Safety Data Sheet

GenFlex Roofing Systems

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

1.1 Product identifier

Product Name

EZ TPO Cut Edge Sealant LVOC

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

250 West 96th Street Indianapolis, IN 46260

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 3 - H226 Skin Irritation 2 - H315 Eye Irritation 2 - H319

Reproductive Toxicity 2 - H361

DSD/DPD

Irritant (Xi) R10, R36/38

2.2 Label Elements

CLP

WARNING







Hazard statements .

H226 - Flammable liquid and vapour

H315 - Causes skin irritation

H319 - Causes serious eye irritation

H361 - Suspected of damaging fertility or the unborn child.

Precautionary statements

Prevention • P201 - Obtain special instructions before use.

P202 - Do not handle until all safety precautions have been read and understood.

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.

P264 - Wash thoroughly after handling.

P280 - Wear protective gloves and eye/face protection , . P281 - Use personal protective equipment as required.

Response • P370+P378 - In case of fire: Use appropriate media for extinction.

P303+P361+P353 - IF ON SKIN (or hair): Take off immediately all contaminated

clothing. Rinse skin with water/shower.

P363 - Wash contaminated clothing before reuse.

P332+P313 - If skin irritation occurs: Get medical advice/attention.

P321 - Specific treatment, see supplemental first aid information.

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. P308+P313 - IF exposed or concerned: Get medical advice/attention.

Storage/Disposal • P403+P235 - Store in a well-ventilated place. Keep cool.

P233 - Keep container tightly closed.

P501 - Dispose of content and/or container in accordance with local, regional,

national, and/or international regulations.

DSD/DPD



Risk phrases • R10 - Flammable.

R36/38 - Irritating to eyes and skin.

Safety phrases . 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 3 - H226 Skin Irritation 2 - H315 Eye Irritation 2A - H319 Reproductive Toxicity 2 - H361

2.2 Label elements OSHA HCS 2012

WARNING







Hazard statements . Flammable liquid and vapour - H226 Causes skin irritation - H315

Causes serious eye irritation - H319 Suspected of damaging fertility or the unborn child. - H361

Precautionary statements

Prevention Obtain special instructions before use. - P201

Do not handle until all safety precautions have been read and understood. - P202 Keep away from heat, sparks, open flames and/or hot surfaces. - No smoking. - P210 Keep container tightly closed. - P233

Ground and/or bond container and receiving equipment. - P240 Use explosion-proof electrical/ventilating/lighting/equipment. - P241

Use only non-sparking tools. - P242

Take precautionary measures against static discharge. - P243

Wash thoroughly after handling. - P264

Wear protective gloves and eye/face protection , . - P280

Response IF exposed or concerned: Get medical advice/attention. - P308+P313 If eye irritation persists: Get medical advice/attention. - P337+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 ON SKIN (or hair): Take off immediately all contaminated clothing. Rinse skin with water/shower. - P303+P361+P353

If skin irritation occurs: Get medical advice/attention. - P332+P313 In case of fire: Use appropriate media for extinction. - P370+P378 Specific treatment, see supplemental first aid information. - P321 Wash contaminated clothing before reuse. - P363

Storage/Disposal .

Store in a well-ventilated place. Keep cool. - P403+P235

Keep container tightly closed. - P233

Dispose of content and/or container in accordance with local, regional, national, and/or international regulations. - P501

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

 Combustible Liquids - B3 Other Toxic Effects - D2A Other Toxic Effects - D2B

2.2 Label elements

WHMIS





Combustible Liquids - B3 Other Toxic Effects - D2A 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		
1-Chloro-4- (trifluoromethyl) benzene	CAS:98-56-6 EC Number:202- 681-1	50% TO 100%	Ingestion/Oral-Rat LD50 • 13 g/kg Inhalation-Rat LC50 • 22 g/m³	EU DSD/DPD: Not Classified EU CLP: Not Classified OSHA HCS 2012: Not Classified	NDA		
Xylene	CAS:1330-20-7 EC Number:215- 535-7 EU Index:601- 022-00-9	2.5% TO 10%	Ingestion/Oral-Rat LD50 • 4300 mg/kg Inhalation-Rat LC50 • 5000 ppm 4 Hour(s) Skin-Rabbit LD50 • >1700 mg/kg	EU DSD/DPD: Annex VI, Table 3.2: R10 Xn R20/21 Xi R38 EU CLP: Annex VI, Table 3.1: Flam. Liq. 3, H225; Acute Tox. 4, H332; Acute Tox. 4, H312; Skin Irrit. 2, H315 OSHA HCS 2012: Flam. Liq. 3; Acute Tox. 4 (skn) Eye Irrit. 2, Skin Irrit. 2, Repr. 2; STOT SE 3: Resp. Irrit. & Narc	NDA		
Titanium dioxide	CAS:13463-67-7 EC Number:236- 675-5	<= 2.5%	NDA	EU DSD/DPD: Self Classified: Carc. Cat. 3 R40 EU CLP: Self Classified: Carc. 2, H351 OSHA HCS 2012: Carc. 2	NDA		

See Section 16 for full text of H-statements and R-phrases.

Section 4 - First Aid Measures

4.1 Description of first aid measures

Inhalation

 IF INHALED: Remove victim to fresh air and keep at rest in a position comfortable for breathing. Administer oxygen if breathing is difficult. Give artificial respiration if victim is not breathing. Get medical attention immediately if symptoms occur.

Skin

 Rinse skin with rubbing alcohol first, followed immediately by washing affected area with soap and water. Remove and isolate contaminated clothing and shoes. If skin irritation occurs: Get medical advice/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

Get medical attention.

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 • Carbon dioxide, sand, extinguishing powder.

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.

May form explosive mixtures with air.

Vapors may travel to source of ignition and flash back. Most vapors are heavier than air. They will spread along ground and collect in low or

confined areas (sewers, basements, tanks). Containers may explode when heated. Many liquids are lighter than water.

Toxic fumes and vapors may be produced.

Hazardous Combustion Products

No data available

5.3 Advice for firefighters

Structural firefighters' protective clothing provides limited protection in fire situations ONLY; it is not effective in spill situations where direct contact with the substance is possible.

Wear positive pressure self-contained breathing apparatus (SCBA).

Wear chemical protective clothing that is specifically recommended by the

manufacturer. It may provide little or no thermal protection. Move containers from fire area if you can do it without risk.

Cool fire exposed containers with water.

Section 6 - Accidental Release Measures

6.1 Personal precautions, protective equipment and emergency procedures

Personal Precautions

 Ventilate the area before entry. Do not walk through spilled material. Wear appropriate personal protective equipment. Avoid breathing mist, vapours, spray. Avoid contact with skin, eyes, and clothing. Do not touch damaged containers or spilled material unless wearing appropriate protective clothing.

Emergency Procedures

• ELIMINATE all ignition sources (no smoking, flares, sparks or flames in immediate area). 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) Keep unauthorized personnel away. Ventilate closed spaces before entering. Stay upwind. Keep out of low areas.

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

Format: EU CLP/REACH Language: English (US) WHMIS, EU CLP, EU DSD/DPD, OSHA HCS 2012

Handling

• Use only with adequate ventilation. All equipment used when handling the product must be grounded. Take precautionary measures against static charges. Wear appropriate personal protective equipment, avoid direct contact. Avoid breathing mist, vapours, spray. Avoid contact with skin, eyes, and clothing. Handle and open container with care. Use good safety and industrial hygiene practices. 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

 Keep away from heat, sparks and flame. Keep container tightly closed. Store in a cool, dry, well-ventilated place.

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	Australia	Belgium	Canada Alberta	Canada British Columbia
Xylene	STELs	150 ppm STEL	150 ppm STEL; 655 mg/m3 STEL	100 ppm STEL; 442 mg/m3 STEL	150 ppm STEL; 651 mg/m3 STEL	150 ppm STEL
(1330-20-7)	TWAs	100 ppm TWA	80 ppm TWA; 350 mg/m3 TWA	50 ppm TWA; 221 mg/m3 TWA	100 ppm TWA; 434 mg/m3 TWA	100 ppm TWA
Titanium dioxide (13463-67-7)	TWAs	10 mg/m3 TWA	10 mg/m3 TWA (containing no		10 mg/m3 TWA	10 mg/m3 TWA (total dust); 3 mg/m3 TWA (respirable fraction)
		E	xposure Limits/Gu	idelines (Con't.)		
	Result	Canada Manitoba	Canada New Brunswick	Canada Northwest Territories	Canada Nova Scotia	Canada Nunavut
Xylene	STELs	150 ppm STEL	150 ppm STEL; 651 mg/m3 STEL	150 ppm STEL; 652 mg/m3 STEL	150 ppm STEL	150 ppm STEL; 652 mg/m3 STEL
(1330-20-7)	TWAs	100 ppm TWA	100 ppm TWA; 434 mg/m3 TWA	100 ppm TWA; 434 mg/m3 TWA	100 ppm TWA	100 ppm TWA; 434 mg/m3 TWA
Titanium dioxide (13463-67-7)	TWAs	10 mg/m3 TWA	10 mg/m3 TWA	5 mg/m3 TWA (respirable mass); 10 mg/m3 TWA (total mass)	10 mg/m3 TWA	5 mg/m3 TWA (respirable mass); 10 mg/m3 TWA (total mass)
		E	xposure Limits/Gu	idelines (Con't.)		
	Result	Canada Ontario	Canada Quebec	Canada Saskatchewan	Canada Yukon	China
Xylene	STELs	150 ppm STEL	150 ppm STEV; 651 mg/m3 STEV	Not established	150 ppm STEL; 650 mg/m3 STEL	100 mg/m3 STEL
(1330-20-7)	TWAs	100 ppm TWA	100 ppm TWAEV; 434 mg/m3 TWAEV	100 ppm TWA	100 ppm TWA; 435 mg/m3 TWA	50 mg/m3 TWA
	STELs	Not established	Not established	Not established	20 mg/m3 STEL (as Ti)	16 mg/m3 STEL (total dust)
Titanium dioxide (13463-67-7)	TWAs	10 mg/m3 TWA	10 mg/m3 TWAEV (containing no Asbestos and <1% Crystalline silica, total	10 mg/m3 TWA	30 mppcf TWA (as Ti); 10 mg/m3 TWA (as Ti)	8 mg/m3 TWA (total dust)

			dust)						
	Exposure Limits/Guidelines (Con't.)								
Result Cyprus Denmark Germany DFG Germany TRGS OSHA									
	TWAs	50 ppm TWA; 221 mg/m3 TWA	25 ppm TWA; 109 mg/m3 TWA	Not established	100 ppm TWA AGW (all isomers, exposure factor 2); 440 mg/m3 TWA AGW (all isomers, exposure factor 2)	100 ppm TWA; 435 mg/m3 TWA			
Xylene	STELs	100 ppm STEL; 442 mg/m3 STEL	Not established	Not established	Not established	Not established			
(1330-20-7)	Ceilings	Not established	Not established	200 ppm Peak (all isomers); 880 mg/m3 Peak (all isomers)	Not established	Not established			
	MAKs	Not established	Not established	100 ppm TWA MAK (all isomers); 440 mg/m3 TWA MAK (all isomers)	Not established	Not established			
Titanium dioxide (13463-67-7)	TWAs	Not established	6 mg/m3 TWA (as Ti)	Not established	Not established	15 mg/m3 TWA (total dust)			

Exposure Control Notations

Cyprus

•Xylene (1330-20-7): **Skin:** (Skin-potential for cutaneous absorption)

Germany TRGS

•Xylene (1330-20-7): **Skin:** (skin notation (all isomers))

Germany DFG

- •Xylene (1330-20-7): Pregnancy: (classification not yet possible (all isomers)) | Skin: (skin notation (all isomers))
- •Titanium dioxide (13463-67-7): **Carcinogens**: (Category 3A (could be carcinogenic for man, inhalable fraction with the exception of ultra small particles))

8.2 Exposure controls

Engineering Measures/Controls

This adhesive is designed to be used outdoors, in roofing applications. 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 or European Standard EN 149 approved respirator if exposure limits are exceeded or symptoms are experienced.

Eye/Face

Skin/Body

Wear safety goggles.

Wear appropriate chemical resistant clothing. Wear appropriate gloves.

Environmental Exposure Controls

 In case of spills, keep product clear of sewers, waterways or land areas. Dispose of waste product in accordance with national and local laws and regulations.

Key to abbreviations

ACGIH = American Conference of Governmental Industrial Hygiene STEL = Short Term Exposure Limits are based on 15-minute exposures

MAK = Maximale Arbeitsplatz Konzentration is the maximum permissible concentration STEV = Short Term Exposure Value

NIOSH = National Institute of Occupational Safety and Health

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

OSHA = Occupational Safety and Health Administration TWAEV = Time-Weighted Average Exposure Value

Section 9 - Physical and Chemical Properties

9.1 Information on Physical and Chemical Properties

Material Description							
Physical Form	Liquid	Appearance/Description	White, gray or tan viscous liquid with a characteristic odor.				
Color	White, gray or tan.	Odor	Characteristic				
Odor Threshold	Data lacking						
General Properties							
Boiling Point	139 C(282.2 F)	Melting Point	Data lacking				
Decomposition Temperature	Data lacking	рН	Data lacking				
Specific Gravity/Relative Density	1.35 Water=1	Density	11.2 lbs/gal				
Water Solubility	Immiscible	Viscosity	Data lacking				
Explosive Properties	Data lacking	Oxidizing Properties:	Data lacking				
Volatility		•	·				
Vapor Pressure	Data lacking	Vapor Density	Data lacking				
Evaporation Rate	Data lacking	VOC (Wt.)	0.4 lbs/gal				
Flammability							
Flash Point	47 C(116.6 F)	UEL	Data lacking				
LEL	Data lacking	Autoignition	Data lacking				
Flammability (solid, gas)	Not relevant.						
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

Strong oxidizers, acids, and bases.

10.6 Hazardous decomposition products

Carbon monoxide, carbon dioxide, nitrogen oxides.

Section 11 - Toxicological Information

11.1 Information on toxicological effects

	Components				
1-Chloro-4- (trifluoromethyl) benzene (50% TO 100%)	98-56- 6	Acute Toxicity: Ingestion/Oral-Rat LD50 • 13 g/kg; Inhalation-Rat LC50 • 22 g/m³; Multi-dose Toxicity: Inhalation-Rat TCLo • 500 ppm 6 Hour(s) 4 Week(s)-Intermittent; Blood:Changes in serum composition (e.g., TP, bilirubin cholesterol); Nutritional and Gross Metabolic:Changes in Chemistry or Temperature:Ca; Biochemical:Metabolism (intermediary):Other proteins			
Xylene (2.5% TO 10%)	1330- 20-7	Acute Toxicity: Ingestion/Oral-Rat LD50 • 4300 mg/kg; Liver:Other changes; Kidney, Ureter, and Bladder:Other changes; Inhalation-Rat LC50 • 5000 ppm 4 Hour(s); Skin-Rabbit LD50 • >1700 mg/kg; Irritation: Eye-Rabbit • 5 mg 24 Hour(s) • Severe irritation; Skin-Rabbit • 100 % • Moderate irritation; Reproductive: Inhalation-Rat TCLo • 50 mg/m³ 6 Hour(s)(1-21D preg); Reproductive Effects:Specific Developmental Abnormalities:Musculoskeletal system; Reproductive Effects:Specific Developmental Abnormalities:Other developmental abnormalities; Reproductive Effects:Effects on Newborn:Growth statistics (e.g., reduced weight gain)			
Titanium dioxide (<= 2.5%)	13463- 67-7	Irritation: Skin-Human • 300 μg 3 Day(s)-Intermittent • Mild irritation; Tumorigen / Carcinogen: Inhalation-Rat TCLo • 250 mg/m³ 6 Hour(s) 2 Year(s)-Intermittent; Tumorigenic:Carcinogenic by RTECS criteria; Lungs, Thorax, or Respiration:Tumors			

GHS Properties	Classification
Acute toxicity	EU/CLP • Data lacking OSHA HCS 2012 • Data lacking
Aspiration Hazard	EU/CLP • Data lacking OSHA HCS 2012 • Data lacking
Carcinogenicity	EU/CLP • Data lacking OSHA HCS 2012 • Data lacking
Germ Cell Mutagenicity	EU/CLP • Data lacking OSHA HCS 2012 • Data lacking
Skin corrosion/Irritation	EU/CLP • Skin Irritation 2 OSHA HCS 2012 • Skin Irritation 2
Skin sensitization	EU/CLP • Data lacking OSHA HCS 2012 • Data lacking
STOT-RE	EU/CLP • Data lacking OSHA HCS 2012 • Data lacking
STOT-SE	EU/CLP • Data lacking OSHA HCS 2012 • Data lacking
Toxicity for Reproduction	EU/CLP • Toxic to Reproduction 2 OSHA HCS 2012 • Toxic to Reproduction 2
Respiratory sensitization	EU/CLP • Data lacking OSHA HCS 2012 • Data lacking
Serious eye damage/Irritation	EU/CLP • Eye Irritation 2 OSHA HCS 2012 • Eye Irritation 2A

Route(s) of entry/exposure Potential Health Effects

• Inhalation, Skin, Eye, Ingestion

Inhalation
Acute (Immediate)

No data available

Chronic (Delayed)

No data available

Skin

Acute (Immediate)

Causes skin irritation.

Chronic (Delayed)

Acute (Immediate)

Chronic (Delayed)

No data available.

Causes serious eye irritation.

No data available.

Ingestion

Acute (Immediate)

Chronic (Delayed)
Carcinogenic Effects

No harmful effects expected in amounts likely to be ingested by accident.

No data available.

 Although this material contains titanium dioxide, which may be a carciongen, due to the physical form of this material, it is unlikely that exposure to titanium dioxide will occur while using this material under normal conditions.

Carcinogenic Effects				
	CAS	IARC		
Titanium dioxide	13463-67-7	Group 2B-Possible Carcinogen		

Reproductive Effects

 May cause adverse reproductive effects - such as birth defects, miscarriages or infertility based on animal data.

Key to abbreviations

LC = Lethal Concentration

LD = Lethal Dose

TC = Toxic Concentration

Section 12 - Ecological Information

12.1 Toxicity

Not expected to be harmful to aquatic organisms.

12.2 Persistence and degradability

No information available for the product.

12.3 Bioaccumulative potential

No information available for the product.

12.4 Mobility in Soil

No information available for the product.

12.5 Results of PBT and vPvB assessment

PBT and vPvB assessment has not been carried out.

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

Containers, even those that have been emptied, can contain explosive vapors. 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	UN1133	Adhesives	NDA	III	NDA
TDG	UN1133	ADHESIVES	NDA	III	NDA
IMO/IMDG	UN1133	ADHESIVES	NDA	III	NDA
ADN	UN1133	ADHESIVES	NDA	III	NDA
ADR/RID	UN1133	ADHESIVES	NDA	III	NDA
IATA/ICAO	UN1133	Adhesives	NDA	III	NDA

14.6 Special precautions for • None specified.

- 14.7 Transport in bulk according to Annex II of MARPOL 73/78 and the IBC Code
- Data lacking.

Section 15 - Regulatory Information

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

SARA Hazard Classifications • Fire, Acute, Chronic

State Right To Know						
Component	CAS	MA	NJ	PA		
1-Chloro-4- (trifluoromethyl) benzene	98-56-6	No	No	No		
Titanium dioxide	13463-67-7	Yes	Yes	Yes		
Xylene	1330-20-7	Yes	Yes	Yes		

	Inventory								
Component	CAS	Canada D	SL Canada	NDSL Chi	ina EU EI	NECS I	EU ELNICS		
1-Chloro-4- (trifluoromethyl) benzene	98-56-6	Yes	N	o Ye	es Ye	es	No		
Titanium dioxide	13463-67	-7 Yes	N	o Ye	es Ye	es	No		
Xylene	1330-20-7	7 Yes	N	O Y6	es Ye	es	No		
			Invent	ory (Con't.)					
Component		CAS	Japan ENCS	Kor	rea KECL	TSCA			
1-Chloro-4- (trifluoromethyl) 98-56-6 benzene		8-56-6	Yes		Yes	Yes			
Titanium dioxide	1;	3463-67-7	Yes		Yes	Yes			
Xylene	1:	330-20-7	Yes		Yes	Yes			

Australia

1-Chloro-4-(trifluoromethyl) benzene	98-56-6	Not Listed
Titanium dioxide	13463-67-7	Not Listed
• Xylene	1330-20-7	Not Listed
Australia - High Volume Industrial Chemicals List		
1-Chloro-4-(trifluoromethyl) benzene	98-56-6	Not Listed
Titanium dioxide	13463-67-7	
• Xylene	1330-20-7	
Australia - List of Designated Hazardous Substances - Classification		
1-Chloro-4-(trifluoromethyl) benzene	98-56-6	Not Listed
Titanium dioxide	13463-67-7	Not Listed
Xylene	1330-20-7	Xn, Xi R10, R20/21, R38

Environment Australia - National Pollutant Inventory (NPI) Substance List		
• 1-Chloro-4-(trifluoromethyl) benzene	98-56-6	Not Listed
Titanium dioxide	13463-67-7	Not Listed
		10 tonne/yr Threshold
• Xylene	1330-20-7	category 1 (including individual or mixed isomers)
Australia - Ozone Protection Act - Scheduled Substances		
1-Chloro-4-(trifluoromethyl) benzene	98-56-6	Not Listed
Titanium dioxide	13463-67-7	Not Listed
• Xylene	1330-20-7	Not Listed
Australia - Priority Existing Chemical Program		
• 1-Chloro-4-(trifluoromethyl) benzene	98-56-6	Not Listed
Titanium dioxide	13463-67-7	Not Listed
Xylene	1330-20-7	Candidate chemical

Belgium

Labor Belgium - Substances and Preparations - Carcinogens and Mutagens			
• 1-Chloro-4-(trifluoromethyl) benzene	98-56-6	Not Listed	
Titanium dioxide	13463-67-7	Not Listed	
Xylene	1330-20-7	Not Listed	

Bulgaria

1-Chloro-4-(trifluoromethyl) benzene	98-56-6	Not Listed
Titanium dioxide	13463-67-7	Not Listed
• Xylene	1330-20-7	0.1 mg/m3 MAHCL
Duiyana - Ali Quanty - Waxiillulii Aulili55ible Hazaruou5 Co	intammant Leveis - 30 Milliute	
,	98-56-6	Not Listed
Bulgaria - Air Quality - Maximum Admissible Hazardous Co • 1-Chloro-4-(trifluoromethyl) benzene • Titanium dioxide		Not Listed Not Listed

Bulgaria - Air Qualit	v - Maximum Admissible Hazardous Contaminant Levels - Annual
-----------------------	--

• 1-Chloro-4-(trifluoromethyl) benzene	98-56-6	Not Listed
Titanium dioxide	13463-67-7	Not Listed
• Xylene	1330-20-7	Not Listed

Canada

1-Chloro-4-(trifluoromethyl) benzene	98-56-6	Not Listed
• Titanium dioxide	13463-67-7	D2A (In certain cases, this classification does not apply. For more information, consult the section Substance Specif Issues - Titanium dioxide, mixture containing on Health Canada's WHMIS Division website.)
• Xylene	1330-20-7	B2, D2A, D2B
Canada - WHMIS - Ingredient Disclosure List		
1-Chloro-4-(trifluoromethyl) benzene	98-56-6	Not Listed
Titanium dioxide	13463-67-7	Not Listed
Xylene	1330-20-7	Not Listed

Environment -

Canada - CEPA - Priority Substances List		
• 1-Chloro-4-(trifluoromethyl) benzene	98-56-6	Not Listed
Titanium dioxide	13463-67-7	Not Listed
• Xylene	1330-20-7	Priority Substance List 1 (substance not considered toxic)

China

Other

China - Annex I & II - Controlled Chemicals Lists		
• 1-Chloro-4-(trifluoromethyl) benzene	98-56-6	Not Listed
Titanium dioxide	13463-67-7	Not Listed
Xylene	1330-20-7	Not Listed

Denmark

Environment Denmark - List of Undesirable Substances - Product Groups/Function

Definition - List of offices flable substances - Froduct Groups/Function			
• 1-Chloro-4-(trifluoromethyl) benzene	98-56-6	Not Listed	
Titanium dioxide	13463-67-7	Not Listed	
Xylene	1330-20-7	Not Listed	

Europe

Other

EU - CLP (1272/2008) - Annex VI - Table 3.2 - Classification			
• 1-Chloro-4-(trifluoromethyl) benzene	98-56-6	Not Listed	
Titanium dioxide	13463-67-7	Not Listed	
• Xylene	1330-20-7	R10 Xn; R20/21 Xi; R38	

EU - CLP (1272/2008) - Annex VI - Table 3.2 - Concentration Limits		
• 1-Chloro-4-(trifluoromethyl) benzene	98-56-6	Not Listed
Titanium dioxide	13463-67-7	Not Listed
• Xylene	1330-20-7	12.5%<=C: Xn; R:20/21
EU - CLP (1272/2008) - Annex VI - Table 3.2 - Labelling		
• 1-Chloro-4-(trifluoromethyl) benzene	98-56-6	Not Listed
Titanium dioxide	13463-67-7	Not Listed
• Xylene	1330-20-7	Xn R:10-20/21-38 S:(2)-25
EU - CLP (1272/2008) - Annex VI - Table 3.2 - Notes - Substances and Preparations		
• 1-Chloro-4-(trifluoromethyl) benzene	98-56-6	Not Listed
Titanium dioxide	13463-67-7	Not Listed
• Xylene	1330-20-7	С
EU - CLP (1272/2008) - Annex VI - Table 3.2 - Safety Phrases		
• 1-Chloro-4-(trifluoromethyl) benzene	98-56-6	Not Listed
Titanium dioxide	13463-67-7	Not Listed
• Xylene	1330-20-7	S:(2)-25

Germany

Germany - Immission Control - Qualifying Quantities for Major Accident Prevention 1-Chloro-4-(trifiluoromethyl) benzene 98-56-6 Not Listed Xylene 1330-20-7 Not Listed Xylene 98-56-6 Not Listed Xylene 98-56-6 Not Listed Not Listed Titanium dioxide 1-Chloro-4-(trifiluoromethyl) benzene 98-56-6 Not Listed Titanium dioxide 13463-67-7 Not Listed Titanium dioxide Xylene 98-56-6 Not Listed Titanium dioxide 1330-20-7 Not Listed Titanium dioxide 13463-67-7 Not Listed Titanium dioxide 13463-67-7 Not Listed Titanium dioxide 1330-20-7 Not Listed Titanium dioxide 1330-20-7 Not Listed Titanium dioxide 1-Chloro-4-(trifiluoromethyl) benzene 98-56-6 Not Listed Titanium dioxide 1-Chloro-4-(trifiluoromethyl) benzene 98-56-6 Not Listed Titanium dioxide 13463-67-7 Not Listed	Labor					
Titanium dioxide Xylene 13463-67-7 Not Listed Regrmany - Immission Control - Qualifying Quantities for Safety Reporting 1-Chloro-4-(trifluoromethyl) benzene 98-56-6 Not Listed Titanium dioxide Titanium dioxide Xylene 98-56-6 Not Listed Tritanium dioxide Xylene 98-56-6 Not Listed Regrmany - TRGS 505 - Specific Lead Regulations 1-Chloro-4-(trifluoromethyl) benzene 1330-20-7 Not Listed Titanium dioxide Titanium dioxide Titanium dioxide Tritanium di	· · · · · · · · · · · · · · · · · · ·		Naci Carad			
• Xylene 1330-20-7 Not Listed Germany - Immission Control - Qualifying Quantities for Safety Reporting • 1-Chloro-4-(trifluoromethyl) benzene 98-56-6 Not Listed • Titanium dioxide 13463-67-7 Not Listed • Xylene 1330-20-7 Not Listed Germany - TRGS 505 - Specific Lead Regulations • 1-Chloro-4-(trifluoromethyl) benzene 98-56-6 Not Listed • Titanium dioxide 13463-67-7 Not Listed • Xylene 1330-20-7 Not Listed Germany - TRGS 511 - Specific Ammonium Nitrate Regulations • 1-Chloro-4-(trifluoromethyl) benzene 98-56-6 Not Listed • Titanium dioxide 13463-67-7 Not Listed • Xylene 1330-20-7 Not Listed Environment Germany - TA Luft - Types and Classes • 1-Chloro-4-(trifluoromethyl) benzene 98-56-6 Not Listed • Titanium dioxide 13463-67-7 Not Listed • Titanium dioxide 13463-67-7 Not Listed • Titanium dioxide 1330-20-7 Not Listed • Titanium dioxide 1330-20-7 Not Listed • Titanium dioxide 13463-67-7 Not Listed	· · · · · · · · · · · · · · · · · · ·					
Germany - Immission Control - Qualifying Quantities for Safety Reporting • 1-Chloro-4-(trifluoromethyl) benzene • 13463-67-7 Not Listed • Xylene Germany - TRGS 505 - Specific Lead Regulations • 1-Chloro-4-(trifluoromethyl) benzene • 130-20-7 Not Listed Germany - TRGS 505 - Specific Lead Regulations • 1-Chloro-4-(trifluoromethyl) benzene • 1330-20-7 Not Listed • Xylene Germany - TRGS 511 - Specific Ammonium Nitrate Regulations • 1-Chloro-4-(trifluoromethyl) benzene • 130-20-7 Not Listed • Xylene Servironment Germany - TA Luft - Types and Classes • 1-Chloro-4-(trifluoromethyl) benzene • 1330-20-7 Not Listed • Titanium dioxide • 13463-67-7 Not Listed • Titanium dioxide • 1330-20-7 Not Listed • Titanium dioxide • 13463-67-7 Not Listed • Titanium dioxide • 1330-20-7 Not Listed • Titanium dioxide • 1330-20-7 Not Listed • Titanium dioxide • 13463-67-7 Not Listed • Titanium dioxide • 13463-67-7 Not Listed • Titanium dioxide • 13463-67-7 Not Listed • Titanium dioxide	Titanium dioxide					
1-Chloro-4-(trifluoromethyl) benzene 7-Trainium dioxide	Xylene	1330-20-7	Not Listed			
• Titanium dioxide • Xylene 13463-67-7 Not Listed • Xylene Germany - TRGS 505 - Specific Lead Regulations • 1-Chloro-4-(trifluoromethyl) benzene • Xylene Germany - TRGS 511 - Specific Ammonium Nitrate Regulations • 1-Chloro-4-(trifluoromethyl) benzene • Xylene Germany - TRGS 511 - Specific Ammonium Nitrate Regulations • 1-Chloro-4-(trifluoromethyl) benzene • Xylene Titanium dioxide • Xylene Servironment Germany - TA Luft - Types and Classes • 1-Chloro-4-(trifluoromethyl) benzene • Xylene Servironment Germany - TA Luft - Types and Classes • 1-Chloro-4-(trifluoromethyl) benzene • Xylene Servironment Germany - TA Luft - Types and Classes • 1-Chloro-4-(trifluoromethyl) benzene • Xylene Servironment • Titanium dioxide • Xylene Servironment • Servironmen	Germany - Immission Control - Qualifying Quantities for Safety Reporting					
• Xylene 1330-20-7 Not Listed Germany - TRGS 505 - Specific Lead Regulations • 1-Chloro-4-(trifluoromethyl) benzene 98-56-6 Not Listed • Titanium dioxide 13463-67-7 Not Listed • Xylene 1330-20-7 Not Listed • Xylene 98-56-6 Not Listed • Titanium dioxide 98-56-6 Not Listed • Titanium dioxide 13463-67-7 Not Listed • Titanium dioxide 13463-67-7 Not Listed • Xylene 1330-20-7 Not Listed • Titanium dioxide 13463-67-7 Not Listed • Titanium dioxide 98-56-6 Not Listed • Titanium dioxide 13463-67-7 Not Listed	• 1-Chloro-4-(trifluoromethyl) benzene	98-56-6	Not Listed			
Germany - TRGS 505 - Specific Lead Regulations • 1-Chloro-4-(trifluoromethyl) benzene • Titanium dioxide • Xylene Germany - TRGS 511 - Specific Ammonium Nitrate Regulations • 1-Chloro-4-(trifluoromethyl) benzene • 1-Chloro-4-(trifluoromethyl) benzene • Titanium dioxide • Xylene Environment Germany - TA Luft - Types and Classes • 1-Chloro-4-(trifluoromethyl) benzene • Titanium dioxide • Not Listed • Not Listed • Titanium dioxide • Not Listed	Titanium dioxide	13463-67-7	Not Listed			
 1-Chloro-4-(trifluoromethyl) benzene Titanium dioxide Xylene 130-20-7 Not Listed Xylene 1330-20-7 Not Listed Mot Listed Titanium dioxide Titanium dioxide Titanium dioxide Xylene 1330-20-7 Not Listed Titanium dioxide 1330-20-7 Not Listed Not Listed Titanium dioxide Tot Listed Titanium dioxide Titanium dioxide Tot Listed Titanium dioxide Tot Listed Titanium dioxide Tot Listed Titanium dioxide Tot Listed Tot Listed 	• Xylene	1330-20-7	Not Listed			
 Titanium dioxide Xylene 13463-67-7 Not Listed Xylene 1330-20-7 Not Listed Hot Listed Titanium dioxide Titanium dioxide Xylene 13463-67-7 Not Listed Titanium dioxide Xylene 1330-20-7 Not Listed Titanium dioxide Xylene Environment Germany - TA Luft - Types and Classes 1-Chloro-4-(trifluoromethyl) benzene Titanium dioxide Xylene 13463-67-7 Not Listed Xylene Tayloro-4-(trifluoromethyl) benzene Xylene Tayloro-4-(trifluoromethyl) benzene Xylene Titanium dioxide Titanium dioxide 13463-67-7 Not Listed Titanium dioxide 	Germany - TRGS 505 - Specific Lead Regulations					
• Xylene 1330-20-7 Not Listed Germany - TRGS 511 - Specific Ammonium Nitrate Regulations • 1-Chloro-4-(trifluoromethyl) benzene 98-56-6 Not Listed • Titanium dioxide 13463-67-7 Not Listed • Xylene 1330-20-7 Not Listed Environment Germany - TA Luft - Types and Classes • 1-Chloro-4-(trifluoromethyl) benzene 98-56-6 Not Listed • Titanium dioxide 13463-67-7 Not Listed • Xylene 1330-20-7 Not Listed • Xylene 98-56-6 Not Listed • Titanium dioxide 1330-20-7 Not Listed • Xylene 98-56-6 Not Listed • Titanium dioxide 13463-67-7 Not Listed • Titanium dioxide 13463-67-7 Not Listed	• 1-Chloro-4-(trifluoromethyl) benzene	98-56-6	Not Listed			
Germany - TRGS 511 - Specific Ammonium Nitrate Regulations • 1-Chloro-4-(trifluoromethyl) benzene • Titanium dioxide • Xylene Environment Germany - TA Luft - Types and Classes • 1-Chloro-4-(trifluoromethyl) benzene • Titanium dioxide • Titanium dioxide • Titanium dioxide • Titanium dioxide • Xylene Germany - TA Luft - Emission Limits for Carcinogenic Substances • 1-Chloro-4-(trifluoromethyl) benzene • 1-Chloro-5-(trifluoromethyl) benzene • 1-Chloro-6-(trifluoromethyl) benzene	Titanium dioxide	13463-67-7	Not Listed			
 1-Chloro-4-(trifluoromethyl) benzene Titanium dioxide Xylene 13463-67-7 Not Listed 1330-20-7 Not Listed Environment Germany - TA Luft - Types and Classes 1-Chloro-4-(trifluoromethyl) benzene Xylene 13463-67-7 Not Listed Titanium dioxide Xylene 1330-20-7 Not Listed Germany - TA Luft - Emission Limits for Carcinogenic Substances 1-Chloro-4-(trifluoromethyl) benzene 13463-67-7 Not Listed Fitanium dioxide 13463-67-7 Not Listed 13463-67-7 Not Listed 	• Xylene	1330-20-7	Not Listed			
 1-Chloro-4-(trifluoromethyl) benzene Titanium dioxide Xylene 13463-67-7 Not Listed 1330-20-7 Not Listed Environment Germany - TA Luft - Types and Classes 1-Chloro-4-(trifluoromethyl) benzene Xylene 13463-67-7 Not Listed Titanium dioxide Xylene 1330-20-7 Not Listed Germany - TA Luft - Emission Limits for Carcinogenic Substances 1-Chloro-4-(trifluoromethyl) benzene 13463-67-7 Not Listed Fitanium dioxide 13463-67-7 Not Listed 13463-67-7 Not Listed 	Germany - TRGS 511 - Specific Ammonium Nitrate Regulations					
Not Listed Environment Germany - TA Luft - Types and Classes 1-Chloro-4-(trifluoromethyl) benzene Not Listed 1330-20-7 Not Listed 13463-67-7 Not Listed 1330-20-7 Not Listed 1330-20-7 Not Listed Germany - TA Luft - Emission Limits for Carcinogenic Substances 1-Chloro-4-(trifluoromethyl) benzene 13463-67-7 Not Listed 13463-67-7 Not Listed		98-56-6	Not Listed			
Environment Germany - TA Luft - Types and Classes • 1-Chloro-4-(trifluoromethyl) benzene • Titanium dioxide • Xylene Germany - TA Luft - Emission Limits for Carcinogenic Substances • 1-Chloro-4-(trifluoromethyl) benzene • Titanium dioxide 98-56-6 Not Listed Not Listed	Titanium dioxide	13463-67-7	Not Listed			
Germany - TA Luft - Types and Classes • 1-Chloro-4-(trifluoromethyl) benzene • Titanium dioxide • Xylene Germany - TA Luft - Emission Limits for Carcinogenic Substances • 1-Chloro-4-(trifluoromethyl) benzene • Titanium dioxide 98-56-6 Not Listed Not Listed	• Xylene	1330-20-7	Not Listed			
 1-Chloro-4-(trifluoromethyl) benzene Titanium dioxide Xylene 13463-67-7 Not Listed Xylene 1330-20-7 Not Listed Hot Listed Not Listed Not Listed Not Listed 1-Chloro-4-(trifluoromethyl) benzene Titanium dioxide 98-56-6 Not Listed 13463-67-7 Not Listed 	Environment —					
 Titanium dioxide Xylene 13463-67-7 Not Listed Not Listed Not Listed Hot Listed Not Listed Not Listed 1-Chloro-4-(trifluoromethyl) benzene Titanium dioxide 13463-67-7 Not Listed Not Listed Not Listed 	Germany - TA Luft - Types and Classes					
 Xylene 1330-20-7 Not Listed Germany - TA Luft - Emission Limits for Carcinogenic Substances 1-Chloro-4-(trifluoromethyl) benzene Titanium dioxide 13463-67-7 Not Listed 	• 1-Chloro-4-(trifluoromethyl) benzene	98-56-6	Not Listed			
Germany - TA Luft - Emission Limits for Carcinogenic Substances • 1-Chloro-4-(trifluoromethyl) benzene • Titanium dioxide 98-56-6 Not Listed 13463-67-7 Not Listed	Titanium dioxide	13463-67-7	Not Listed			
 1-Chloro-4-(trifluoromethyl) benzene Titanium dioxide 98-56-6 Not Listed Not Listed 	• Xylene	1330-20-7	Not Listed			
• Titanium dioxide 13463-67-7 Not Listed	Germany - TA Luft - Emission Limits for Carcinogenic Substances					
	• 1-Chloro-4-(trifluoromethyl) benzene	98-56-6	Not Listed			
Xylene	Titanium dioxide	13463-67-7	Not Listed			
	• Xylene	1330-20-7	Not Listed			

Preparation Date: 29/August/2011 Revision Date: 15/October/2014

Germany - TA Luft - Emission Limits for Fibers

• 1-Chloro-4-(trifluoromethyl) benzene	98-56-6	Not Listed
Titanium dioxide Videna	13463-67-7	Not Listed
Xylene	1330-20-7	Not Listed
Germany - TA Luft - Emission Limits for Inorganic Dusts		
• 1-Chloro-4-(trifluoromethyl) benzene	98-56-6	Not Listed
Titanium dioxide	13463-67-7	Not Listed
Xylene	1330-20-7	Not Listed
Germany - TA Luft - Emission Limits for Inorganic Gases		
• 1-Chloro-4-(trifluoromethyl) benzene	98-56-6	Not Listed
Titanium dioxide	13463-67-7	Not Listed
• Xylene	1330-20-7	Not Listed
Germany - TA Luft - Emission Limits for Organic Substances		
• 1-Chloro-4-(trifluoromethyl) benzene	98-56-6	Not Listed
Titanium dioxide	13463-67-7	Not Listed
• Xylene	1330-20-7	Not Listed
Germany - Water Classification (VwVwS) - Annex 1		
• 1-Chloro-4-(trifluoromethyl) benzene	98-56-6	Not Listed
		ID Number 1345, not
Titanium dioxide	13463-67-7	considered hazardous to water
Xylene	1330-20-7	Not Listed
Germany - Water Classification (VwVwS) - Annex 2 - Water Hazard Classes	;	
• 1-Chloro-4-(trifluoromethyl) benzene	98-56-6	ID Number 1112, hazard class 2 - hazard to waters
Titanium dioxide	13463-67-7	Not Listed
Xylene	1330-20-7	ID Number 206, hazard class a hazard to waters
Germany - Water Classification (VwVwS) - Annex 3		
• 1-Chloro-4-(trifluoromethyl) benzene	98-56-6	Not Listed
Titanium dioxide	13463-67-7	Not Listed
• Xylene	1330-20-7	Not Listed

United States

1-Chloro-4-(trifluoromethyl) benzene	98-56-6	Not Listed
Titanium dioxide	13463-67-7	Not Listed
• Xylene	1330-20-7	Not Listed
S OSHA - Specifically Regulated Chemicals		
1-Chloro-4-(trifluoromethyl) benzene	98-56-6	Not Listed
Titanium dioxide	13463-67-7	Not Listed
• Xylene	1330-20-7	Not Listed

U.S CAA (Clean Air Act) - 1990 Hazardous Air Pollutants			
• 1-Chloro-4-(trifluoromethyl) benzene	98-56-6	Not Listed	
Titanium dioxide	13463-67-7	Not Listed	

• Xylene	1330-20-7	(isomers and mixtures)
U.S CERCLA/SARA - Hazardous Substances and their Reportable Quantities		
• 1-Chloro-4-(trifluoromethyl) benzene	98-56-6	Not Listed
Titanium dioxide	13463-67-7	Not Listed
V. L	4000 00 7	100 lb final RQ; 45.4 kg final
Xylene	1330-20-7	RQ
U.S CERCLA/SARA - Radionuclides and Their Reportable Quantities		
• 1-Chloro-4-(trifluoromethyl) benzene	98-56-6	Not Listed
Titanium dioxide	13463-67-7	Not Listed
• Xylene	1330-20-7	Not Listed
U.S CERCLA/SARA - Section 302 Extremely Hazardous Substances EPCRA RQs	S	
1-Chloro-4-(trifluoromethyl) benzene	98-56-6	Not Listed
Titanium dioxide	13463-67-7	Not Listed
Xylene	1330-20-7	Not Listed
U.S CERCLA/SARA - Section 302 Extremely Hazardous Substances TPQs		
• 1-Chloro-4-(trifluoromethyl) benzene	98-56-6	Not Listed
Titanium dioxide	13463-67-7	Not Listed
• Xylene	1330-20-7	Not Listed
Aylono	1000 20 1	Not Elotod
U.S CERCLA/SARA - Section 313 - Emission Reporting		
• 1-Chloro-4-(trifluoromethyl) benzene	98-56-6	Not Listed
Titanium dioxide	13463-67-7	Not Listed
• Xylene	1330-20-7	1.0 % de minimis concentration
U.S CERCLA/SARA - Section 313 - PBT Chemical Listing		
• 1-Chloro-4-(trifluoromethyl) benzene	98-56-6	Not Listed
Titanium dioxide	13463-67-7	Not Listed
Xylene	1330-20-7	Not Listed
U.S RCRA (Resource Conservation & Recovery Act) - Basis for Listing - Apper	ndiv VII	
• 1-Chloro-4-(trifluoromethyl) benzene	98-56-6	Not Listed
Titanium dioxide	13463-67-7	Not Listed
		Included in waste stream:
Xylene	1330-20-7	F039
U.S RCRA (Resource Conservation & Recovery Act) - Constituents for Detecti	ion Monitorina	
1-Chloro-4-(trifluoromethyl) benzene	98-56-6	Not Listed
Titanium dioxide	13463-67-7	Not Listed
• Xylene	1330-20-7	1101 210104
U.S RCRA (Resource Conservation & Recovery Act) - List for Hazardous Cons	stituents	
	98-56-6	Not Listed
• 1-Chloro-4-(trifluoromethyl) benzene		Not Listed
1-Chloro-4-(trifluoromethyl) benzene Titanium dioxide	13463-67-7	
1-Chloro-4-(trifluoromethyl) benzeneTitanium dioxideXylene	13463-67-7 1330-20-7	Not Listed
Titanium dioxideXylene	1330-20-7	
 Titanium dioxide Xylene U.S RCRA (Resource Conservation & Recovery Act) - Phase 4 LDR Rule - University 	1330-20-7 ersal Treatment S	tandards
 Titanium dioxide Xylene U.S RCRA (Resource Conservation & Recovery Act) - Phase 4 LDR Rule - University 1-Chloro-4-(trifluoromethyl) benzene 	1330-20-7 ersal Treatment S 98-56-6	tandards Not Listed
 Titanium dioxide Xylene U.S RCRA (Resource Conservation & Recovery Act) - Phase 4 LDR Rule - University 	1330-20-7 ersal Treatment S	tandards

U.S RCRA (Resource Conservation & Recovery Act) - TSD Facilities Gr	ound Water Monitoring	
• 1-Chloro-4-(trifluoromethyl) benzene	98-56-6	Not Listed
Titanium dioxide	13463-67-7	Not Listed
Xylene	1330-20-7	(total)
U.S RCRA (Resource Conservation & Recovery Act) - U Series Wastes Characteristics • 1-Chloro-4-(trifluoromethyl) benzene	98-56-6	Not Listed
1-Chloro-4-(trifluoromethyl) benzene Titanium dioxide	98-56-6 13463-67-7	Not Listed Not Listed
- Halliall dioxide	13403-01-1	
		waste number U239 (Ignitable

United States - California

J.S California - Proposition 65 - Carcinogens List	00 50 0	Not Listad
1-Chloro-4-(trifluoromethyl) benzene	98-56-6	Not Listed
Titanium dioxide	13463-67-7	carcinogen, initial date 9/2/11 (airborne, unbound particles respirable size)
• Xylene	1330-20-7	Not Listed
J.S California - Proposition 65 - Developmental Toxicity		
1-Chloro-4-(trifluoromethyl) benzene	98-56-6	Not Listed
Titanium dioxide	13463-67-7	Not Listed
• Xylene	1330-20-7	Not Listed
J.S California - Proposition 65 - Maximum Allowable Dose Levels (MADL)		
1-Chloro-4-(trifluoromethyl) benzene	98-56-6	Not Listed
Titanium dioxide	13463-67-7	Not Listed
• Xylene	1330-20-7	Not Listed
J.S California - Proposition 65 - No Significant Risk Levels (NSRL)		
1-Chloro-4-(trifluoromethyl) benzene	98-56-6	Not Listed
Titanium dioxide	13463-67-7	Not Listed
• Xylene	1330-20-7	Not Listed
J.S California - Proposition 65 - Reproductive Toxicity - Female		
1-Chloro-4-(trifluoromethyl) benzene	98-56-6	Not Listed
Titanium dioxide	13463-67-7	Not Listed
• Xylene	1330-20-7	Not Listed
J.S California - Proposition 65 - Reproductive Toxicity - Male		
1-Chloro-4-(trifluoromethyl) benzene	98-56-6	Not Listed
Titanium dioxide	13463-67-7	Not Listed
• Xylene	1330-20-7	Not Listed

United States - Pennsylvania

J.S Pennsylvania - RTK (Right to Know) - Environmental Hazard Lis	t	
1-Chloro-4-(trifluoromethyl) benzene	98-56-6	Not Listed
Titanium dioxide	13463-67-7	Not Listed
Xylene	1330-20-7	

• 1-Chloro-4-(trifluoromethyl) benzene

• Titanium dioxide

Xylene

98-56-6 Not Listed 13463-67-7 Not Listed 1330-20-7 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.

Section 16 - Other Information

Relevant Phrases (code & full text)

H225 - Highly flammable liquid and vapour

H312 - Harmful in contact with skin

H332 - Harmful if inhaled

H351 - Suspected of causing cancer.

R20/21 - Harmful by inhalation and in contact with skin.

R38 - Irritating to skin.

R40 - Limited evidence of a carcinogenic effect.

Last Revision Date Preparation Date

Disclaimer/Statement of Liability

15/October/2014

29/August/2011

• 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 abbreviationsNDA = No data available