

# Carlisle Roof Foam and Coatings Safety Data Sheet

## 1. Identification of Substance:

Product Name: RoofTite QS 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 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**

|      |   |
|------|---|
| H317 | May cause an allergic skin reaction                 |
| 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   |
| 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)   |
| P363      | Wash contaminated clothing before reuse   |
| P302+P352 | IF ON SKIN: Wash with soap and water  |
| P308+P313 | IF exposed or concerned: Get medical advice/attention   |
| P333+P313 | If skin irritation or a rash occurs: Get medical advice/attention   |
| P405      | Store locked up   |
| P501      | Dispose of contents/container in accordance with existing federal, state, and local environmental control laws. |

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:**

| <b>Chemical Name</b> | <b>CAS number</b> | <b>Weight Concentration %</b> |
|----------------------|-------------------|-------------------------------|
| Limestone            | 1317-65-3         | 1.00% - 5.00%                 |
| Titanium dioxide     | 13463-67-7        | 1.00% - 5.00%                 |
| Zinc oxide           | 1314-13-2         | 1.00% - 5.00%                 |
| Benzophenone         | 119-61-9          | 0.10% - 1.00%                 |
| Ethylene glycol      | 107-21-1          | 0.10% - 1.00%                 |
| Carbon black         | 1333-86-4         | 0.10% - 1.00%                 |
| Chlorothalonil       | 1897-45-6         | 0.10% - 1.00%                 |
| Quartz               | 14808-60-7        | 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: 99 C (210 F)

LEL: N/A

UEL: N/A

**Upper and lower explosive limits listed if known.**

**Suitable Extinguishing Agents:** Water spray, CO<sub>2</sub>, 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, and traces of HCN

**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   |
|--------------------------------|--|--|---|
| Limestone<br>1317-65-3         | 15 mg/m <sup>3</sup> TWA (total dust); 5 mg/m <sup>3</sup> TWA (respirable fraction)                                 | Not Established  | NIOSH: 10 mg/m <sup>3</sup> TWA (total dust); 5 mg/m <sup>3</sup> TWA (respirable dust)   |
| Titanium dioxide<br>13463-67-7 | 15 mg/m <sup>3</sup> TWA (total dust)  | 10 mg/m <sup>3</sup> TWA   | Not Established   |
| Zinc oxide<br>1314-13-2        | 5 mg/m <sup>3</sup> TWA (fume); 15 mg/m <sup>3</sup> TWA (total dust); 5 mg/m <sup>3</sup> TWA (respirable fraction) | 10 mg/m <sup>3</sup> STEL (respirable fraction)<br>2 mg/m <sup>3</sup> TWA (respirable fraction) | NIOSH: 5 mg/m <sup>3</sup> TWA (dust and fume)<br>15 mg/m <sup>3</sup> Ceiling (dust)<br>10 mg/m <sup>3</sup> STEL (fume)             |
| Benzophenone<br>119-61-9       | Not Established  | Not Established  | Not Established   |
| Ethylene glycol<br>107-21-1    | 50 ppm Ceiling   | 100 mg/m <sup>3</sup> Ceiling (aerosol only)   | Not Established   |
| Carbon black<br>1333-86-4      | 3.5 mg/m <sup>3</sup> TWA  | 3 mg/m <sup>3</sup> TWA (inhalable fraction)   | NIOSH: 3.5 mg/m <sup>3</sup> TWA;<br>0.1 mg/m <sup>3</sup> TWA (Carbon black in presence of Polycyclic aromatic hydrocarbons, as PAH) |
| Chlorothalonil<br>1897-45-6    | Not Established  | Not Established  | Not Established   |
| Quartz<br>14808-60-7           | Not Established  | 0.025 mg/m <sup>3</sup> TWA (respirable fraction)  | NIOSH: 0.05 mg/m <sup>3</sup> TWA (respirable dust)   |

**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.

|   |   |
|---|---|
| <b>Appearance:</b> Various colored liquid | <b>Odor:</b> Mild                                   |
| <b>Vapor Pressure:</b> N/A                | <b>Odor threshold:</b> N/A                          |
| <b>Vapor Density:</b> N/A                 | <b>pH:</b> N/A                                      |
| <b>Specific Gravity:</b> 1.44             | <b>Melting point:</b> N/A                           |
| <b>Freezing point:</b> N/A                | <b>Solubility:</b> N/A                              |
| <b>Boiling range:</b> 2500 - 3000°C       | <b>Flash point:</b> 210°F, 99°C                     |
| <b>Evaporation rate:</b> N/A              | <b>Flammability:</b> N/A                            |
| <b>Explosive Limits:</b> N/A              | <b>Partition coefficient (n-octanol/water):</b> N/A |
| <b>Autoignition temperature:</b> N/A      | <b>Decomposition temperature:</b> 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, traces of HCN.

**11. Toxicological Information:**

**Mixture Toxicity**

**Component Toxicity**

|           |                 |  |
|-----------|-----------------|--|
| 119-61-9  | Benzophenone    | Dermal LD50: 3,535 mg/kg (Rabbit)  |
| 107-21-1  | Ethylene glycol | Oral LD50: 2,000 mg/kg (Rat) Dermal LD50: 3,500 mg/kg (Rat) Inhalation LC50: 3 mg/kg (Rat) |
| 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>  |
|-------------------|--------------------|-----------------|---|
| 119-61-9          | Benzophenone       | 0.1 to 1.0%     | Benzophenone: IARC: Possible human carcinogen<br>OSHA: listed   |
| 1317-65-3         | Limestone          | 1 to 5%         | Limestone:  |
| 1333-86-4         | Carbon black       | 0.1 to 1.0%     | Carbon black: NIOSH: potential occupational carcinogen<br>IARC: Possible human carcinogen<br>OSHA: listed     |
| 13463-67-7        | Titanium dioxide   | 1 to 5%         | Titanium dioxide: NIOSH: potential occupational carcinogen<br>IARC: Possible human carcinogen<br>OSHA: listed |
| 14808-60-7        | Quartz             | 0.1 to 1.0%     | Quartz: NIOSH: potential occupational carcinogen<br>IARC: Human carcinogen<br>OSHA: listed                    |
| 1897-45-6         | Chlorothalonil     | 0.1 to 1.0%     | Chlorothalonil: IARC: Possible human carcinogen<br>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**

|                 |  |
|-----------------|--|
| Benzophenone    | 96 Hr LC50 Pimephales promelas: 13.2 - 15.3 mg/L [flow-through]  |
| Ethylene glycol | 96 Hr LC50 Oncorhynchus mykiss: 41000 mg/L; 96 Hr LC50 Oncorhynchus mykiss: 14 - 18 mL/L [static]; 96 Hr LC50 Lepomis macrochirus: 27540 mg/L [static]; 96 Hr LC50 Oncorhynchus mykiss: 40761 mg/L [static]; 96 Hr LC50 Pimephales promelas: 40000 - 60000 mg/L [static]; 96 Hr LC50 Poecilia reticulata: 16000 mg/L [static]<br>48 Hr EC50 Daphnia magna: 46300 mg/L<br>96 Hr EC50 Pseudokirchneriella subcapitata: 6500 - 13000 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]<br>48 Hr EC50 Daphnia magna: 0.0342 - 0.143 mg/L [Static]<br>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](http://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.<br>(contains Chlorothalonil) | 3082             | III                  | 9                   |

#### **15. Regulatory Information:**

**OSHA HAZARD COMMUNICATION STANDARD:** This material is classified as hazardous in accordance with OSHA 29 CFR 1910.1200.

**SARA 311/312 Hazard Categories:** Chronic health hazard.

##### **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](http://www.P65Warnings.ca.gov)

Lead 7439-92-1 < 1 PPM CARC, REPRO - M, REPRO - F, DEVELOPMENTAL  
Cadmium 7440-43-9 < 1 PPM CARC  
Quartz 14808-60-7 0.1 to 1.0 % CARC  
Chlorothalonil 1897-45-6 0.1 to 1.0 % CARC  
Ethylene glycol 107-21-1 0.1 to 1.0 % DEVELOPMENTAL  
Benzophenone 119-61-9 0.1 to 1.0 % CARC  
Carbon black 1333-86-4 0.1 to 1.0 % CARC  
Titanium dioxide 13463-67-7 1 to 5 % CARC

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

##### **Massachusetts Right To Know List:**

Quartz 14808-60-7 0.1 to 1.0 %  
Chlorothalonil 1897-45-6 0.1 to 1.0 %  
Carbon black 1333-86-4 0.1 to 1.0 %  
Zinc oxide 1314-13-2 1 to 5 %  
Limestone 1317-65-3 1 to 5 %  
Titanium dioxide 13463-67-7 1 to 5 %

##### **New Jersey Right To Know List:**

Quartz 14808-60-7 0.1 to 1.0 %  
Chlorothalonil 1897-45-6 0.1 to 1.0 %  
Carbon black 1333-86-4 0.1 to 1.0 %  
Zinc oxide 1314-13-2 1 to 5 %  
Limestone 1317-65-3 1 to 5 %  
Titanium dioxide 13463-67-7 1 to 5 %

**Pennsylvania Right To Know List:**

Quartz 14808-60-7 0.1 to 1.0 %  
Chlorothalonil 1897-45-6 0.1 to 1.0 %  
Carbon black 1333-86-4 0.1 to 1.0 %  
Zinc oxide 1314-13-2 1 to 5 %  
Limestone 1317-65-3 1 to 5 %  
Titanium dioxide 13463-67-7 1 to 5 %

**SARA 302 Extremely Hazardous Substances:**

- None

**Chemicals subject to SARA 313 Reporting:**

Lead 7439-92-1 < 1 PPM Emissions, PBT  
Cadmium 7440-43-9 < 1 PPM Emissions  
Chlorothalonil 1897-45-6 0.1 to 1.0 % Emissions

| <u>Country</u> | <u>Regulation</u>            | <u>All Components Listed</u> |
|----------------|------------------------------|------------------------------|
| 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.

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