

Carlisle Roof Foam and Coatings Safety Data Sheet

1. Identification of Substance:

Product Name: PremiSeal™ 255 Series

Supplier Identification:

Carlisle Roof Foam and Coatings

Telephone:

844-922-2355

Address:

100 Enterprise Drive
Cartersville, GA 30120

24-Hr. Emergency Phone Number:

CHEMTREC (800) 424-9300

Product Use: Polyurethane polyol component

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 | 1 | Serious eye damage: Irreversible damage 21 days after exposure, Draize score: Corneal opacity ≥ 3 , Iritis > 1.5 |
| Skin sensitizer | 1 | Skin sensitizer |
| Reproductive toxin | 2 | Human or animal evidence possibly with other information |
| Organ toxin single exposure | 2 | Presumed to be harmful to human health- Animal studies with significant toxic effects relevant to humans at generally moderate exposure (guidance) - Human evidence in exceptional cases |
| Organ toxin repeated exposure | 2 | Presumed to be harmful to human health- Animal studies with significant toxic effects relevant to humans at generally moderate exposure (guidance)- Human evidence in exceptional cases |

GHS Hazards

| | |
|------|---|
| H315 | Causes skin irritation |
| H317 | May cause an allergic skin reaction |
| H318 | Causes serious eye damage |
| H361 | Suspected of damaging fertility or the unborn child |
| H371 | May cause damage to organs |
| H373 | May cause damage to organs through prolonged or repeated exposure |

GHS Precautions

| | |
|------|---|
| P201 | Obtain special instructions before use |
| P202 | Do not handle until all safety precautions have been read and understood |
| P260 | Do not breathe dust/fume/gas/mist/vapours/spray |
| P261 | Avoid breathing dust/fume/gas/mist/vapours/spray |
| P264 | Wash hands thoroughly after handling |
| P270 | Do not eat, drink or smoke when using this product |
| 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 |

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| P310 | Immediately call a POISON CENTER in case of overexposure. |
| P314 | Get Medical advice/attention if you feel unwell |
| 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 |
| P309+P311 | IF exposed or you feel unwell: Call a POISON CENTER or doctor/physician |
| P332+P313 | If skin irritation occurs: 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 Section 13 |

Signal Word: Danger



3. Composition/Data on Components:

| Chemical Name | CAS number | Weight Concentration % |
|--|-------------|------------------------|
| Oxirane, 2-methyl-, polymer with oxirane, ether with 2,6-bis [[bis(2-hydroxyethyl)amino]methyl]-4-branched nonylphenol | 940912-28-7 | 20.00% - 30.00% |
| 2-Propanol, 1-chloro-, phosphate (3:1) | 13674-84-5 | 10.00% - 20.00% |
| 2-(Dimethylamino)ethanol | 108-01-0 | 1.00% - 5.00% |
| Triethyl phosphate | 78-40-0 | 1.00% - 5.00% |
| Diethylene glycol | 111-46-6 | 1.00% - 5.00% |
| 1,1,1,3,3-Pentafluoropropane | 460-73-1 | 1.00% - 5.00% |

4. First Aid Measures:

Inhalation: If inhaled and 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. If irritation persists contact physician

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

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, hydrocarbons, oxides of phosphorus, hydrocarbons, traces of HCN, hydrogen chloride gas, hydrogen fluoride.

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.

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

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 60°F-100°F. Material may settle.

8. Exposure Controls and Personal Protection:

| Chemical Name / CAS No. | OSHA Exposure Limits | ACGIH Exposure Limits | Other Exposure Limits |
|--|----------------------|-----------------------|-----------------------|
| Oxirane, 2-methyl-, polymer with oxirane, ether with 2,6-bis[[bis(2-hydroxyethyl)amino]methyl]-4-branched nonylphenol 940912-28-7 | Not Established | Not Established | Not Established |
| 2-Propanol, 1-chloro-, phosphate (3:1) 13674-84-5 | Not Established | Not Established | Not Established |
| 2-(Dimethylamino)ethanol 108-01-0 | Not Established | Not Established | Not Established |
| Triethyl phosphate 78-40-0 | Not Established | Not Established | Not Established |
| Diethylene glycol 111-46-6 | Not Established | Not Established | Not Established |
| 1,1,1,3,3-Pentafluoropropane 460-73-1 | Not Established | Not Established | Not Established |

Engineering Controls: No specific measures required.

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

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

Hand Protection: Protective chemical resistant gloves.

Eye Protection: Safety glasses.

Body Protection: Protective work clothing. Launder separately.

9. Physical and Chemical Properties:

| | |
|--|---|
| Appearance: Off white liquid | Odor: Mild |
| Vapor Pressure: N/A | Odor threshold: N/A |
| Vapor Density: N/A | pH: N/A |
| Specific Gravity: 1.10 | Melting point: N/A |
| Freezing point: N/A | Solubility: N/A |
| Boiling range: 100 - 342°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: 229°C | Decomposition temperature: N/A |

10. Stability and Reactivity:

Chemical Incompatible Materials: Avoid contact with isocyanates and strong oxidizing agents.

Hazardous Polymerization: Not expected to occur.

Dangerous Products of Decomposition: Oxides of carbon, oxides of nitrogen, hydrocarbons, oxides of phosphorus, hydrocarbons, traces of HCN, hydrogen chloride gas, hydrogen fluoride.

11. Toxicological Information:

Mixture Toxicity

Oral Toxicity LD50: 2,202mg/kg

Inhalation Toxicity LC50: 50mg/L

Component Toxicity

13674-84-5 2-Propanol, 1-chloro-, phosphate (3:1)

Oral LD50: 500 mg/kg (Rat) Dermal LD50: 1,230 mg/kg (Rabbit) Inhalation LC50: 5 mg/L (Rat)

108-01-0 2-(Dimethylamino)ethanol

Oral LD50: 1,803 mg/kg (Rat) Dermal LD50: 1,220 mg/kg (Rabbit) Inhalation LC50: 1,641 ppm (R)

Toxicity Values Listed if Known

Acute Toxicity:

Eyes: Irritating to eyes

Skin: Harmful in contact with skin

Inhalation: Not expected to be a route of exposure

Ingestion: Harmful if swallowed. Consult physician

Chronic Effects: Possible harmful target organ effects

Routes of Entry : Ingestion, skin contact, eye contact
Target Organs: Eyes, Skin, Digestive tract
Chemicals with Known or Possible Carcinogenic Effects:

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

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

| | |
|--|--|
| 2-Propanol, 1-chloro-, phosphate (3:1) | 96 Hr LC50 Brachydanio rerio: 56.2 mg/L [static]; 96 Hr LC50 Pimephales promelas: 98 mg/L [static]; 96 Hr LC50 Poecilia reticulata: 30 mg/L [static] 48 Hr EC50 Daphnia magna: 63 mg/L 72 Hr EC50 Desmodesmus subspicatus: 45 mg/L; 96 Hr EC50 Pseudokirchneriella subcapitata: 4 mg/L |
| 2-(Dimethylamino)ethanol | 96 Hr LC50 Pimephales promelas: 81 mg/L [static] 48 Hr EC50 Daphnia magna: 98.77 mg/L 72 Hr EC50 Desmodesmus subspicatus: 35 mg/L |
| Diethylene glycol | 96 Hr LC50 Pimephales promelas: 75200 mg/L [flow-through] 48 Hr EC50 Daphnia magna: 84000 mg/L |

13. Disposal Considerations:

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

14. Transport Information:

Not considered a dangerous good according to transport regulations unless specifically cited below:

| <u>Agency</u> | <u>Proper Shipping Name</u> | <u>UN Number</u> | <u>Packing Group</u> | <u>Hazard Class</u> |
|---------------|-----------------------------|------------------|----------------------|---------------------|
|---------------|-----------------------------|------------------|----------------------|---------------------|

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: Acute health hazard, 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:

Massachusetts Right To Know List:

Triethyl phosphate 78-40-0 1 to 5 %
2-(Dimethylamino)ethanol 108-01-0 1 to 5 %
2-Propanol, 1-chloro-, phosphate (3:1) 13674-84-5 10 to 20 %

New Jersey Right To Know List:

Triethyl phosphate 78-40-0 1 to 5 %

2-(Dimethylamino)ethanol 108-01-0 1 to 5 %
2-Propanol, 1-chloro-, phosphate (3:1) 13674-84-5 10 to 20 %

Pennsylvania Right To Know List:

Diethylene glycol 111-46-6 1 to 5 %
Triethyl phosphate 78-40-0 1 to 5 %
2-(Dimethylamino)ethanol 108-01-0 1 to 5 %
2-Propanol, 1-chloro-, phosphate (3:1) 13674-84-5 10 to 20 %

All Substances Listed on TSCA Inventory Unless Noted:

- None

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 CRFC. The data on these sheets relates only to the specific material designated herein. CRFC 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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