


SAFETY DATA SHEET

ACCORDING TO EC-REGULATIONS 1907/2006 (REACH), 1272/2008 (CLP) & 453/2010

1. SECTION 1: IDENTIFICATION OF THE SUBSTANCE/MIXTURE AND OF THE COMPANY/UNDERTAKING

1.1 Product identifier	
Product Name	SerpiMastic.
Product code	2419 (Sprayable), 2418 (Trowelable)
CAS No.	Mixture.
EINECS No.	Mixture.
REACH Registration No.	None assigned.
1.2 Relevant identified uses of the substance or mixture and uses advised against	
Identified use(s)	Asbestos encapsulant.
Uses advised against	None known.
1.3 Details of the supplier of the Safety Data Sheet	
Company Identification	Fiberlock Technologies, Inc. 150 Dascomb Road Andover, MA 01810 USA
Telephone	978-623-9987
Fax	978-475-6205
E-mail	r.child@calprocorp.com
1.4 Emergency telephone number	
CHEM TEL	813-248-0585 (24 hour(s))

2. SECTION 2: HAZARDS IDENTIFICATION

2.1 Classification of the substance or mixture	
Regulation (EC) No. 1272/2008 (CLP)	Aquatic Chronic 2; Toxic to aquatic life with long lasting effects.
2.2 Label elements	
Product Name	According to Regulation (EC) No. 1272/2008 (CLP) SerpiMastic.
Hazard pictogram(s)	
Signal word(s)	GHS09 None.
Hazard statement(s)	H411: Toxic to aquatic life with long lasting effects.
Precautionary statement(s)	P273: Avoid release to the environment. P391: Collect spillage. P501: Dispose of contents/container to: Approved landfill.
2.3 Other hazards	May cause irritation to skin, eyes and respiratory system.
2.4 Additional Information	For full text of H/P statements see section 16.

3. SECTION 3: COMPOSITION/INFORMATION ON INGREDIENTS

3.1 Mixtures

EC Classification No. 1272/2008

Hazardous ingredient(s)	%W/W	CAS No.	EC No.	REACH Registration No.	Hazard pictogram(s) and Hazard statement(s)
Frits, chemicals	10 - 15	65997-18-4	266-047-6	01-2119548361-42-0000	GHS08, Carc. 1A; H350
Zinc borate	5 - 10	138265-88-0	None assigned	None assigned	GHS09, Aquatic Acute 1; H400, Aquatic Chronic 1; H410
Titanium dioxide	0 - 1	13463-67-7	236-675-5	01-2119489379-17-0000	None
Propane-1,2-diol	0 - 1	57-55-6	231-545-4	01-2119456809-23-0000	None

3.2 Additional Information

For full text of H/P statements see section 16.

4. SECTION 4: FIRST AID MEASURES



4.1 Description of first aid measures

Inhalation

If breathing is difficult, remove victim to fresh air and keep at rest in a position comfortable for breathing.

Skin Contact

Wash skin with soap and water. If irritation develops and persists, get medical attention.

Eye Contact

Flush eyes with water for at least 15 minutes while holding eyelids open. If symptoms persist, obtain medical attention. Wash out mouth with water.

Ingestion

May cause irritation to skin, eyes and respiratory system.

4.2 Most important symptoms and effects, both acute and delayed

4.3 Indication of any immediate medical attention and special treatment needed

Unlikely to be required but if necessary treat symptomatically.

5. SECTION 5: FIRE-FIGHTING MEASURES

5.1 Extinguishing Media

Suitable Extinguishing Media

As appropriate for surrounding fire.

Unsuitable Extinguishing Media

None known.

5.2 Special hazards arising from the substance or mixture

Decomposes in a fire giving off toxic fumes: Carbon monoxide, Carbon dioxide.

5.3 Advice for fire-fighters

Fire fighters should wear complete protective clothing including self-contained breathing apparatus.

6. SECTION 6: ACCIDENTAL RELEASE MEASURES

6.1 Personal precautions, protective equipment and emergency procedures

Provide adequate ventilation. Avoid breathing vapours. Wear suitable protective clothing, gloves and eye/face protection.

6.2 Environmental precautions

Avoid release to the environment.

6.3 Methods and material for containment and cleaning up

Absorb spillages onto sand, earth or any suitable adsorbent material. Collect spillage. Transfer to a container for disposal.

6.4 Reference to other sections

See Also Section: 8, 13.

7. SECTION 7: HANDLING AND STORAGE

7.1 Precautions for safe handling	Provide adequate ventilation. Avoid breathing vapours. Avoid prolonged skin contact. Wear suitable protective clothing, gloves and eye/face protection. Wash hands thoroughly after handling. Keep out of reach of children.
7.2 Conditions for safe storage, including any incompatibilities	Store in a cool/low-temperature, well-ventilated (dry) place.
Storage Temperature	Ambient.
Storage Life	Stable under normal conditions.
Incompatible materials	None known.
7.3 Specific end use(s)	Asbestos encapsulant.

8. SECTION 8: EXPOSURE CONTROLS/PERSONAL PROTECTION




8.1 Control parameters

8.1.1 Occupational Exposure Limits

SUBSTANCE	CAS No.	LTEL (8 hr TWA ppm)	LTEL (8 hr TWA mg/m ³)	STEL (ppm)	STEL (mg/m ³)	Note
Titanium dioxide	13463-67-7	-	10 (Inhalable Dust)	-	-	WEL
		-	4 (Respirable Dust)	-	-	WEL
Propane-1,2-diol	57-55-6	50 (Total vapour and particulates)	474 (Total vapour and particulates)	-	-	WEL

Source:

WEL: Workplace Exposure Limit (UK HSE EH40)

8.1.2 Biological limit value	Not established.
8.1.3 PNECs and DNELs	Not established.
8.2 Exposure controls	
8.2.1 Appropriate engineering controls	Provide adequate ventilation.
8.2.2 Personal protection equipment	
Eye/face protection	Wear protective eye glasses for protection against liquid splashes.
	
Skin protection (Hand protection/ Other)	Wear suitable gloves if prolonged skin contact is likely.
	
Respiratory protection	No personal respiratory protective equipment normally required.
	
Thermal hazards	There might be possibility for formation of crystalline powder when dry film of SerpiMastic is sanded after application. A suitable dust mask or dust respirator with filter type P (EN143 or EN405) may be appropriate.
8.2.3 Environmental Exposure Controls	Not applicable. Avoid release to the environment.

9. SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES

9.1	Information on basic physical and chemical properties	
	Appearance	Liquid.
	Colour	Off-white.
	Odour	Slight.
	Odour Threshold	Not established.
	pH	8 - 10
	Melting Point/Freezing Point	Not available.
	Initial boiling point and boiling range	100°C (>212 °F)
	Flash Point	Not applicable.
	Evaporation rate	1 (Ethyl acetate = 1)
	Flammability (solid, gas)	Non-flammable.
	Upper/lower flammability or explosive limits	Not applicable.
	Vapour pressure	Not available.
	Vapour density	>1 (Air = 1)
	Relative density	Not available.
	Solubility(ies)	Soluble in water.
	Partition coefficient: n-octanol/water	Not available.
	Auto-ignition temperature	Not applicable.
	Decomposition Temperature	Not available.
	Viscosity	Not available.
	Explosive properties	Not explosive.
	Oxidising properties	Not oxidising.
9.2	Other information	
	Volatile organic compounds (VOC) content	18 g/l

10. SECTION 10: STABILITY AND REACTIVITY

10.1	Reactivity	Stable under normal conditions.
10.2	Chemical stability	Stable under normal conditions.
10.3	Possibility of hazardous reactions	No hazardous reaction known if used for its intended purpose.
10.4	Conditions to avoid	Heat and direct sunlight.
10.5	Incompatible materials	None known.
10.6	Hazardous Decomposition Product(s)	No hazardous decomposition products known.

11. SECTION 11: TOXICOLOGICAL INFORMATION

11.1	Information on toxicological effects	
11.1.1	Mixtures	
	Acute toxicity	Low acute toxicity.
	Irritation	May cause irritation to skin, eyes and respiratory system.
	Corrosivity	Not classified.
	Sensitisation	It is not a skin sensitiser.
	Repeated dose toxicity	None anticipated.
	Carcinogenicity	There is no evidence that this product poses a carcinogenic risk under normal conditions of handling and use.
		Contains: Frits, chemicals (May cause cancer via inhalation of crystalline powder).
		There might be possibility for formation of crystalline powder when dry film of SerpiMastic is sanded after application.
	Mutagenicity	There is no evidence of mutagenic potential.
	Toxicity for reproduction	None anticipated.
11.2	Other information	None.

12. SECTION 12: ECOLOGICAL INFORMATION

12.1 Toxicity	Toxic to aquatic life with long lasting effects.
12.2 Persistence and degradability	Part of the components are poorly biodegradable.
12.3 Bioaccumulative potential	The product has no potential for bioaccumulation.
12.4 Mobility in soil	Soluble in water. The product is predicted to have high mobility in soil.
12.5 Results of PBT and vPvB assessment	Not classified as PBT or vPvB.
12.6 Other adverse effects	None.

13. SECTION 13: DISPOSAL CONSIDERATIONS

13.1 Waste treatment methods	Solidification and approved landfill.
13.2 Additional Information	Disposal should be in accordance with local, state or national legislation.

14. SECTION 14: TRANSPORT INFORMATION

14.1 UN number	UN 3082
14.2 UN Proper Shipping Name	ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S. (Contains: Zinc borate)
14.3 Transport hazard class(es)	9
14.4 Packing Group	III
14.5 Environmental hazards	Classified as a Marine Pollutant.
14.6 Special precautions for user	None.
14.7 Transport in bulk according to Annex II of MARPOL73/78 and the IBC Code	Not applicable.

15. SECTION 15: REGULATORY INFORMATION

15.1 Safety, health and environmental regulations/legislation specific for the substance or mixture	
15.1.1 EU regulations	
Authorisations and/or restrictions on use	
Candidate List of Substances of Very High Concern for Authorisation	All chemicals are not listed.
REACH: ANNEX XIV List of substances subject to authorisation	All chemicals are not listed.
REACH: ANNEX XVII Restrictions on the manufacture, placing on the market and use of certain dangerous substances, mixtures and articles	All chemicals are not listed.
Community Rolling Action Plan (CoRAP)	Listed: Titanium dioxide (CAS No.: 13463-67-7)
15.1.2 National regulations	None known.
15.2 Chemical Safety Assessment	Not applicable.

16. SECTION 16: OTHER INFORMATION

The following sections contain revisions or new statements: 1-16.

LEGEND

LTEL	Long Term Exposure Limit
STEL	Short Term Exposure Limit
DNEL	Derived No Effect Level
PNEC	Predicted No Effect Concentration
PBT	Persistent, Bioaccumulative and Toxic
vPvB	very Persistent and very Bioaccumulative
Acute Tox. 3	Acute toxicity Category 3
Acute Tox. 4	Acute toxicity Category 4
Aquatic Acute 1	Hazardous to the aquatic environment Acute Category 1
Aquatic Chronic 1	Hazardous to the aquatic environment Chronic Category 1
Aquatic Chronic 2	Hazardous to the aquatic environment Chronic Category 2
Carc. 1A	Carcinogenicity Category 1
Eye Dam. 1	Serious eye damage/irritation Category 1
Skin Corr. 1B	Skin corrosion/irritation Category 1B
Skin Sens. 1	Respiratory or skin sensitization Category 1
STOT SE 3	Specific target organ toxicity — single exposure Category 3

Hazard statement(s) and Precautionary Statement(s)

H301	Toxic if swallowed.
H302	Harmful if swallowed.
H311	Toxic in contact with skin.
H314	Causes severe skin burns and eye damage.
H317	May cause an allergic skin reaction.
H318	Causes serious eye damage.
H332	Harmful if inhaled.
H335	May cause respiratory irritation.
H350	May cause cancer.
H400	Very toxic to aquatic life.
H410	Very toxic to aquatic life with long lasting effects.

Disclaimers

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Annex to the extended Safety Data Sheet (eSDS)

No information available.