

Safety Data Sheet

Section 1: Identification

Product identifier

- Product Name** • **CertaSpray Closed Cell Winter – CT10154-2**
- Product Code** • Product Lit. Code: 30-50-054

Relevant identified uses of the substance or mixture and uses advised against

- Recommended use** • Component of a polyurethane system

Details of the supplier of the safety data sheet

- Manufacturer** • CertainTeed Corporation
750 E. Swedesford Road
P.O. Box 860 Valley Forge, PA 19482-0105
United States
www.certainteed.com
Building.Solutions@saint-gobain.com

Telephone (General) 610-341-7000

Telephone (Technical) (610) 341-7000

Emergency telephone number

- Manufacturer** • (800) 424-9300

Section 2: Hazard Identification

United States (US)

According to OSHA 29 CFR 1910.1200 HCS

Classification of the substance or mixture

- OSHA HCS 2012** • Skin Corrosion 1 - H314
Skin Sensitization 1 - H317
Serious Eye Damage 1 - H318
Specific Target Organ Toxicity Single Exposure 1 - H370

Label elements

OSHA HCS 2012

DANGER



Hazard statements

Causes severe skin burns and eye damage. - H314
May cause an allergic skin reaction - H317
Causes serious eye damage - H318
Causes damage to organs. - H370

Precautionary statements

- Prevention** Do not breathe mists, vapours, and/or spray. - P260
Wash thoroughly after handling. - P264
Do not eat, drink or smoke when using this product. - P270
Contaminated work clothing should not be allowed out of the workplace. - P272
Wear protective gloves, clothing, and eye/face protection, . - P280
- Response** IF INHALED: Remove victim to fresh air and keep at rest in a position comfortable for breathing. - P304+P340
Immediately call a POISON CENTER or doctor/physician. - P310
If on skin: Wash with plenty of water .
Wash contaminated clothing before reuse. - P363
Specific treatment, see supplemental first aid information. - P321
If skin irritation or rash occurs: Get medical advice/attention. - P333+P313
IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. - P305+P351+P338
IF SWALLOWED: Rinse mouth. Do NOT induce vomiting. - P301+P330+P331
IF exposed: Call POISON CENTER or doctor/physician. - P307+P311
- Storage/Disposal** Store locked up. - P405
Dispose of content and/or container in accordance with local, regional, national, and/or international regulations. - P501

Other hazards

- OSHA HCS 2012**
- Under United States Regulations (29 CFR 1910.1200 - Hazard Communication Standard), this product is considered hazardous.

Canada

According to WHMIS

Classification of the substance or mixture

- WHMIS**
- Toxic - D1B
Other Toxic Effects - D2B
Corrosive - E

Label elements

WHMIS



- Toxic - D1B
Other Toxic Effects - D2B
Corrosive - E

Other hazards

WHMIS

- In Canada, the product mentioned above is considered Hazardous under the Workplace Hazardous Materials Information System (WHMIS).

Section 3 - Composition/Information on Ingredients

Substances

- Material does not meet the criteria of a substance.

Mixtures

Composition					
Chemical Name	Identifiers	%	LD50/LC50	Classifications According to Regulation/Directive	Comments
Polyester Polyol	Proprietary	7% TO 13%	NDA	OSHA HCS 2012: Skin Sens. 1	NDA
Fire retardant	Proprietary	7% TO 13%	NDA	OSHA HCS 2012: Acute Tox. 4 (orl); Eye Irrit. 2	NDA
Blowing agents	Proprietary	7% TO 13%	NDA	OSHA HCS 2012: Not Classified	NDA
Tertiary amine catalyst	Proprietary	3% TO 7%	NDA	OSHA HCS 2012: Acute Tox. 4 (orl); Skin Corr. 1; Eye Dam. 1	NDA
Diethylene glycol	CAS:111-46-6	1% TO 3%	Ingestion/Oral-Rat LD50 • >23500 mg/kg Skin-Rabbit LD50 • 12500 mg/kg Inhalation-Rat LC50 • >5.08 mg/L 4 Hour(s)	OSHA HCS 2012: Eye Irrit. 2; STOT SE 1 (Kidney); STOT SE 3: Narc.	NDA

Section 4: First-Aid Measures

Description of first aid measures

- Inhalation**
- Remove to fresh air. If breathing is difficult, give oxygen. If not breathing, give artificial respiration. Call a physician or poison control center.
- Skin**
- Rinse skin immediately with plenty of water for 15-20 minutes. Take off contaminated clothing. Wash contaminated clothing before reuse. Call a physician or poison control center.
- Eye**
- Flush eyes with water for at least 15 minutes while holding eyelids open. If easy to do, remove contact lenses, if worn. Call a physician or poison control center.
- Ingestion**
- Rinse mouth. Do not give anything by mouth to an unconscious person. Do not induce vomiting unless directed to do so by medical personnel. Get medical attention immediately.

Most important symptoms and effects, both acute and delayed

- Refer to Section 11 - Toxicological Information.

Indication of any immediate medical attention and special treatment needed

- Notes to Physician**
- Adrenalin and similar sympathomimetic drugs should be avoided following exposure as cardiac arrhythmia may result with possible subsequent cardiac arrest. Symptomatic treatment and supportive therapy as indicated. Following severe exposure the patient should be kept under medical review for at least 48 hours as delayed pulmonary edema may develop. Symptomatic and supportive therapy as needed. Following severe exposure medical follow-up should be monitored for at least 48 hours.

Section 5: Fire-Fighting Measures

Extinguishing media

Suitable Extinguishing Media In case of fire use media as appropriate for surrounding fire.

Unsuitable Extinguishing Media

- Solid water stream.

Special hazards arising from the substance or mixture

- Unusual Fire and Explosion Hazards**
- Do not expose to high temperatures or open flames. Containers may explode when heated. Runoff from fire control or dilution water may cause pollution.
- Hazardous Combustion Products**
- Decomposition products may include the following materials: carbon dioxide, Carbon monoxide, nitrogen oxides, phosphorus oxides, halogenated compounds.
- Advice for firefighters**
- Fire-fighters should wear appropriate protective equipment and self-contained breathing apparatus (SCBA) with a full face-piece operated in positive pressure mode. Dike fire-control water for later disposal; do not scatter the material.

Section 6 - Accidental Release Measures

Personal precautions, protective equipment and emergency procedures

- Personal Precautions**
- Ventilate enclosed areas. Do not walk through spilled material. Wear appropriate respirator when ventilation is inadequate. Put on appropriate personal protective equipment. Do not touch damaged containers or spilled material unless wearing appropriate protective clothing. Do not breathe mist, vapors, or spray. Do not get in eyes, on skin, or on clothing.
- Emergency Procedures**
- Eliminate all ignition sources. Stop leak if you can do it without risk. 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. Stay upwind. Keep unauthorized personnel away. Keep out of low areas.

Environmental precautions

- Do not allow material or runoff to contact soil or enter waterways, drains and sewers. Water polluting material. May be harmful to the environment if released in large quantities. Inform the relevant authorities if the product has caused environmental pollution (sewers, waterways, soil, or air).

Methods and material for containment and cleaning up

- Containment/Clean-up Measures**
- Stop leak if you can do it without risk. Move containers from spill area. Do not flush to sewer or allow to enter waterways. Contain and/or absorb spill with inert material (e.g. sand, vermiculite), then place in suitable container. Contaminated absorbent material may exhibit the same hazard(s) as the spilled product.

Section 7 - Handling and Storage

Precautions for safe handling

- Handling**
- Use only with adequate ventilation. Wear appropriate respirator when ventilation is inadequate. Wear appropriate personal protective equipment, avoid direct contact. Do not breathe mist, vapors, or spray. Do not get in eyes, on skin, or on clothing. Do not ingest. Keep in the original container or an approved alternative made from a compatible material, kept tightly closed when not in use. Empty containers retain product residue and can be hazardous. Do not reuse container. Eating, drinking and smoking should be prohibited in areas where this material is handled, stored and processed. Wash thoroughly with soap and water after handling and before eating, drinking, or using tobacco.

Conditions for safe storage, including any incompatibilities

- Storage**
- Keep container tightly closed. Keep only in the original container. Store in a cool, dry, well-ventilated place. Store between the following temperatures: 12.78 to 26.67°C (55 to 80°F). Keep away from incompatible materials. Containers that have been opened must be carefully resealed and kept upright to prevent leakage.

Section 8 - Exposure Controls/Personal Protection

Control parameters

- Exposure Limits/Guidelines** • No applicable exposure limits available for product or components.

Exposure controls

- Engineering Measures/Controls** • Good general ventilation should be used. Ventilation rates should be matched to conditions. If applicable, use process enclosures, local exhaust ventilation, or other engineering controls to maintain airborne levels below recommended exposure limits. If exposure limits have not been established, maintain airborne levels to an acceptable level.

Personal Protective Equipment

- Respiratory** • When spraying/applying this product, approved MSHA/NIOSH positive-pressure, supplied air respiratory protection may be required depending on the adequacy of ventilation to maintain exposures below applicable exposure control limits. MSHA/NIOSH approved, air purifying respirators with organic vapor and HEPA (P100) cartridges, may be used for non-sensitized individuals when a cartridge change out schedule is in place in accordance with the OSHA Respiratory Protection Standard (29CFR 1910.134).
- Eye/Face** • Wear splash goggles.
- Hands** • Chemical-resistant, impervious gloves should be worn at all times when handling this product.
- Skin/Body** • Wear chemical resistant apron or full body suit.

- Environmental Exposure Controls** • Avoid release to the environment. Controls should be engineered to prevent release to the environment, including procedures to prevent spills, atmospheric release and release to waterways. Emissions from ventilation or work process equipment should be checked to ensure they comply with the requirements of environmental protection legislation. In some cases, fume scrubbers, filters or engineering modifications to the process equipment will be necessary to reduce emissions to acceptable levels.

Section 9 - Physical and Chemical Properties

Information on Physical and Chemical Properties

Material Description			
Physical Form	Liquid	Appearance/Description	Liquid
Color	No data available.	Odor	No data available.
Odor Threshold	No data available		
General Properties			
Boiling Point	No data available	Melting Point	No data available
Decomposition Temperature	No data available	pH	No data available
Specific Gravity/Relative Density	1.2 Water=1	Water Solubility	No data available
Viscosity	580 Centipoise (cPs, cP) or mPas		
Volatility			
Vapor Pressure	No data available	Vapor Density	No data available
Evaporation Rate	No data available		
Flammability			
Flash Point	230 F(110 C) STCC (Seta Test/Seta Flash Closed Cup)	UEL	No data available
LEL	No data available	Autoignition	No data available
Flammability (solid, gas)	No data available		
Environmental			

Octanol/Water Partition coefficient	No data available		
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Section 10: Stability and Reactivity

Reactivity

- No dangerous reaction known under conditions of normal use.

Chemical stability

- Stable under normal conditions of use.

Possibility of hazardous reactions

- Under normal conditions of storage and use, hazardous polymerization will not occur.

Conditions to avoid

- None specified.

Incompatible materials

- No data available.

Hazardous decomposition products

- Under normal conditions of storage and use, hazardous decomposition products should not be produced.

Section 11 - Toxicological Information

Information on toxicological effects

Components		
Diethylene glycol (1% TO 3%)	111-46-6	Acute Toxicity: Ingestion/Oral-Rat TDLo • 16000 mg/kg; <i>Kidney, Ureter, and Bladder</i> : Renal function tests depressed ; <i>Nutritional and Gross Metabolic:Changes in Chemistry or Temperature</i> : Metabolic acidosis ; Tumorigen / Carcinogen: Ingestion/Oral-Mouse TDLo • 420 mg/kg 22 Week(s)-Intermittent; <i>Tumorigenic:Neoplastic by RTECS criteria; Blood:Tumors</i>

GHS Properties	Classification
Acute toxicity	OSHA HCS 2012 • No data available
Aspiration Hazard	OSHA HCS 2012 • No data available
Carcinogenicity	OSHA HCS 2012 • No data available
Germ Cell Mutagenicity	OSHA HCS 2012 • No data available
Skin corrosion/Irritation	OSHA HCS 2012 • Skin Corrosion 1
Skin sensitization	OSHA HCS 2012 • Skin Sensitizer 1
STOT-RE	OSHA HCS 2012 • No data available
STOT-SE	OSHA HCS 2012 • Specific Target Organ Toxicity Single Exposure 1
Toxicity for Reproduction	OSHA HCS 2012 • No data available
Respiratory sensitization	OSHA HCS 2012 • No data available
Serious eye damage/Irritation	OSHA HCS 2012 • Serious Eye Damage 1

Potential Health Effects

Inhalation

- Acute (Immediate)** • May cause corrosive burns - irreversible damage.
- Chronic (Delayed)** • No data available

Skin

- Acute (Immediate)** • Causes severe skin burns. May cause skin sensitization. Symptoms include redness, and skin rash.
- Chronic (Delayed)** • No data available

Eye

- Acute (Immediate)** • Causes serious eye damage. Amine catalysts are alkaline in nature and their vapors are irritating to the eyes, even at low air concentrations. Such concentrations can cause corneal swelling without pain manifested by visual disturbances such as blurred or “foggy” vision with a blue tint (“blue haze”) and sometimes a halo phenomenon around lights. These symptoms are transient and upon cessation of exposure, usually disappear within hours, or longer depending on the duration and extent of exposure. Exposure to higher vapor concentration or direct contact with the liquid amine may cause severe irritation and tissue injury, with symptoms like burning, discomfort, involuntary closing of the eyelids, redness, and tearing. Contact with droplets or mists of amine catalysts may result in mechanical irritation, pain, and permanent corneal injury.
- Chronic (Delayed)** • No data available

Ingestion

- Acute (Immediate)** • May cause irreversible damage to mucous membranes.
- Chronic (Delayed)** • No data available

Other

- Acute (Immediate)** • Contains material which causes damage to the following organs: trachea. Contains material which may cause damage to the following organs: kidneys, the nervous system, liver, heart, bladder, eyes, central nervous system (CNS).

Key to abbreviations

TD = Toxic Dose

Section 12 - Ecological Information**Toxicity**

- Material data lacking.

Persistence and degradability

- Material data lacking.

Bioaccumulative potential

- Material data lacking.

Mobility in Soil

- Material data lacking.

Other adverse effects

- No known significant effects or critical hazards.

Section 13 - Disposal Considerations**Waste treatment methods**

- Product waste** • Dispose of content and/or container in accordance with local, regional, national, and/or international regulations.
- Packaging waste** • Empty containers or liners may retain some product residues. This material and its container must be disposed of in a safe way.

Section 14 - Transport Information

	UN number	UN proper shipping name	Transport hazard class (es)	Packing group	Environmental hazards
DOT	NDA	Not Regulated	NDA	NDA	NDA
TDG	NDA	Not Regulated	NDA	NDA	NDA
IMO/IMDG	NDA	Not Regulated	NDA	NDA	NDA
IATA/ICAO	NDA	Not Regulated	NDA	NDA	NDA

Special precautions for user • None specified.

Transport in bulk according to Annex II of MARPOL 73/78 and the IBC Code • No data available

Section 15 - Regulatory Information

Safety, health and environmental regulations/legislation specific for the substance or mixture

SARA Hazard Classifications • Acute

State Right To Know		
Component	CAS	PA
Diethylene glycol	111-46-6	Yes

Inventory				
Component	CAS	Canada DSL	Canada NDSL	TSCA
Diethylene glycol	111-46-6	Yes	No	Yes

Canada

Labor

Canada - WHMIS - Classifications of Substances

- | | | |
|---------------------|----------|-----|
| • Diethylene glycol | 111-46-6 | D1B |
|---------------------|----------|-----|

Canada - WHMIS - Ingredient Disclosure List

- | | | |
|---------------------|----------|------------|
| • Diethylene glycol | 111-46-6 | Not Listed |
|---------------------|----------|------------|

Environment

Canada - CEPA - Priority Substances List

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|---------------------|----------|------------|
| • Diethylene glycol | 111-46-6 | Not Listed |
|---------------------|----------|------------|

United States

Labor

U.S. - OSHA - Process Safety Management - Highly Hazardous Chemicals

- | | | |
|---------------------|----------|------------|
| • Diethylene glycol | 111-46-6 | Not Listed |
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U.S. - OSHA - Specifically Regulated Chemicals

• Diethylene glycol	111-46-6	Not Listed
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Environment**U.S. - CAA (Clean Air Act) - 1990 Hazardous Air Pollutants**

• Diethylene glycol	111-46-6	Not Listed
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U.S. - CERCLA/SARA - Hazardous Substances and their Reportable Quantities

• Diethylene glycol	111-46-6	Not Listed
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U.S. - CERCLA/SARA - Radionuclides and Their Reportable Quantities

• Diethylene glycol	111-46-6	Not Listed
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U.S. - CERCLA/SARA - Section 302 Extremely Hazardous Substances EPCRA RQs

• Diethylene glycol	111-46-6	Not Listed
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U.S. - CERCLA/SARA - Section 302 Extremely Hazardous Substances TPQs

• Diethylene glycol	111-46-6	Not Listed
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U.S. - CERCLA/SARA - Section 313 - Emission Reporting

• Diethylene glycol	111-46-6	Not Listed
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U.S. - CERCLA/SARA - Section 313 - PBT Chemical Listing

• Diethylene glycol	111-46-6	Not Listed
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United States - California**Environment****U.S. - California - Proposition 65 - Carcinogens List**

• Diethylene glycol	111-46-6	Not Listed
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U.S. - California - Proposition 65 - Developmental Toxicity

• Diethylene glycol	111-46-6	Not Listed
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U.S. - California - Proposition 65 - Maximum Allowable Dose Levels (MADL)

• Diethylene glycol	111-46-6	Not Listed
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U.S. - California - Proposition 65 - No Significant Risk Levels (NSRL)

• Diethylene glycol	111-46-6	Not Listed
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U.S. - California - Proposition 65 - Reproductive Toxicity - Female

• Diethylene glycol	111-46-6	Not Listed
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U.S. - California - Proposition 65 - Reproductive Toxicity - Male

• Diethylene glycol	111-46-6	Not Listed
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United States - Pennsylvania**Labor****U.S. - Pennsylvania - RTK (Right to Know) - Environmental Hazard List**

• Diethylene glycol	111-46-6	Not Listed
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U.S. - Pennsylvania - RTK (Right to Know) - Special Hazardous Substances

• Diethylene glycol	111-46-6	Not Listed
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Other Information

- **WARNING:** This product contains a chemical known to the State of California to cause cancer and birth defects or other reproductive harm.
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Section 16 - Other Information

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| Last Revision Date | <ul style="list-style-type: none">• 24/November/2014 |
| Preparation Date | <ul style="list-style-type: none">• 24/November/2014 |
| Disclaimer/Statement of Liability | <ul style="list-style-type: none">• 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
