



Carlisle Roof Foam and Coatings Safety Data Sheet

1. Identification of Substance:

Product Name: Prime-Tek TPO II Primer

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: Solvent based roofing primer

2. Hazards Identification:

GHS Ratings:

Flammable liquid	2	Flash point < 23°C and initial boiling point > 35°C (95°F)
Skin corrosive	2	Reversible adverse effects in dermal tissue, Draize score: >= 2.3 < 4.0 or persistent inflammation
Eye corrosive	2A	Eye irritant: Subcategory 2A, Reversible in 21 days
Organ toxin single exposure	3	Transient target organ effects- Narcotic effects- Respiratory tract irritation

GHS Hazards

H225	Highly flammable liquid and vapor
H315	Causes skin irritation
H319	Causes serious eye irritation
H335	May cause respiratory irritation
H336	May cause drowsiness or dizziness

GHS Precautions

P210	Keep away from heat/sparks/open flames/hot surfaces – No smoking
P233	Keep container tightly closed
P240	Ground/bond container and receiving equipment
P241	Use explosion-proof equipment when handling
P242	Use only non-sparking tools
P243	Take precautionary measures against static discharge
P261	Avoid breathing dust/fume/gas/mist/vapors/spray
P264	Wash hands thoroughly after handling
P271	Use only outdoors or in a well-ventilated area
P280	Wear protective gloves/protective clothing/eye protection/face protection
P312	Call a POISON CENTER or doctor/physician if you feel unwell
P321	Specific treatment is urgent (see Section 4 First Aid measures)
P362	Take off contaminated clothing and wash before reuse
P302+P352	IF ON SKIN: Wash with soap and water
P303+P361+P353	IF ON SKIN (or hair): Remove/Take off immediately all contaminated clothing. Rinse skin with water/shower

P304+P340	IF INHALED: Remove victim to fresh air and keep at rest in a position comfortable for breathing
P305+P351+P338	IF IN EYES: Rinse continuously with water for several minutes. Remove contact lenses if present and easy to do – continue rinsing
P332+P313	If skin irritation occurs: Get medical advice/attention
P337+P313	Get medical advice/attention
P370+P378	In case of fire: See Section 5 for extinguishing measures
P405	Store locked up
P403+P233	Store in a well ventilated place. Keep container tightly closed
P403+P235	Store in a well ventilated place. Keep cool
P501	Dispose of contents/container in accordance with existing federal, state, and local environmental control laws.

Signal Word: Danger



Acute Toxicity:

Eyes: Severe irritant, may cause possible damage to cornea.

Skin: May cause irritation, redness, swelling, and blistering.

Inhalation: Mucous membrane and respiratory tract irritant, tightness of chest, headache, shortness of breath, and asthma like symptoms.

Ingestion: Gastrointestinal irritation, nausea, diarrhea, central nervous system depression.

Conditions Aggravated by Exposure: Skin disorders, respiratory disorders, and eye disorders.

Chronic Effects: Reports have associated repeated and prolonged occupational exposure to solvents with permanent brain and nervous system damage.

3. Composition/Data on Components:

Chemical Name	CAS number	Weight Concentration %
Benzene, 1-chloro-4-(trifluoromethyl)-	98-56-6	70.00% - 80.00%
Acetone	67-64-1	10.00% - 20.00%

4. First Aid Measures:

After Inhalation: If person experiences nausea, headache, or dizziness, person should stop work immediately and move to fresh air until symptoms disappear.

If breathing is difficult, administer oxygen and call physician.

If person is unconscious move to fresh air and call physician immediately.

If breathing has stopped, administer artificial respiration and call physician immediately.

After Eye Contact: Severe eye irritant. Rinse opened eye for at least 15 minutes under running water.

Remove contact lenses if present and easy to do so, and continue rinsing.

Call a physician at once.

After Skin Contact: May cause drying of skin resulting in skin irritation and dermatitis.

Clean affected area with soap and plenty of water.

After Swallowing: Ingestion may cause gastrointestinal irritation, nausea, vomiting and diarrhea. May be harmful if swallowed. Do not induce vomiting. Contact the nearest poison control center and follow the directions they provide.

Notes to Physician: Treat symptomatically. May cause cardiac arrhythmias. Aspiration hazard.

5. Fire Fighting Measures:

Flash Point: -15 C (5 F)

LEL: N/A

UEL: N/A

Upper and lower explosive limits listed if known.

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

Information about Protection against Explosions and Fires: Closed containers may rupture when exposed to extreme heat. If exposed to fire, keep containers cool by spraying with water. Vapors may form explosive mixtures with air. Vapors may travel considerable distance to a source of ignition and flash back. During fire, gases hazardous to health may be formed.

Dangerous Products of Decomposition: Oxides of carbon, hydrocarbons, chlorine compounds, fluorine compounds.

Protective Equipment: Full emergency equipment with self-contained breathing apparatus and full protective clothing should be worn by firefighters.

6. Accidental Release Measures:

Person-Related Safety Precautions: Evacuate all non-essential personnel. Remove all sources of ignition. Use only non-sparking tools.

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

Small Spills: Absorb with earth, sand or other absorbent material and transfer to containers for later disposal. Wipe up with absorbent material (e.g. cloth, fleece) clean surface thoroughly to remove residual contamination.

Large Spills: Stop the flow of material, if this is without risk. Dike the spilled material, where this is possible. Use an absorbent material like vermiculite, sand or earth to soak up the product and place into a container for later disposal.

7. Handling and Storage:

Information for Safe Handling: Keep containers tightly closed. Do not breathe fumes or vapors. Use grounded or spark resistant tools and equipment.

Information about Protection against Explosions and Fires: Closed containers may explode when exposed to extreme heat. Avoid electrical (static) discharge. Do not store above 100°F.

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
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Benzene, 1-chloro-4-(trifluoromethyl)- 98-56-6	Not Established	Not Established	Not Established
Acetone 67-64-1	1000 ppm; 2400 mg/m3 PEL	250 ppm TWA 500 ppm STEL	NIOSH: 250 ppm TWA; 590 mg/m3 TWA

Engineering Controls: Explosion proof general. Use local exhaust ventilation to maintain airborne concentrations below the TLV. Use only in a well ventilated area to keep vapors below exposure limits. Use local exhaust ventilation if necessary.

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

Personal Protective Equipment:

Respiratory Protection: Do not inhale vapors. Use NIOSH approved respiratory protection if TLV/PEL is exceeded. Do not enter storage area unless adequately ventilated.

Hand Protection: Protective chemical resistant gloves.

Eye Protection: Face shield with safety glasses.

Body Protection: Protective non-flammable cotton 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.

<p>Appearance: Red liquid</p> <p>Vapor Pressure: N/A</p> <p>Vapor Density: 2-6</p> <p>Specific Gravity >1.00</p> <p>Freezing point: N/A</p> <p>Boiling range: 162°F</p> <p>Evaporation rate: N/A</p> <p>Explosive Limits: N/A</p> <p>Autoignition temperature: 465°C</p>	<p>Odor: Solvent odor</p> <p>Odor threshold: N/A</p> <p>pH: N/A</p> <p>Melting point: N/A</p> <p>Solubility: N/A</p> <p>Flash point: 5°F, -15°C</p> <p>Flammability: N/A</p> <p>Partition coefficient N/A (n-octanol/water):</p> <p>Decomposition temperature: N/A</p>
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10. Stability and Reactivity:

Incompatible Materials: Avoid contact combustible materials, strong acids, bases, reducing agents, oxidizing agents, and peroxides.

Hazardous Polymerization: Not expected to occur.

Dangerous Products of Decomposition: Oxides of carbon, hydrocarbons, chlorine compounds, fluorine compounds.

11. Toxicological Information:

Mixture Toxicity

Dermal Toxicity LD50: 2,532mg/kg

Inhalation Toxicity LC50: 36mg/L

Component Toxicity

98-56-6

Benzene, 1-chloro-4-(trifluoromethyl)-

Dermal LD50: 2,000 mg/kg (Rabbit) Inhalation LC50: 33 mg/L (Rat)

Toxicity Values Listed if Known

Acute Toxicity:

Eyes: Severe irritant, may cause possible damage to cornea.

Skin: May cause irritation, redness, swelling, and blistering.

Inhalation: Mucous membrane and respiratory tract irritant, tightness of chest, headache, shortness of breath, and asthma like symptoms.

Ingestion: Gastrointestinal irritation, nausea, diarrhea, central nervous system depression.

Chronic Effects:

Reports have associated repeated and prolonged occupational exposure to solvents with permanent brain and nervous system damage.

Conditions Aggravated by Exposure: Skin disorders, respiratory disorders, and eye disorders.

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

Target Organs: Respiratory tract, digestive tract, eyes, skin, central nervous system

Chemicals with Known or Possible Carcinogenic Effects:

CAS Number

Description

% Weight

Carcinogen Rating

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

Benzene,

1-chloro-4-(trifluoromethyl)-

48 Hr EC50 Daphnia magna: 3.68 mg/L

96 Hr LC50 Lepomis macrochirus: 5.6 mg/L

Acetone

96 Hr LC50 Oncorhynchus mykiss: 4.74 - 6.33 mL/L; 96 Hr LC50 Pimephales promelas: 6210 - 8120 mg/L [static]; 96 Hr LC50 Lepomis macrochirus: 8300 mg/L
48 Hr EC50 Daphnia magna: 10294 - 17704 mg/L [Static]; 48 Hr EC50 Daphnia magna: 12600 - 12700 mg/L

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:

Flammable liquid, N.O.S.
Reportable Quantity: No minimum threshold.

Material ships as follows:

<u>Agency</u>	<u>Proper Shipping Name</u>	<u>UN Number</u>	<u>Packing Group</u>	<u>Hazard Class</u>
DOT	Flammable Liquid N.O.S. (contains Acetone, Parachlorobenzo-trifluoride)	1993	II	3
ICAO/IATA	Flammable Liquid N.O.S. (contains Acetone, Parachlorobenzo-trifluoride)	1993	II	3
IMDG	Flammable Liquid N.O.S. (contains Acetone, Parachlorobenzo-trifluoride)	1993	II	3

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, fire 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

Benzene, 1-chloro-4-(trifluoromethyl)- 98-56-6 70 to 80 % CARC

Massachusetts Right To Know List:

Acetone 67-64-1 10 to 20 %

New Jersey Right To Know List:

Acetone 67-64-1 10 to 20 %
Benzene, 1-chloro-4-(trifluoromethyl)- 98-56-6 70 to 80 %

Pennsylvania Right To Know List:

Acetone 67-64-1 10 to 20 %

<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.

Date revised: 02/05/2020

Reviewer Revision 0

Date Prepared: 02/05/2020