MATERIAL DATA SHEET

FillaChip
22400 Industrial Blvd.
Rogers, MN 55374

Telephone Number: 763-381-1285
CHEMTREC Number: 800-424-9300

1. CHEMICAL PRODUCT AND COMPANY IDENTIFICATION

Product Name: FAC-1900 (FillaChip)

Synonyms: Acrylic

Product Use/Class: Encapsulant/Adhesive

Supplier: FillaChip
22400 Industrial Blvd.
Rogers, MN 55374
Phone: 763-381-1285

2. COMPOSITION/INFORMATION ON INGREDIENTS

Name:	CAS Number	Wt.%
Acrylate Oligomer	T.S.	>40
Tricyclodecane dimethanol diacrylate	42594-17-2	>15
Tridecyl acrylate	3076-04-8	<40
Photo curing agent	Proprietary	3-13

See Section 8 for Exposure Guideline

3. HAZARDS IDENTIFICATION

POTENTIAL HEALTH EFFECTS

Eye Contact:
May cause persistent, severe eye injury

Skin Contact:
May cause severe irritation. Repeated skin contact may result in allergic reaction causing itching, burning, redness, and swelling. Contact with hot material can cause thermal burns which may result in permanent damage.

Inhalation:
This material does not normally present an inhalation hazard; however, in applications where vapors (caused by high temperature) or mists (caused by mixing) are created, breathing may cause a burning sensation in the nose, throat, and lungs.

Ingestion:
Although it is not expected to be a relevant route of exposure, ingestion may cause gastrointestinal irritation. Do not induce vomiting/risk of damage to lungs exceeds poisoning risk. Obtain emergency medical attention.

4. FIRST AID MEASURES

Eye Contact:
If contact with hot material, cool exposed area by flushing with large quantities of water. Flush eyes with water for 15 minutes while holding eyelids open. Rest for 30 minutes. If redness, burning, blurred vision or swelling persist, consult a physician.

Skin Contact:
If contact with hot material, cool exposed area by flushing with large quantities of water. Wipe of excess material from exposed area. Flush exposed area with water and follow by washing with soap if available. If contact with cool material, wipe off excess material, flush exposed area with water then follow by washing with soap if available.

Inhalation:
Remove victim to fresh air. Give artificial respiration if not breathing. Get medical attention.

Ingestion:
DO NOT induce vomiting. Have victim rinse mouth out with water, and then drink sips of water to remove the taste from mouth. In general no treatment is necessary unless large quantities are ingested, however, get medical advice. If vomiting occurs spontaneously, keep head below hips to prevent aspiration.

5. FIRE FIGHTING MEASURES

Flash Point:	325° F	Lower Explosive Limit: Not determined
Flash Point Method:	SETA Flash	Upper Explosive Limit: Not determined

Extinguishing Media:
Water fog, Carbon Dioxide (CO_2), Foam, Dry Chemical to extinguish flames.

Fire Fighting Procedures:
Material will not burn unless pre-heated. Clear fire area of all non-emergency personnel. Do not enter a confined fire space without full bunk gear (helmet with face shield, bunker coat, gloves and rubber boots), including a positive pressure, NIOSH approved, self-contained breathing apparatus. Cool surrounding equipment; fire exposed containers, and structures with water. Container areas exposed to direct flame contact should be cooled with large quantities of water (500 gallons water per minute flame impingement expose) to prevent weakening of container structure.

6. ACCIDENTAL RELEASE MEASURES

May burn although not readily ignitable.

Protective measures:
Wear appropriate personal protective equipment (refer to section 8) when responding to spills.

Spill Management:
Use cautious judgment when cleaning large spills. Shut off source of leak, if it is safe to do so. Dike and contain spill. Remove with a vacuum truck or pump to storage/salvage containers. Soak up residue with an absorbent such as clay, sand, or other suitable material and dispose of properly. Flush area with water to remove trace residue. Contain run-off from flush and dispose of properly. For small spills: Soak up residue with an absorbent such as clay, sand, or other suitable material and dispose of properly. Place in non-leaking container and seal tightly for proper disposal.

Disposal:
Proper disposal should be evaluated based on regulatory status of this material (refer to section 13), potential contamination from subsequent use and spillage, and regulations governing disposal in the local area.

Reporting:
Notify authorities if any expose to general public or environment occurs or is likely to occur.

7. HANDLING AND STORAGE

Storage:
Protect from light, will cure when expose to ambient light. Store in a cool dry place with adequate ventilation. Keep away from open flames and high temperatures.

Handling:
Wash hands with soap and water before eating, drinking, smoking, applying cosmetics, or using toilet facilities. Launder contaminated clothing before reuse. Contaminated leather articles, including shoes cannot be decontaminated and should be destroyed before reuse. Keep containers closed when not in use.

8. EXPOSURE CONTROLS/PERSONAL PROTECTION

Engineering Controls:
No exposure controls are needed under normal conditions of use. However, good industrial hygiene practice dictates that worker protection should be achieved through engineering controls, such as ventilation whenever feasible.

Exposure Limits:
Unknown at this time.

Respiratory Protection:
Not needed under normal conditions of use.

Eye Protection:
Chemical goggles if liquid contact is likely, or safety glasses.

Skin Protection:
Impervious gloves.

Other Protective Equipment:
Local ventilation.

9. PHYSICAL AND CHEMICAL PROPERTIES

Vapor Pressure	< 1mmHg at 77°F (25°C)
Vapor Density (Air=1)	1
Specific Gravity	1.12
Boiling Point	400°F
pH	N/A
Other Properties	
Appearance and Odor	Clear, pine like odor

10. STABILITY AND REACTIVITY

Stability:
Stable under normal conditions. Avoid exposure to light.

Hazardous Polymerization:
May not occur

Incompatibility With Other Materials:
High heat above 300° F, and strong oxidizing agents, mineral or Lewis acids, strong bases. Reaction with many curing agents such as amines may release considerable heat.

10. STABILITY AND REACTIVITY (CONTINUED)

Hazardous Decomposition Products:
Carbon Monoxide, Carbon Dioxide, Aldehydes, Acids.

11. TOXICOLOGICAL PROPERTIES

Eye Irritation:
Contains material irritating to the eyes. Symptoms may include blurred vision, burning sensation and tearing.

Skin Irritation:
Contains material that cause moderate skin irritation. Prolonged or repeated exposure may exert a defatting or drying action of the skin, possibly resulting in dermatitis. This product may cause skin sensitization/allergic skin reaction that may be severe in certain individuals. Symptoms include rash, itching, hives, and swelling.

Carcinogenicity: NTP: Not listed IARC: not classified as a carcinogen

12. ECOLOGICAL INFORMATION

This section will be updated as ecological reviews are completed.

13. DISPOSAL CONSIDERATIONS

General Recommendations:
Place in an appropriate disposal facility in compliance with federal, state and local regulations. Disposal options include land filling solids at permitted sites, fuel blending or incinerating liquids.

14. TRANSPORTATION INFORMATION

DOT Transport Information:
This material is not subject to DOT regulations under 49 CFT Parts 171-180.

International Air Transportation Association:
This material is not classified as hazardous under IATA regulations.

International Maritime Organization:
This material is not classified as hazardous under IMO regulations.

15. REGULATORY INFORMATION

US FEDERAL REGULATIONS

SARA Section 311/312
This product contains the following chemicals subject to reporting requirements: NONE
Section 303 Extremely Hazardous Substance
Pursuant to section 303 of SARA Title III, this product does not contain an extremely hazardous substance.

TSCA:
The ingredients of this formulation are listed, or excluded from listing, on the United States Environmental protection agency toxic substance control act (TSCA) inventory.

STATE REGULATIONS

California Proposition 65: This product contains, or may contain trace quantities of a substance known to the state of California to cause cancer, birth defects, or reproductivity difficulties.
International WHMIS: This MSCS is in compliance with the requirements of the Canadian Workplace Hazardous Material Information System

16. **OTHER INFORMATION**

HMIA Ratings: Health	-2	Flammability	-1	Reactivity	-2
NFPA Hazard: Health	-2	Flammability	-1	Reactivity	-2

Ratings Key: 4 = Highest Hazard, 0 = Lowest Hazard, * = Chronic Health Hazard

Key to abbreviations used:

NA	Not applicable
NAV	Not available
NE	Not estabilished
NJTSR No.	New Jersey Trade Secret Registry Number

Revision Summary:

Revision Date: 4-20-14
Supersedes Date: na