



Flame Tech, Inc.
5180 Indiana Avenue
Winston Salem, NC 27106

Material Safety Data Sheet

Product Name: Thermal Seal

Date issued: 12-12-02

I. Chemical Product and Company Identification

Product Name: Thermal Seal Acrylic Latex Caulk with Silicone

Chemical Name: Acrylic latex sealant

Molecular Formula: Mixture

Proper DOT Shipping: Caulking Compound

DOT Hazard Classification: None

Manufacturer: Flame Tech Inc

198 Kapp St

Winston Salem, NC 27105

Manufacturer's phone number: 1800-638-3160

II. Hazardous Ingredients

Name: *Ethylene Glycol

CAS Number: 107-21-1

Percent by Weight: < 1.0%

ACGIH TLV: 50

OSHA PEL: 50

LC50 SPECIES & ROUTE: 4.0 G/KG (RAT)

Name: Mineral Sprits

CAS Number: 8052-41-3

Percent by Weight: <5.0%

ACGIH TLV: 100

OSHA PEL: 100

IC50 SPECIES & ROUTE: 3400 ppm/4H rat inh.

Other Limits: *indicates toxic chemical (s) subject to the reporting requirements of section 313 of Title III and 40 CFR 372

III. Hazards Identification

HMIS Hazard Rating: Health 0 Flammability 0 Reactivity 0

Note: The HMIS rating involves data interpretation that varies from company to company. This information is intended for general identification specific hazards. To safely handle this material, all information in this MSDS should be considered.

IV. First Aid Measures

ROUTES OF ENTRY:

Primary Routes of Entry: Skin and inhalation

Inhalation: Trace component and residual monomer may cause headache, nausea, and irritation of the nose, throat, and lungs in poorly ventilated areas.

Skin: No evidence of adverse effects from available information.

Eyes: Direct contact may cause eye irritation.

Ingestion: There are no known symptoms of ingestion.

Health Hazards: The principle volatile component is water. Minor volatile components from emulsion may cause headaches and nauseas. Prolonged and repeated skin contact can cause irritation. Treatment of overexposure should directed at the control of symptoms and clinical condition.

Carcinogen: No NTP: No IARC Monographs: NO

OSHA Regulated: No

SIGNS AND SYMPTOMS OF EXPOSURES:

Medical Conditions Generally Aggravated by Exposure: No evidence of adverse effects from available information.

EMERGENCY AND FIRST AID PROCEDURES:

Eyes: Immediately flush eyes with copious amounts of water.

Skin: Wash skin with soap and water.

Inhalation: Remove subject to fresh air. No emergency care anticipated.

Oral: No harmful effects expected.

V. Fire Fighting Measures

Flash Point: N/A

Flammability Limits in Air- Lower: 0.9% by volume

Upper: 15.3% by volume

Extinguishing Media: Foam, Alcohol Foam, CO₂, Dry Chemical, and Water

Fog

Special Fire Fighting procedures: Non-flammable (aqueous emulsion).

After water evaporates, remaining material will burn. Breathing apparatus required when fighting fires in enclosed areas.

Unusual Fire and Explosion Hazards: Products will not burn but may cause spatter if temperature exceeds boiling point of water.

Dried solids can burn, giving off oxides of carbon.

Flammability: T.D.G.R Class

Sensitivity to impact

Sensitivity to static discharge

VI. Accidental Release Measures

Restrict area to only those personnel needed. Major spills should be collected for disposal.

Minor spills may be flushed to sewer if permitted by state, federal, and local regulations.

VII. Handling and Storage

Personal Precautionary Measures: Avoid breathing vapors in top of shipping container.

Keep Container closed: Use with adequate ventilation. Avoid contact with skin and clothing. Wash thoroughly after handling.

Storage: Store in a cool dry place. Protect from freezing and excessive heat.

VIII. Exposure Controls and Personal Protection

Ventilation: Good general ventilation should be sufficient.

Respiratory Protection: If engineering controls do not maintain airborne concentrations of hazardous ingredients below limits in Section II of this MSDS, then NIOSH/NSHA approved organic vapor respirator should be used.

Eye Protection: Wear safety glasses with side shields

Skin Protection: Impervious gloves are suggested.

IX. Physical and Chemical Properties

Boiling Point: 212 F

Vapor Pressure (mmHg): not determined

Vapor Density (AIR=1): Lighter than air

Solubility in Water: Dilutable in wet stage

Appearance: White or colored paste

Odor: Acrylic odor

Specific Gravity (H₂O=1): 1.63

Freeze Point: 32 F

Evaporation Rate (BuAc=1) : Slower than n-Butyl Acetate

Volatile Organic Content: 47 grams/ liter

X. Stability and Reactivity

Stability: Stable

Incompatibility: None known

Hazardous Polymerization: Will not occur

XI. Disposal Considerations

Incinerate or bury in suitable landfill where permitted by national, state, or local laws.

XII. Transport Considerations

Marine pollutant components: None

DOT (USA): Caulking Compound

DOT Hazard Classification: None

UN/NA Number: Not applicable

Label Required: None

XIII. Regulatory Information

TSCA: All chemical substances found in this product comply with Toxic Substances Control Act inventory reporting requirements.

SARA 302: No components subject to 40 CFR 370

SARA 311-312: Not subject to reporting requirements of 40 CFR 370

SARA 313: Ethylene Glycol CAS No. 107-21-1 < 1% by weight

Carcinogenicity Classification: None

ACGIH: not classifiable as a human carcinogen

DSL: All ingredients are listed on the DSL

XIV. Other Information

Disclaimer: The opinions expressed herein are those of qualified experts within Flame Tech. We believe the information contained herein is current as of date of this MSDS. Since the use of the product is not within the control of Flame Tech, it is the user's obligation to determine the conditions of safe use.