



Carlisle Roof Foam and Coatings Safety Data Sheet

1. Identification of Substance:

Product Name: SeamlesSeal FR Acrylic Coating

Supplier Identification:

Carlisle Roof Foam and Coatings

Telephone:

(770) 607-0755

Address:

100 Enterprise Dr.
Cartersville, GA 30120

24-Hr. Emergency Phone Number:

CHEMTREC (800) 424-9300
INTERNATIONAL: +1-(703) 527-3887

Product Use: Water-borne acrylic coating

2. Hazards Identification:

GHS Ratings:

Skin corrosive	2	Reversible adverse effects in dermal tissue, Draize score: \geq 2.3 < 4.0 or persistent inflammation
Eye corrosive	2A	Eye irritant: Subcategory 2A, Reversible in 21 days
Skin sensitizer	1	Skin sensitizer
Carcinogen	1A	Known Human Carcinogen Based on human evidence
Reproductive toxin	2	Human or animal evidence possibly with other information

GHS Hazards

H315	Causes skin irritation
H317	May cause an allergic skin reaction
H319	Causes serious eye irritation
H350	May cause cancer
H361	Suspected of damaging fertility or the unborn child

GHS Precautions

P201	Obtain special instructions before use
P202	Do not handle until all safety precautions have been read and understood
P261	Avoid breathing dust/fume/gas/mist/vapors/spray
P264	Wash hands thoroughly after handling
P272	Contaminated work clothing should not be allowed out of the workplace
P280	Wear protective gloves/protective clothing/eye protection/face protection
P281	Use personal protective equipment as required
P321	Specific treatment is urgent (see Section 4 First Aid measures)
P362	Take off contaminated clothing and wash before reuse
P363	Wash contaminated clothing before reuse
P302+P352	IF ON SKIN: Wash with soap and water
P305+P351+P338	IF IN EYES: Rinse continuously with water for several minutes. Remove contact lenses if present and easy to do – continue rinsing
P308+P313	IF exposed or concerned: Get medical advice/attention
P332+P313	If skin irritation occurs: Get medical advice/attention
P333+P313	If skin irritation or a rash occurs: Get medical advice/attention
P337+P313	Get medical advice/attention

Signal Word: Danger



Acute Toxicity:

Eyes: May cause irritation & burns.

Skin: Minor potential for irritation.

Inhalation: Liquid may cause irritation.

Ingestion: Consult physician.

Conditions aggravated: None known.

Chronic Effects: Not expected to cause any adverse chronic health effects.

3. Composition/Data on Components:

Chemical Name	CAS number	Weight Concentration %
Aluminum hydroxide (Al(OH) ₃)	21645-51-2	10.00% - 20.00%
Titanium dioxide	13463-67-7	5.00% - 10.00%
Ammonium hydroxide	1336-21-6	0.10% - 1.00%
Quartz	14808-60-7	0.10% - 1.00%
Chlorothalonil	1897-45-6	0.10% - 1.00%

4. First Aid Measures:

Inhalation: If symptoms ensue, move to fresh air. If breathing is difficult, give oxygen.

After Eye Contact: Rinse opened eye for at least 15 minutes under running water. Remove contact lenses if present and easy to do so, and continue rinsing.

After Skin Contact: Clean affected area with soap and plenty of water.

After Swallowing: Consult physician.

Notes to Physician: Treat symptomatically

5. Fire Fighting Measures:

Flash Point: >200°F, 93°C

LEL: N/A

UEL: N/A

Upper and lower explosive limits listed if known.

Suitable Extinguishing Agents: Water spray, CO₂, Foam, Dry chemical

Information about Protection against Explosions and Fires: Closed containers may rupture when

exposed to extreme heat.

Dangerous Products of Decomposition: Oxides of carbon, oxides of nitrogen, acrylic monomers.

Protective Equipment: Firefighters should wear a pressure demand self-contained breathing apparatus and protective clothing.

6. Accidental Release Measures:

Person-Related Safety Precautions: Avoid contact with skin and eyes. Do not breathe vapors.

Measures for Environmental Protection: Cover and contain spill with absorbent material. Collect for proper disposal according to local, state, and federal regulations.

Clean up with water. Avoid discharge into drains, water courses, or onto the ground.

7. Handling and Storage:

Information for Safe Handling: Avoid contact with skin or inhalation.

Storage Requirements: Store in dry, well ventilated area. Keep containers tightly closed. Store between 45°F-100°F. Material may freeze below 32°F. Material may settle.

Regulatory Requirements: Store according to all local, state, and federal regulations.

8. Exposure Controls and Personal Protection:

Chemical Name / CAS No.	OSHA Exposure Limits	ACGIH Exposure Limits	Other Exposure Limits
Aluminum hydroxide (Al(OH) ₃) 21645-51-2	Not Established	Not Established	Not Established
Titanium dioxide 13463-67-7	15 mg/m ³ TWA (total dust)	10 mg/m ³ TWA	Not Established
Ammonium hydroxide 1336-21-6	Not Established	Not Established	Not Established
Quartz 14808-60-7	0.05 mg/m ³ TWA (respirable dust)	0.025 mg/m ³ TWA (respirable dust)	NIOSH: 0.05 mg/m ³ TWA (respirable dust)
Chlorothalonil 1897-45-6	Not Established	Not Established	Not Established

Engineering Controls: No specific measures required if proper PPE precautions are followed.

Ventilation: Good general ventilation (typically 10 air changes per hour) should be used. Ventilation rates should be matched to conditions.

General Protective and Hygienic Measures: Usual precautionary measures should be adhered to when handling chemicals.

Personal Protective Equipment:

Respiratory Protection: None required if work area is properly ventilated.

Hand Protection: Protective chemical resistant gloves.
Eye Protection: Safety glasses with side shields.
Body Protection: Protective work clothing. Launder separately.

Contaminated Gear: Observe local requirements. Dispose of in accordance with local/state/federal regulations.

9. Physical and Chemical Properties:

Physical properties listed where known.

Appearance: Various colored liquid	Odor: Mild amine odor
Vapor Pressure: N/A	Odor threshold: N/A
Vapor Density: N/A	pH: N/A
Specific Gravity: 1.35	Melting point: N/A
Freezing point: N/A	Solubility: N/A
Boiling range: 100°C	Flash point: >200°F, 93°C
Evaporation rate: N/A	Flammability: N/A
Explosive Limits: N/A	Partition coefficient (n-octanol/water): N/A
Autoignition temperature: N/A	Decomposition temperature: N/A

10. Stability and Reactivity:

Incompatible Materials: Avoid contact with fluorine, strong acids, strong bases, and oxidizing agents.

Hazardous Polymerization: Not expected to occur.

Dangerous Products of Decomposition: Oxides of carbon, oxides of nitrogen, acrylic monomers.

11. Toxicological Information:

Mixture Toxicity

Component Toxicity

1897-45-6 Chlorothalonil
Dermal LD50: 0 mg/L (Rat) Inhalation LC50: 0 mg/L (Rat)

Toxicity Values Listed if Known

Acute Toxicity:

Eyes: May cause irritation & burns.

Skin: Minor potential for irritation.

Inhalation: Liquid may cause irritation.

Ingestion: Consult physician.

Chronic Effects: Not expected to cause any adverse chronic health effects.

Routes of Entry: Inhalation, ingestion, skin contact, eye contact

Target Organs: Respiratory track, eyes, skin

Chemicals with Known or Possible Carcinogenic Effects:

<u>CAS Number</u>	<u>Description</u>	<u>% Weight</u>	<u>Carcinogen Rating</u>
-------------------	--------------------	-----------------	--------------------------

13463-67-7	Titanium dioxide	5 to 10%	Titanium dioxide: NIOSH: potential occupational carcinogen IARC: Possible human carcinogen OSHA: listed
14808-60-7	Quartz	0.1 to 1.0%	Quartz: NIOSH: potential occupational carcinogen IARC: Human carcinogen OSHA: listed
1897-45-6	Chlorothalonil	0.1 to 1.0%	Chlorothalonil: IARC: Possible human carcinogen OSHA: listed

12. Ecological Information:

General Information: Based on experience, no adverse effects are to be expected if correct disposal procedures have been followed as indicated in section 13. Individual component ecotoxicity listed if known.

Component Ecotoxicity

Ammonium hydroxide	96 Hr LC50 Pimephales promelas: 8.2 mg/L 48 Hr EC50 water flea: 0.66 mg/L; 48 Hr EC50 Daphnia pulex: 0.66 mg/L
Chlorothalonil	96 Hr LC50 Oncorhynchus mykiss: 0.012 mg/L [semi-static]; 96 Hr LC50 Oncorhynchus mykiss: 0.0076 mg/L [flow-through]; 96 Hr LC50 Lepomis macrochirus: 0.0221 - 0.032 mg/L [flow-through]; 96 Hr LC50 Lepomis macrochirus: 0.045 - 0.057 mg/L [static] 48 Hr EC50 Daphnia magna: 0.0342 - 0.143 mg/L [Static] 72 Hr EC50 Desmodesmus subspicatus: 0.57 mg/L; 72 Hr EC50 Pseudokirchneriella subcapitata: 0.0068 mg/L [static]

13. Disposal Considerations:

Recommendation: Observe local requirements. Dispose of in accordance with local/state/federal regulations.

Empty Container Precautions: Empty containers retain product residue; observe all precautions for product. Do not heat or cut empty container with electric or gas torch because highly toxic vapors and gases are formed. Do not reuse without thorough commercial cleaning and reconditioning. If container is to be disposed, ensure all product residues are removed and container is empty prior to disposal. Contact the Reusable Industrial Packaging Association (RIPA) at 301-577-3786 to find a drum re-conditioner in North America (www.reusablepackaging.org).

14. Transport Information:

DOT Regulated Components:

This product is not regarded as dangerous goods according to the national and international regulations on the transport of dangerous goods unless specifically cited below:

<u>Agency</u>	<u>Proper Shipping Name</u>	<u>UN Number</u>	<u>Packing Group</u>	<u>Hazard Class</u>
IMDG	Environmentally hazardous substance, liquid, n.o.s. (contains Chlorothalonil)	3082	III	9

15. Regulatory Information:

OSHA HAZARD COMMUNICATION STANDARD: This material is not classified as hazardous in accordance with OSHA 29 CFR 1910.1200.

SARA 311/312 Hazard Categories: None.

California Proposition 65 (Safe Drinking Water and Toxic Enforcement Act of 1986)

This product contains no substances known to the State of California to cause cancer, birth defects or other reproductive harm, at levels which would require a warning under the statute unless otherwise listed:

WARNING: This product can expose you to chemicals listed below, which are known to the State of California to cause cancer, birth defects, or reproductive harm. For more information, visit www.P65Warnings.ca.gov

Chlorothalonil 1897-45-6 0.1 to 1.0 % CARC

Quartz 14808-60-7 0.1 to 1.0 % CARC

Titanium dioxide 13463-67-7 5 to 10 % CARC

Quartz and Titanium dioxide only requires Proposition 65 notification when in dust form and particles of respirable size

Massachusetts Right To Know List:

Chlorothalonil 1897-45-6 0.1 to 1.0 %

Quartz 14808-60-7 0.1 to 1.0 %

Ammonium hydroxide 1336-21-6 0.1 to 1.0 %

Titanium dioxide 13463-67-7 5 to 10 %

New Jersey Right To Know List:

Chlorothalonil 1897-45-6 0.1 to 1.0 %

Quartz 14808-60-7 0.1 to 1.0 %

Ammonium hydroxide 1336-21-6 0.1 to 1.0 %

Titanium dioxide 13463-67-7 5 to 10 %

Pennsylvania Right To Know List:

Chlorothalonil 1897-45-6 0.1 to 1.0 %

Quartz 14808-60-7 0.1 to 1.0 %

Ammonium hydroxide 1336-21-6 0.1 to 1.0 %

Titanium dioxide 13463-67-7 5 to 10 %

SARA 302 Extremely Hazardous Substances:

- None

Chemicals subject to SARA 313 Reporting:

Chlorothalonil 1897-45-6 0.1 to 1.0 % Emissions

Country	Regulation	All Components Listed
Canada	Canada DSL	Yes
US	Toxic Substances Control Act	Yes

16. Other Information:

Safety Data Sheet issued by Product Safety Department

This information is furnished without warranty, expressed or implied, except that it is accurate to the best knowledge of Carlisle Roof Foam and Coatings. The data on these sheets relates only to the specific material designated herein. Carlisle Roof Foam and Coatings assumes no legal responsibility for use or reliance upon this data. It is the user's responsibility to ensure that their activities comply with federal, state, or local laws.

Date revised: 4/5/2019

Reviewer Revision 0

Date Prepared: 4/5/2019