

(Material) Safety Data Sheet



Section 1 - Product and Company Identification

- Material Name** ▪ **FortiCel / FortiCel Crawlspace**
- Product Code** ▪ CT-10169-1 (Forticel & Forticel Crawlspace)
- Product Description** ▪ FortiCel is a blue liquid with a characteristic ammonia odor.
- FortiCel Crawlspace is a white liquid with a characteristic ammonia odor..
- Manufacturer** ▪ CertainTeed Corporation
750 E. Swedesford Road
P.O. Box 860 Valley Forge, PA 19482 -0105
United States
www.certainteed.com
CertainTeed - EHS@saint-gobain.com
- Telephone**
- Technical** ▪ (610) 341-7000 - 9 AM – 5 PM (Eastern Time – USA)
- Emergency** ▪ (800) 424-9300 - Chemtrec
- Emergency** ▪ (703) 527-3887 - Outside of the U.S. Chemtrec
- Preparation Date** ▪ 3/22/2011
- Last Revision Date** ▪ 4/18/2011

Key to abbreviations
‡ = HMIS is a registered trademark of the American Coatings Association

Section 2 - Hazards Identification

Emergency Overview

Prevention Do not breathe dust, fume, gas, mist, vapours and/or spray.

Storage/Disposal Dispose of content and/or container in accordance with local, regional, national, and/or international regulations.

- Physical Form** ▪ Liquid
- Color** ▪ Blue (FortiCel) or White (FortiCel Crawlspace)
- Odor** ▪ Ammonia
- OSHA** ▪ None
- WHMIS** ▪ None
- EU** ▪ None
- GHS** ▪ None

Potential Health Effects

Inhalation

- Acute (Immediate)** ▪ Inhalation of spray or mist may cause nasal, throat or lung irritation.
- Chronic (Delayed)** ▪ No data available.

- Skin**
- Acute (Immediate)** ▪ Prolonged or repeated exposure may cause slight irritation.
 - Chronic (Delayed)** ▪ No data available.

- Eye**
- Acute (Immediate)** ▪ May cause irritation.
 - Chronic (Delayed)** ▪ No data available.

- Ingestion**
- Acute (Immediate)** ▪ May cause gastric distress, vomiting and diarrhea.
 - Chronic (Delayed)** ▪ No data available.

See Section 12 for Ecological Information.

Section 3 - Composition/Information on Ingredients

- Composition/Information on Ingredients** ▪ No hazardous ingredients present at or above regulatory indicated thresholds.

Under United States Regulations (29 CFR 1900.1200 - Hazard Communication Standard) this product does not meet the criteria of a hazardous chemical. In Canada, the product mentioned above does not meet the criteria to be considered hazardous under the Workplace Hazardous Materials Information System (WHMIS). According to the Globally Harmonized Standard for Classification and Labeling (GHS) this product does not meet the criteria necessary to be considered hazardous.

See Section 11 for Toxicological Information.

Section 4 - First Aid Measures

- Inhalation** ▪ Administer oxygen if breathing is difficult. Give artificial respiration if victim is not breathing. Move victim to fresh air.
- Skin** ▪ Remove contaminated clothing and wash exposed skin with soap and water. If irritation develops or persists, seek medical attention. Wash contaminated clothing before reuse.
- Eye** ▪ In case of contact with substance, immediately flush eyes with running water for at least 20 minutes.
- Ingestion** ▪ If ingested, give 2 glasses of water for dilution. Do NOT induce vomiting. Never give anything by mouth to an unconscious person. Seek medical attention.

See Section 2 for Potential Health Effects.

Section 5 - Fire Fighting Measures

- Extinguishing Media** ▪ Carbon dioxide, water, water fog, dry chemical, chemical foam.
- Unsuitable Extinguishing Media** ▪ No data available.
- Firefighting Procedures** ▪ Cool fire exposed containers with water to prevent rupture due to steam buildup. Floor will become slippery if material is released.
- Unusual Fire and Explosion Hazards** ▪ Some may burn but none ignite readily.
- Hazardous Combustion Products** ▪ Smoke, fumes or vapors, oxides of carbon.
- Protection of Firefighters** ▪ Structural firefighters' protective clothing will only provide limited protection. Wear positive pressure self-contained breathing apparatus (SCBA).

Section 6 - Accidental Release Measures

- Personal Precautions** ▪ Do not touch or walk through spilled material. Stay upwind.

Emergency Procedures

- As an immediate precautionary measure, isolate spill or leak area for at least 50 meters (150 feet) in all directions. Ventilate closed spaces before entering. Keep out of low areas. Keep unauthorized personnel away.

Environmental Precautions Containment/Clean-up Measures

- Runoff from fire control may cause pollution.
- Stop leak if you can do it without risk.
Wash small spills to sanitary sewer. LARGE SPILLS: Dike for later disposal and cover with wet sand or earth.

Section 7 - Handling and Storage

Handling Storage

- Avoid inhalation of vapor or mist. Use good safety and industrial hygiene practices.
- Store in a cool, dry, well ventilated area. Keep container closed when not in use. Protect from extreme temperatures.

Special Packaging Materials Incompatible Materials or Ignition Sources

- No data available
- Strong oxidizing agents and strong acids.

Section 8 - Exposure Controls/Personal Protection

Personal Protective Equipment



Pictograms Respiratory Eye/Face Hands

- In case of insufficient ventilation, wear suitable respiratory equipment.
- Wear protective eyewear (goggles, face shield, or safety glasses).
- Wear appropriate gloves.

General Industrial Hygiene Considerations

- Do not get in eyes or on skin or clothing. Handle in accordance with good industrial hygiene and safety practice.

Engineering Measures/Controls

- Use local exhaust ventilation to maintain airborne concentrations below the TLV. Suitable respiratory equipment should be used in cases of insufficient ventilation or where operational procedures demand it.

Exposure Limits/Guidelines

- No information available for product or components.

Section 9 - Physical and Chemical Properties

Physical Form

- Liquid

Appearance/Description

- Blue or white liquid with ammonia odor.

Color : Blue (FortiCel) White (FortiCel Crawspace)		Odor : Ammonia	
Taste : NDA		Odor Threshold : NDA	
Boiling Point:	212 F(100 C)	Vapor Pressure:	NDA
Melting Point:	32 F(0 C)	Vapor Density:	< 1 Air=1
Specific Gravity:	1 to 1.06	Evaporation Rate:	< 1 Water = 1
Density:	8.345 to 8.8457 lbs/gal	VOC (Wt.):	NDA
Bulk Density:	NDA	VOC (Vol.):	NDA
pH:	8.7 – 9.1	Volatiles (Wt.):	NDA
Water Solubility:	Soluble	Volatiles (Vol.):	NDA
Solvent Solubility:	NDA	Flash Point:	NDA
Viscosity:	NDA	Flash Point Test Type:	NDA
Half-Life:	NDA	UEL:	NDA
Octanol/Water Partition coefficient:	NDA	LEL:	NDA

Coefficient of water/oil distribution:	NDA	Autoignition:	NDA
Bioaccumulation Factor:	NDA	Bioconcentration Factor:	NDA
Biochemical Oxygen Demand BOD/BOD5:	NDA	Chemical Oxygen Demand:	NDA
Persistence:	NDA	Degradation:	NDA

Section 10 - Stability and Reactivity

- | | |
|---|--|
| Stability | ▪ Stable |
| Hazardous Polymerization Conditions to Avoid | ▪ Hazardous polymerization will not occur. |
| Incompatible Materials | ▪ Extreme temperatures. |
| Hazardous Decomposition Products | ▪ Strong acids and strong oxidizing agents. |
| | ▪ In case of a fire, oxides of carbon, hydrocarbons, fumes or vapors, and smoke may be produced. |

Section 11 - Toxicological Information

Toxicological information is not available for the material as a whole, but is provided for applicable components.

Component Name	Concentration	CAS	Data
Ammonium hydroxide ((NH4)(OH))	< 0.04%	1336-21-6	Acute Toxicity: orl-rat: LD50:350 mg/kg; ihl- hmn TClO:408 ppm; Irritation: eye-rbt: 44 ug SEV

Key to abbreviations

TC = Toxic Concentration SEV = Severe
LD = Lethal Dose LC = Lethal Concentration
TD = Toxic Dose

Section 12 - Ecological Information

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|----------------------------------|----------------------|
| Ecological Fate | ▪ No data available. |
| Persistence/Degradability | ▪ No data available. |
| Bioaccumulation Potential | ▪ No data available. |
| Mobility in Soil | ▪ No data available. |

No ecotoxicity data is available for the product as a whole. Data for applicable components is provided above.

Section 13 - Disposal Considerations

- | | |
|----------------|---|
| Product | ▪ Dispose of content and/or container in accordance with local, regional, national, and/or international regulations. |
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Section 14 - Transportation Information

DOT - United States - Department of Transportation

Shipping Name: Not Regulated

TDG - Canada - Transport of Dangerous Goods

Shipping Name: Not Regulated

Section 15 - Regulatory Information

SARA Hazard Classifications ▪ None

State Right To Know				
Component	CAS	MA	NJ	PA
Ammonium hydroxide ((NH4)(OH))	1336-21-6	Yes	Yes	Yes

Inventory				
Component	CAS	Canada DSL	Canada NDSL	TSCA
Ammonium hydroxide ((NH4)(OH))	1336-21-6	Yes	No	Yes

Canada

Labor

Canada - WHMIS - Classifications of Substances

- Ammonium hydroxide ((NH4)(OH)) 1336-21-6 < 0.04% E

Canada - WHMIS - Ingredient Disclosure List

- Ammonium hydroxide ((NH4)(OH)) 1336-21-6 < 0.04% 1 %

United States

Environment

U.S. - CERCLA/SARA - Hazardous Substances and their Reportable Quantities

- Ammonium hydroxide ((NH4)(OH)) 1336-21-6 < 0.04% 1000 lb final RQ; 454 kg final RQ

Section 16 - Other Information

- Preparation Date** ▪ 3/22/2011
- Last Revision Date** ▪ 4/18/2011
- Disclaimer/Statement of Liability** ▪ Reasonable care has been taken in the preparation of this information, but the supplier gives no warranty of merchantability or of fitness for a particular purpose. Any product purchased is sold on the assumption the purchaser will make his own tests to determine the quality and suitability of the product. Supplier expressly disclaims any and all liability for incidental and/or consequential property damage arising out of the use of this product. No information provided shall be deemed to be a recommendation to use any product in conflict with any existing patent rights. Read the Material Safety Data Sheet before handling product.

Key to abbreviations
NDA = No Data Available