

Safety Data Sheet

Firestone Building Products Company

Section 1: Identification of the Substance/Mixture and of the Company/Undertaking

1.1 Product identifier

Product Name • UltraFlash™ LVOC Primer

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

Relevant identified use(s) • Construction

1.3 Details of the supplier of the safety data sheet

Manufacturer • Firestone Building Products Company
200 4th Avenue S
Nashville, TN 37201-2208
United States

genflexmsds@bfdp.com

Telephone (General) • 800-428-4442

1.4 Emergency telephone number

Manufacturer • (800) 424-9300 - CHEMTREC

Manufacturer • (703) 527-3887 - CHEMTREC - International

Section 2: Hazards Identification

EU/EEC

According to: Regulation (EC) No 1272/2008 (CLP)/REACH 1907/2006 [amended by 453/2010]

According to: EU Directive 67/548/EEC (DSD) or 1999/45/EC (DPD)

2.1 Classification of the substance or mixture

- CLP**
- Flammable Liquids 2 - H225
 - Eye Irritation 2 - H319
 - Specific Target Organ Toxicity Single Exposure 3: Respiratory Tract Irritation - H335
 - EUH066
- DSD/DPD**
- Highly Flammable (F)
 - Irritant (Xi)
 - R11, R36, R66, R67

2.2 Label Elements

CLP

DANGER



Hazard statements • H225 - Highly flammable liquid and vapour
H319 - Causes serious eye irritation
H335 - May cause respiratory irritation

EUH066 - Repeated exposure may cause skin dryness or cracking.

Precautionary statements

- Prevention** • P210 - Keep away from heat, sparks, open flames and/or hot surfaces. - No smoking.
 P233 - Keep container tightly closed.
 P240 - Ground and/or bond container and receiving equipment.
 P241 - Use explosion-proof electrical/ventilating/lighting/equipment.
 P242 - Use only non-sparking tools.
 P243 - Take precautionary measures against static discharge.
 P261 - Avoid breathing mist/vapours/spray.
 P264 - Wash thoroughly after handling.
 P271 - Use only outdoors or in a well-ventilated area.
 P280 - Wear protective gloves/protective clothing/eye protection/face protection.
- Response** • P370+P378 - In case of fire: Use appropriate media for extinction.
 P304+P340 - IF INHALED: Remove victim to fresh air and keep at rest in a position comfortable for breathing.
 P312 - Call a POISON CENTER or doctor/physician if you feel unwell.
 P303+P361+P353 - IF ON SKIN (or hair): Take off immediately all contaminated clothing. Rinse skin with water/shower.
 P305+P351+P338 - IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.
 P337+P313 - If eye irritation persists: Get medical advice/attention.
- Storage/Disposal** • P233 - Keep container tightly closed.
 P403+P235 - Store in a well-ventilated place. Keep cool.
 P501 - Dispose of content and/or container in accordance with local, regional, national, and/or international regulations.

DSD/DPD



- Risk phrases** • R11 - Highly flammable.
 R36 - Irritating to eyes.
 R66 - Repeated exposure may cause skin dryness or cracking.
 R67 - Vapours may cause drowsiness and dizziness.
- Safety phrases** • S9 - Keep container in a well ventilated place
 S16 - Keep away from sources of ignition - No Smoking.
 S26 - In case of contact with eyes, rinse immediately with plenty of water and seek medical advice.

2.3 Other Hazards

- CLP** • According to Regulation (EC) No. 1272/2008 (CLP) this material is considered hazardous.
- DSD/DPD** • According to European Directive 1999/45/EC this material is considered dangerous.

United States (US)

According to: OSHA 29 CFR 1910.1200 HCS

2.1 Classification of the substance or mixture

- OSHA HCS 2012**
- Flammable Liquids 2
 - Eye Irritation 2
 - Specific Target Organ Toxicity Single Exposure 3: Respiratory Tract Irritation
 - Specific Target Organ Toxicity Single Exposure 3: Narcotic Effects

2.2 Label elements

OSHA HCS 2012

DANGER



- Hazard statements**
- Highly flammable liquid and vapour
 - Causes serious eye irritation
 - May cause respiratory irritation
 - May cause drowsiness or dizziness

Precautionary statements

- Prevention**
- Keep away from heat, sparks, open flames and/or hot surfaces. - No smoking.
 - Keep container tightly closed.
 - Ground and/or bond container and receiving equipment.
 - Use explosion-proof electrical/ventilating/lighting/equipment.
 - Use only non-sparking tools.
 - Take precautionary measures against static discharge.
 - Avoid breathing mist/vapours/spray.
 - Wash thoroughly after handling.
 - Use only outdoors or in a well-ventilated area.
 - Wear protective gloves/protective clothing/eye protection/face protection.
- Response**
- In case of fire: Use appropriate media for extinction.
 - IF INHALED: Remove victim to fresh air and keep at rest in a position comfortable for breathing.
 - Call a POISON CENTER or doctor/physician if you feel unwell.
 - IF ON SKIN (or hair): Take off immediately all contaminated clothing. Rinse skin with water/shower.
 - IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.
 - If eye irritation persists: Get medical advice/attention.
- Storage/Disposal**
- Keep container tightly closed.
 - Store in a well-ventilated place. Keep cool.
 - Dispose of content and/or container in accordance with local, regional, national, and/or international regulations.

2.3 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

2.1 Classification of the substance or mixture

- WHMIS
- Flammable Liquids - B2
 - Other Toxic Effects - D2B

2.2 Label elements

WHMIS



WHMIS

- Flammable Liquids - B2
- Other Toxic Effects - D2B

2.3 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

3.1 Substances

- Material does not meet the criteria of a substance in accordance with Regulation (EC) No 1272/2008.

3.2 Mixtures

Composition					
Chemical Name	Identifiers	%	LD50/LC50	Classifications According to Regulation/Directive	Comments
Acetone	CAS:67-64-1 EC Number:200-662-2	> 95%	Ingestion/Oral-Rat LD50 • 5800 mg/kg Inhalation-Rat LC50 • 50100 mg/m ³ 8 Hour(s)	EU DSD/DPD: EU CLP, Annex VI, Table 3.2: F, R11; Xi, R36; R66; R67 EU CLP: Annex VI - Flam. Liq. 2, H225; Eye Irrit. 2, H319; STOT SE 3, H335, EUH066 OSHA HCS 2012: Flam. Liq. 2; STOT SE 3: Resp. Irrit.; Eye Irrit. 2; STOT SE 3: Narc.	NDA
Ethanol	CAS:64-17-5 EC Number:200-578-6	0.005% TO 0.05%	Ingestion/Oral-Rat LD50 • 7060 mg/kg Inhalation-Rat LC50 • 124700 mg/m ³ 4 Hour(s)	EU DSD/DPD: EU CLP, Annex VI, Table 3.2: F, R11 EU CLP: EU CLP, Annex VI, Table 3.1: Flam. Liq. 2, H225 OSHA HCS 2012: Flam. Liq. 2; Eye Irrit. 2, Repr. 2	NDA

Section 4 - First Aid Measures

4.1 Description of first aid measures

Inhalation

- Move victim to fresh air. Administer oxygen if breathing is difficult. Give artificial respiration if victim is not breathing. If signs/symptoms continue, get medical attention.

Skin

- In case of contact with substance, immediately flush skin with running water for at least 20 minutes. Remove and isolate contaminated clothing and shoes. Wash skin with soap and water. If irritation develops and persists, get medical attention.

Eye

- In case of contact with substance, immediately flush eyes with running water for at least 20 minutes. If eye irritation persists: Get medical advice/attention.

Ingestion

- Do NOT induce vomiting. Rinse mouth. Never give anything by mouth to an unconscious person. Get medical attention immediately.

4.2 Most important symptoms and effects, both acute and delayed

- Refer to Section 11 - Toxicological Information.

4.3 Indication of any immediate medical attention and special treatment needed

Notes to Physician

- All treatments should be based on observed signs and symptoms of distress in the patient. Consideration should be given to the possibility that overexposure to materials other than this product may have occurred.

Section 5 - Firefighting Measures

5.1 Extinguishing media

Suitable Extinguishing Media • LARGE FIRES: Dry chemical, CO₂, alcohol-resistant foam or water spray.

Unsuitable Extinguishing Media • Do not use a direct stream of water.

5.2 Special hazards arising from the substance or mixture

Unusual Fire and Explosion Hazards

- **HIGHLY FLAMMABLE:** Will be easily ignited by heat, sparks or flames. Containers may explode when heated. Vapor explosion hazard indoors, outdoors or in sewers. Many liquids are lighter than water. Most vapors are heavier than air. They will spread along ground and collect in low or confined areas (sewers, basements, tanks). Runoff to sewer may create fire or explosion hazard. Vapors may form explosive mixtures with air. Vapors may travel to source of ignition and flash back.

Hazardous Combustion Products

- Carbon oxides.

5.3 Advice for firefighters

- Structural firefighters' protective clothing will only provide limited protection. Wear positive pressure self-contained breathing apparatus (SCBA). Move containers from fire area if you can do it without risk. **LARGE FIRES:** Cool containers with flooding quantities of water until well after fire is out.

Section 6 - Accidental Release Measures

6.1 Personal precautions, protective equipment and emergency procedures

Personal Precautions

- Wear appropriate personal protective equipment. Do not walk through spilled material. Do not breathe mist/vapours/spray. Avoid contact with skin and eyes.

Emergency Procedures

- As an immediate precautionary measure, isolate spill or leak area for at least 50 meters (150 feet) in all directions. If tank, rail car or tank truck is involved in a fire, ISOLATE for 800 meters (1/2 mile) in all directions; also, consider initial evacuation for 800 meters (1/2 mile) in all directions. **LARGE SPILL:** Consider initial downwind evacuation for at least 300 meters (1000 feet) ELIMINATE all ignition sources (no smoking, flares, sparks or flames in immediate area). Keep unauthorized personnel away. Stay upwind. Keep out of low areas. Ventilate closed spaces before entering.

6.2 Environmental precautions

- Prevent entry into waterways, sewers, basements or confined areas.

6.3 Methods and material for containment and cleaning up

Containment/Clean-up Measures

- Stop leak if you can do it without risk. Absorb or cover with dry earth, sand or other non-combustible material and transfer to containers. Use clean non-sparking tools to collect absorbed material. A vapor suppressing foam may be used to reduce vapors. All equipment used when handling the product must be grounded. **LARGE SPILLS:** Dike far ahead of liquid spill for later disposal. **LARGE SPILLS:** Water spray may reduce vapor; but may not prevent ignition in closed spaces.

6.4 Reference to other sections

- Refer to Section 8 - Exposure Controls/Personal Protection and Section 13 - Disposal Considerations.

Section 7 - Handling and Storage

7.1 Precautions for safe handling

Handling

- Keep away from heat, sparks, and flame. All equipment used when handling the product must be grounded. Containers, even those that have been emptied, can contain explosive vapors. Do not cut, drill, grind, weld or perform similar operations near container. Do not use in areas without adequate ventilation. Wear appropriate personal protective equipment. Avoid contact with skin and eyes. Wash thoroughly with soap and water after handling and before eating, drinking, or using tobacco.

7.2 Conditions for safe storage, including any incompatibilities

Storage

- Store in a cool, dry, well-ventilated place. Store in a tightly closed container.

7.3 Specific end use(s)

- Refer to Section 1.2 - Relevant identified uses.

Section 8 - Exposure Controls/Personal Protection

8.1 Control parameters

Exposure Limits/Guidelines						
	Result	ACGIH	Canada Alberta	Canada British Columbia	Canada Manitoba	Canada New Brunswick
Ethanol (64-17-5)	TWAs	Not established	1000 ppm TWA; 1880 mg/m ³ TWA	Not established	Not established	1000 ppm TWA; 1880 mg/m ³ TWA
	STELs	1000 ppm STEL	Not established	1000 ppm STEL	1000 ppm STEL	Not established
Acetone (67-64-1)	STELs	750 ppm STEL	750 ppm STEL; 1800 mg/m ³ STEL	500 ppm STEL	750 ppm STEL	750 ppm STEL; 1782 mg/m ³ STEL
	TWAs	500 ppm TWA	500 ppm TWA; 1200 mg/m ³ TWA	250 ppm TWA	500 ppm TWA	500 ppm TWA; 1188 mg/m ³ TWA
Exposure Limits/Guidelines (Con't.)						
	Result	Canada Northwest Territories	Canada Nova Scotia	Canada Nunavut	Canada Ontario	Canada Quebec
Ethanol (64-17-5)	STELs	1250 ppm STEL; 2355 mg/m ³ STEL	1000 ppm STEL	1250 ppm STEL; 2355 mg/m ³ STEL	1000 ppm STEL	Not established
	TWAs	1000 ppm TWA; 1884 mg/m ³ TWA	Not established	1000 ppm TWA; 1884 mg/m ³ TWA	Not established	1000 ppm TWAEV; 1880 mg/m ³ TWAEV
Acetone (67-64-1)	STELs	1250 ppm STEL; 2970 mg/m ³ STEL	750 ppm STEL	1250 ppm STEL; 2970 mg/m ³ STEL	750 ppm STEL	1000 ppm STEV; 2380 mg/m ³ STEV
	TWAs	1000 ppm TWA; 2370 mg/m ³ TWA	500 ppm TWA	1000 ppm TWA; 2370 mg/m ³ TWA	500 ppm TWA	500 ppm TWAEV; 1190 mg/m ³ TWAEV
Exposure Limits/Guidelines (Con't.)						
	Result	Canada Saskatchewan	Canada Yukon	NIOSH	OSHA	
Ethanol (64-17-5)	TWAs	1000 ppm TWA	1000 ppm TWA; 1900 mg/m ³ TWA	1000 ppm TWA; 1900 mg/m ³ TWA	1000 ppm TWA; 1900 mg/m ³ TWA	
	STELs	Not established	1000 ppm STEL; 1900 mg/m ³ STEL	Not established	Not established	
Acetone (67-64-1)	TWAs	500 ppm TWA	1000 ppm TWA; 2400 mg/m ³ TWA	250 ppm TWA; 590 mg/m ³ TWA	1000 ppm TWA; 2400 mg/m ³ TWA	
	STELs	Not established	1250 ppm STEL; 3000 mg/m ³ STEL	Not established	Not established	

8.2 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. Use explosion-proof electrical/ventilating/lighting/equipment.

Personal Protective Equipment

Respiratory

- Follow the OSHA respirator regulations found in 29 CFR 1910.134 or European Standard EN 149. Use a NIOSH/MSHA or European Standard EN 149 approved respirator if exposure limits are exceeded or symptoms are experienced.

- Eye/Face**
 - Skin/Body**
 - Environmental Exposure Controls**
- Wear safety goggles.
 - Wear appropriate gloves. Wear protective clothing
 - Controls should be engineered to prevent release to the environment, including procedures to prevent spills, atmospheric release and release to waterways. Follow best practice for site management and disposal of waste.

Key to abbreviations

ACGIH = American Conference of Governmental Industrial Hygiene

NIOSH = National Institute of Occupational Safety and Health

OSHA = Occupational Safety and Health Administration

STEL = Short Term Exposure Limits are based on 15-minute exposures

STEV = Short Term Exposure Value

TWAEV = Time-Weighted Average Exposure Value

TWA = Time-Weighted Averages are based on 8h/day, 40h/week exposures

Section 9 - Physical and Chemical Properties

9.1 Information on Basic Physical and Chemical Properties

Material Description			
Physical Form	Liquid	Appearance/Description	Clear liquid with solvent odor.
Color	Clear	Odor	Solvent
Odor Threshold	Data lacking		
General Properties			
Boiling Point	Data lacking	Melting Point/Freezing Point	-94 °C(-137.2 °F)
pH	Data lacking	Specific Gravity/Relative Density	= 0.79 Water=1
Water Solubility	Miscible	Viscosity	Data lacking
Explosive Properties	Data lacking	Oxidizing Properties:	Data lacking
Volatility			
Vapor Pressure	184 mmHg (torr) @ 20 °C(68 °F)	Vapor Density	Data lacking
Evaporation Rate	Data lacking	Volatiles (Vol.)	> 99 %
Flammability			
Flash Point	-17 °C(1.4 °F) CC (Closed Cup)	UEL	13 %
LEL	2 %	Autoignition	> 450 °C(> 842 °F)
Flammability (solid, gas)	Flammable Liquid.		
Environmental			
Octanol/Water Partition coefficient	Data lacking		

9.2 Other Information

- No additional physical and chemical parameters noted.

Section 10: Stability and Reactivity

10.1 Reactivity

- No dangerous reaction known under conditions of normal use.

10.2 Chemical stability

- Stable under normal temperatures and pressures.

10.3 Possibility of hazardous reactions

- Hazardous polymerization will not occur.

10.4 Conditions to avoid

- Keep away from heat, sparks, and flame.

10.5 Incompatible materials

- Bases, oxidizing agents, reducing agents, Acetone reacts violently with phosphorous oxychloride.

10.6 Hazardous decomposition products

- Material does not decompose under normal working conditions. Thermal decomposition products: Carbon oxides.

Section 11 - Toxicological Information

11.1 Information on toxicological effects

Components		
Ethanol (0.005% TO 0.05%)	64- 17- 5	Acute Toxicity: Ingestion/Oral-Rat LD50 • 7060 mg/kg; <i>Lungs, Thorax, or Respiration:</i> Other changes; Irritation: Eye-Rabbit • 500 mg • Severe irritation; Skin-Rabbit • 400 mg-Open • Mild irritation; Reproductive: Ingestion/Oral-Rat TDLo • 900 mL/kg (19D pre-21D post); <i>Reproductive Effects:</i> Specific Developmental Abnormalities:Central nervous system; <i>Reproductive Effects:Effects on Newborn:</i> Growth statistics (e.g., reduced weight gain); <i>Reproductive Effects:Effects on Newborn:</i> Biochemical and metabolic
Acetone (> 95%)	67- 64- 1	Acute Toxicity: Ingestion/Oral-Rat LD50 • 5800 mg/kg; Inhalation-Rat LC50 • 50100 mg/m ³ ; Irritation: Eye-Rabbit • 20 mg • Severe irritation; Skin-Rabbit • 395 mg-Open • Mild irritation; Reproductive: Inhalation-Rat TCLo • 11000 ppm (6-19D preg); <i>Reproductive Effects:</i> Specific Developmental Abnormalities:Other developmental abnormalities

GHS Properties	Classification
Acute toxicity	EU/CLP • Classification criteria not met OSHA HCS 2012 • Classification criteria not met
Skin corrosion/Irritation	EU/CLP • Classification criteria not met OSHA HCS 2012 • Classification criteria not met
Serious eye damage/Irritation	EU/CLP • Eye Irritation 2 OSHA HCS 2012 • Eye Irritation 2
Skin sensitization	EU/CLP • Classification criteria not met OSHA HCS 2012 • Classification criteria not met
Respiratory sensitization	EU/CLP • Classification criteria not met OSHA HCS 2012 • Classification criteria not met
Aspiration Hazard	EU/CLP • Classification criteria not met OSHA HCS 2012 • Classification criteria not met
Carcinogenicity	EU/CLP • Classification criteria not met OSHA HCS 2012 • Classification criteria not met
Germ Cell Mutagenicity	EU/CLP • Classification criteria not met OSHA HCS 2012 • Classification criteria not met
Toxicity for Reproduction	EU/CLP • Classification criteria not met OSHA HCS 2012 • Classification criteria not met
STOT-SE	EU/CLP • Specific Target Organ Toxicity Single Exposure 3: Respiratory Tract Irritation OSHA HCS 2012 • Specific Target Organ Toxicity Single Exposure 3: Narcotic Effects; Specific Target Organ Toxicity Single Exposure 3: Respiratory Tract Irritation
STOT-RE	EU/CLP • Classification criteria not met OSHA HCS 2012 • Classification criteria not met

- Route(s) of entry/exposure** • Inhalation, Skin, Eye, Ingestion
- Potential Health Effects**
- Inhalation**
- Acute (Immediate)** • May cause respiratory irritation. May affect the central nervous system. Symptoms may include dizziness, drowsiness, lethargy, coma and death.
- Chronic (Delayed)** • No data available.
- Skin**
- Acute (Immediate)** • May cause mild irritation. May aggravate pre-existing skin conditions.
- Chronic (Delayed)** • Repeated exposure may cause skin dryness or cracking.
- Eye**
- Acute (Immediate)** • Causes serious eye irritation.
- Chronic (Delayed)** • No data available.
- Ingestion**
- Acute (Immediate)** • No data available
- Chronic (Delayed)** • No data available.
- Carcinogenic Effects** • When used under normal conditions, this product is not considered a carcinogen.

Carcinogenic Effects		
	CAS	IARC
Ethanol	64-17-5	Group 1-Carcinogenic

Section 12 - Ecological Information

12.1 Toxicity

- Material data lacking.

12.2 Persistence and degradability

- Material data lacking.

12.3 Bioaccumulative potential

- Material data lacking.

12.4 Mobility in Soil

- Material data lacking.

12.5 Results of PBT and vPvB assessment

- No PBT and vPvB assessment has been conducted.

12.6 Other adverse effects

- No studies have been found.

Section 13 - Disposal Considerations

13.1 Waste treatment methods

- Product waste** • Dispose of content and/or container in accordance with local, regional, national, and/or international regulations.
- Packaging waste** • Dispose of content and/or container in accordance with local, regional, national, and/or international regulations.

Section 14 - Transport Information

	14.1 UN number	14.2 UN proper shipping name	14.3 Transport hazard class(es)	14.4 Packing group	14.5 Environmental hazards
DOT	UN1090	Acetone	3	II	NDA
TDG	UN1090	ACETONE	3	II	NDA
IMO/IMDG	UN1090	ACETONE	3	II	NDA
ADN	UN1090	ACETONE	3	II	NDA
ADR/RID	UN1090	ACETONE	3	II	NDA
IATA/ICAO	UN1090	Acetone	3	II	NDA

14.6 Special precautions for user • None known.

14.7 Transport in bulk according to Annex II of Marpol and the IBC Code • Not relevant.

14.8 Other information

DOT • Acetone has a reportable quantity of 5000 lbs (2270 kg) as listed in Appendix A to 49 CFR 172.101.

Section 15 - Regulatory Information

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

SARA Hazard Classifications • Acute, Fire

State Right To Know				
Component	CAS	MA	NJ	PA
Acetone	67-64-1	Yes	Yes	Yes
Ethanol	64-17-5	Yes	Yes	Yes
Silane, triethoxy(3-isocyanatopropyl)-	24801-88-5	No	No	No

Inventory						
Component	CAS	Canada DSL	Canada NDSL	EU EINECS	EU ELNICS	TSCA
Acetone	67-64-1	Yes	No	Yes	No	Yes
Ethanol	64-17-5	Yes	No	Yes	No	Yes
Silane, triethoxy(3-isocyanatopropyl)-	24801-88-5	No	Yes	Yes	No	Yes

Canada

Labor

Canada - WHMIS - Classifications of Substances

• Silane, triethoxy(3-isocyanatopropyl)-	24801-88-5	Not Listed
• Acetone	67-64-1	B2, D2B
• Ethanol	64-17-5	B2, D2B

Canada - WHMIS - Ingredient Disclosure List

• Silane, triethoxy(3-isocyanatopropyl)-	24801-88-5	Not Listed
• Acetone	67-64-1	1 %
• Ethanol	64-17-5	0.1 %

Environment**Canada - CEPA - Priority Substances List**

• Silane, triethoxy(3-isocyanatopropyl)-	24801-88-5	Not Listed
• Acetone	67-64-1	Not Listed
• Ethanol	64-17-5	Not Listed

Europe**Other****EU - CLP (1272/2008) - Annex VI - Table 3.2 - Classification**

• Silane, triethoxy(3-isocyanatopropyl)-	24801-88-5	Not Listed
• Acetone	67-64-1	F; R11 Xi; R36 R66 R67
• Ethanol	64-17-5	F; R11

EU - CLP (1272/2008) - Annex VI - Table 3.2 - Concentration Limits

• Silane, triethoxy(3-isocyanatopropyl)-	24801-88-5	Not Listed
• Acetone	67-64-1	Not Listed
• Ethanol	64-17-5	Not Listed

EU - CLP (1272/2008) - Annex VI - Table 3.2 - Labelling

• Silane, triethoxy(3-isocyanatopropyl)-	24801-88-5	Not Listed
• Acetone	67-64-1	F Xi R:11-36-66-67 S:(2)-9-16-26
• Ethanol	64-17-5	F R:11 S:(2)-7-16

EU - CLP (1272/2008) - Annex VI - Table 3.2 - Notes - Substances and Preparations

• Silane, triethoxy(3-isocyanatopropyl)-	24801-88-5	Not Listed
• Acetone	67-64-1	Not Listed
• Ethanol	64-17-5	Not Listed

EU - CLP (1272/2008) - Annex VI - Table 3.2 - Safety Phrases

• Silane, triethoxy(3-isocyanatopropyl)-	24801-88-5	Not Listed
• Acetone	67-64-1	S:(2)-9-16-26
• Ethanol	64-17-5	S:(2)-7-16

United States**Labor****U.S. - OSHA - Process Safety Management - Highly Hazardous Chemicals**

• Silane, triethoxy(3-isocyanatopropyl)-	24801-88-5	Not Listed
• Acetone	67-64-1	Not Listed
• Ethanol	64-17-5	Not Listed

U.S. - OSHA - Specifically Regulated Chemicals

• Silane, triethoxy(3-isocyanatopropyl)-	24801-88-5	Not Listed
• Acetone	67-64-1	Not Listed
• Ethanol	64-17-5	Not Listed

Environment**U.S. - CAA (Clean Air Act) - 1990 Hazardous Air Pollutants**

• Silane, triethoxy(3-isocyanatopropyl)-	24801-88-5	Not Listed
• Acetone	67-64-1	Not Listed
• Ethanol	64-17-5	Not Listed

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

• Silane, triethoxy(3-isocyanatopropyl)-	24801-88-5	Not Listed
• Acetone	67-64-1	5000 lb final RQ; 2270 kg final RQ
• Ethanol	64-17-5	Not Listed
U.S. - CERCLA/SARA - Radionuclides and Their Reportable Quantities		
• Silane, triethoxy(3-isocyanatopropyl)-	24801-88-5	Not Listed
• Acetone	67-64-1	Not Listed
• Ethanol	64-17-5	Not Listed
U.S. - CERCLA/SARA - Section 302 Extremely Hazardous Substances EPCRA RQs		
• Silane, triethoxy(3-isocyanatopropyl)-	24801-88-5	Not Listed
• Acetone	67-64-1	Not Listed
• Ethanol	64-17-5	Not Listed
U.S. - CERCLA/SARA - Section 302 Extremely Hazardous Substances TPQs		
• Silane, triethoxy(3-isocyanatopropyl)-	24801-88-5	Not Listed
• Acetone	67-64-1	Not Listed
• Ethanol	64-17-5	Not Listed
U.S. - CERCLA/SARA - Section 313 - Emission Reporting		
• Silane, triethoxy(3-isocyanatopropyl)-	24801-88-5	Not Listed
• Acetone	67-64-1	Not Listed
• Ethanol	64-17-5	Not Listed
U.S. - CERCLA/SARA - Section 313 - PBT Chemical Listing		
• Silane, triethoxy(3-isocyanatopropyl)-	24801-88-5	Not Listed
• Acetone	67-64-1	Not Listed
• Ethanol	64-17-5	Not Listed
U.S. - RCRA (Resource Conservation & Recovery Act) - Basis for Listing - Appendix VII		
• Silane, triethoxy(3-isocyanatopropyl)-	24801-88-5	Not Listed
• Acetone	67-64-1	Included in waste stream: F039
• Ethanol	64-17-5	Not Listed
U.S. - RCRA (Resource Conservation & Recovery Act) - Constituents for Detection Monitoring		
• Silane, triethoxy(3-isocyanatopropyl)-	24801-88-5	Not Listed
• Acetone	67-64-1	Not Listed
• Ethanol	64-17-5	Not Listed
U.S. - RCRA (Resource Conservation & Recovery Act) - List for Hazardous Constituents		
• Silane, triethoxy(3-isocyanatopropyl)-	24801-88-5	Not Listed
• Acetone	67-64-1	Not Listed
• Ethanol	64-17-5	Not Listed
U.S. - RCRA (Resource Conservation & Recovery Act) - Phase 4 LDR Rule - Universal Treatment Standards		
• Silane, triethoxy(3-isocyanatopropyl)-	24801-88-5	Not Listed
• Acetone	67-64-1	0.28 mg/L (wastewater); 160 mg/kg (nonwastewater)
• Ethanol	64-17-5	Not Listed
U.S. - RCRA (Resource Conservation & Recovery Act) - TSD Facilities Ground Water Monitoring		
• Silane, triethoxy(3-isocyanatopropyl)-	24801-88-5	Not Listed
• Acetone	67-64-1	Not Listed
• Ethanol	64-17-5	Not Listed

U.S. - RCRA (Resource Conservation & Recovery Act) - U Series Wastes - Acutely Toxic Wastes & Other Hazardous Characteristics

• Silane, triethoxy(3-isocyanatopropyl)-	24801-88-5	Not Listed
• Acetone	67-64-1	waste number U002 (Ignitable waste)
• Ethanol	64-17-5	Not Listed

United States - California**Environment****U.S. - California - Proposition 65 - Carcinogens List**

• Silane, triethoxy(3-isocyanatopropyl)-	24801-88-5	Not Listed
• Acetone	67-64-1	Not Listed
• Ethanol	64-17-5	carcinogen, initial date 4/29/11 (in alcoholic beverages)

U.S. - California - Proposition 65 - Developmental Toxicity

• Silane, triethoxy(3-isocyanatopropyl)-	24801-88-5	Not Listed
• Acetone	67-64-1	Not Listed
• Ethanol	64-17-5	developmental toxicity, initial date 10/1/87 (in alcoholic beverages)

U.S. - California - Proposition 65 - Maximum Allowable Dose Levels (MADL)

• Silane, triethoxy(3-isocyanatopropyl)-	24801-88-5	Not Listed
• Acetone	67-64-1	Not Listed
• Ethanol	64-17-5	Not Listed

U.S. - California - Proposition 65 - No Significant Risk Levels (NSRL)

• Silane, triethoxy(3-isocyanatopropyl)-	24801-88-5	Not Listed
• Acetone	67-64-1	Not Listed
• Ethanol	64-17-5	Not Listed

U.S. - California - Proposition 65 - Reproductive Toxicity - Female

• Silane, triethoxy(3-isocyanatopropyl)-	24801-88-5	Not Listed
• Acetone	67-64-1	Not Listed
• Ethanol	64-17-5	Not Listed

U.S. - California - Proposition 65 - Reproductive Toxicity - Male

• Silane, triethoxy(3-isocyanatopropyl)-	24801-88-5	Not Listed
• Acetone	67-64-1	Not Listed
• Ethanol	64-17-5	Not Listed

United States - Pennsylvania**Labor****U.S. - Pennsylvania - RTK (Right to Know) - Environmental Hazard List**

• Silane, triethoxy(3-isocyanatopropyl)-	24801-88-5	Not Listed
• Acetone	67-64-1	
• Ethanol	64-17-5	Not Listed

U.S. - Pennsylvania - RTK (Right to Know) - Special Hazardous Substances

• Silane, triethoxy(3-isocyanatopropyl)-	24801-88-5	Not Listed
• Acetone	67-64-1	Not Listed
• Ethanol	64-17-5	Not Listed

15.2 Chemical Safety Assessment

- No Chemical Safety Assessment has been carried out.

15.3 Other Information

- WARNING: This product contains a chemical known to the State of California to cause cancer, birth defects or other reproductive harm.

Section 16 - Other Information

Revision Date

- 02/March/2018

Preparation Date

- 26/February/2013

Other Information

- Changes to this revision: Updated mailing address.

Disclaimer/Statement of Liability

- The information contained herein is based on data considered accurate which has been obtained from other companies and organizations. However, no warranty or representation is expressed or implied that the information, is accurate, complete or representative. Firestone Building Products Company, LLC assumes no responsibility for injury to the buyer, the buyer's employees, or any third persons, if reasonable safety procedures are not followed. Additionally, Firestone Building Products Company assumes no responsibility for injury to buyer, the buyer's employees, or any third persons caused by abnormal use of this material, even if reasonable safety procedures are followed.

Key to abbreviations

NDA = No data available