

Summary:

Not considered to be toxic to humans or animals. No evidence of harmful effects in the case of the intended use for SEM sample preparation.

Section 12: Ecological Information

Exotoxicity:

Exotoxicity is expected to be low based on the low water solubility of polyisobutylene.

Environmental Fate:

No information found in our selected references.

Bioaccumulation:

Not expected to occur.

Section 13: Disposal Considerations

This material is NOT classified as a hazardous material by RCRA. Use only licensed transporters and permitted disposal facilities and conform to all laws.

Product and packaging must be disposed of in accordance with local and national regulations after consultation with the competent local authorities and the disposal company in a suitable and licensed facility.

German Waste Code:

LAGA 57129 "Sonstige ausgehärtete Kunststoffabfälle"

Section 14: Transport Information

Proper Shipping Name: Not Regulated

DOT Hazard Class: Non-Regulated

UN/NA ID: Not Regulated

Packing Group: Not Applicable

Labels: Not Regulated

Marine Pollutant: No

NAER Guidebook: Not Regulated

DOT Status: Not Regulated

Section 15: Regulatory Information

TSCA:

All components of this product are listed on the TSCA 8(b) inventory. If identified components of this product are listed under the TSCA 12(b) Export Notification Rule, they will be listed below.

TSCA 12(b) Component	Listed under TSCA Section
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SARA-Section 313 Emissions Reporting:

Component	Reporting Threshold
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SARA-Section 311/312:

No components present in this product are subject to the reporting requirements of this statute.

CERCLA Hazardous Substances and their Reportable Quantities:

Component	Reportable Quantity
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California Prop. 65:

Proposition 65 requires manufacturers or distributors of consumer products into the State of California to provide a warning statement if the product contains ingredients for which the State has found to cause cancer, birth defects or other reproductive harm. If this product contains an ingredient listed by the State of California to cause cancer or reproductive toxicity, it will be listed below:

Section 16: Other Information

Disclaimer of Liability:

Caution! Do not use SPI Supplies products or materials in applications involving implantation within the body; direct or indirect contact with the blood pathway; contact with bone, tissue, tissue fluid, or blood; or prolonged contact with mucous membranes. Products offered by SPI Supplies are not designed or manufactured for use in implantation in the human body or in contact with internal body fluids or tissues. SPI Supplies will not provide to customers making devices for such applications any notice, certification, or information necessary for such medical device use required by US FDA (Food and Drug Administration) regulation or any other statute. SPI Supplies and Structure Probe, Inc. make no representation, promise, express warranty or implied warranty concerning the suitability of these materials for use in implantation in the human body or in contact with internal body tissues or fluids.

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