


SECTION 1: PRODUCT & COMPANY INFORMATION	
Supplier / Manufacturer: Huntsman Building Solutions 870 Curé-Boivin, Boisbriand, QC, Canada. J7G 2A7 Tel: 450-437-0123 Toll free: 1-866-437-0223 E-mail: <a href="mailto:infoCanada@huntsmanbuilds.com">infoCanada@huntsmanbuilds.com</a> Website: <a href="http://www.huntsmanbuildingsolutions.ca">www.huntsmanbuildingsolutions.ca</a>	GHS Product Identifier: Geolift B-side Chemical Name: Polyurethane Resin / B-side Product Type: Liquid Identified Use: Component B of a Spray-Applied Polyurethane System
Emergency Telephone in USA: CHEMTREC 800-424-9300. In Canada: CANUTEC 613-996-6666 or *666 (cellular).	

SECTION 2: HAZARDS IDENTIFICATION	
OSHA / HCS Status	This material is classified hazardous under OSHA Hazard Communication Standard (29 CFR 1910.1200).
Classification of the Substance or Mixture	Serious eye damage / eye irritation – Category 2A Acute toxicity, oral – Category 4 Acute toxicity, dermal – Category 5
GHS LABEL ELEMENTS INCLUDING PRECAUTIONARY STATEMENTS	
Hazard Pictograms	
Signal Word	Warning
Hazard Statements	H319 – Causes serious eye irritation. H302 – Harmful if swallowed. H313 – May be harmful in contact with skin.
PRECAUTIONARY STATEMENTS	
Prevention	P280 – Wear eye or face protection P264 – Wash hands thoroughly after handling. P270 – Do not eat, drink, or smoke when using this product.
Response	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 + 313 – If eye irritation persists: Get medical attention. P301 + P312 + P330 – If swallowed: Call a poison center or doctor/physician if you feel unwell. Rinse mouth.
Storage	Not applicable.
Disposal	Not applicable.
HAZARDS NOT OTHERWISE CLASSIFIED (HNOC)	
Physical Hazards Not Otherwise Classified (PHNOC)	None known.
Health Hazards Not Otherwise Classified (HHNOC)	None known.

SECTION 3: COMPOSITION / INFORMATION ON INGREDIENTS	
Substance / Mixture	Mixture
Chemical Name	Polyurethane Resin B-side
CAS NUMBER / OTHER IDENTIFIERS	
CAS Number	Not applicable.
Product Code	Not available.

INGREDIENTS	CAS #	%
1,1,1,3,3-Pentafluoropropane	460-73-1	≥5 - <10
Tris (2-chloro-1-methylethyl) Phosphate	13674-84-5	≥3 - <10
Trans-dichloroethylene	156-60-5	≥1 - <5
Methyldiethanolamine	105-59-9	≥1 - <5
Ethanediol	107-21-1	≥0.3 - <3
2,2-Oxibisethanol	111-46-6	≥0.3 - <3
N,N,N',N',N'',N''-Hexamethyl-1,3,5-triazine-1,3,5(2H,4H,6H)-tripropanamine	15875-13-5	≥0.3 - <3

Any concentration shown as a range is to protect confidentiality or is due to batch variation.  
There are no additional ingredients present which, within the current knowledge of the supplier and in the concentrations applicable, are classified as hazardous to health or the environment and hence require reporting in this section.  
Occupational exposure limits, if available, are listed in Section 8.

#### SECTION 4: FIRST AID MEASURES

##### DESCRIPTION OF NECESSARY FIRST AID MEASURES

Eye Contact	Immediately flush eyes with plenty of water, occasionally lifting the upper and lower eyelids. Check for and remove any contact lenses. Continue to rinse for at least 20 minutes. Get medical attention.
Inhalation	Remove victim to fresh air and keep at rest in a position comfortable for breathing. If not breathing, if breathing is irregular or if respiratory arrest occurs, provide artificial respiration or oxygen by trained personnel. Maintain an open airway. Get medical attention if symptoms occur.
Skin Contact	Flush contaminated skin with plenty of water. Get medical attention if symptoms occur. Wash clothing before reuse. Clean shoes thoroughly before reuse.
Ingestion	Wash out mouth with water. If material has been swallowed and the exposed person is conscious, give small quantities of water to drink. Do not induce vomiting unless directed to do so by medical personnel. Never give anything by mouth to an unconscious person. Get medical attention if symptoms occur.

##### MOST IMPORTANT SYMPTOMS / EFFECTS, ACUTE AND DELAYED

##### POTENTIAL ACUTE HEALTH EFFECTS

Eye Contact	Causes serious eye irritation.
Inhalation	Exposure to decomposition products may cause a health hazard. Serious effects may be delayed following exposure.
Skin Contact	May cause skin irritation.
Ingestion	Irritating to mouth, throat and stomach.

##### OVER-EXPOSURE SIGNS / SYMPTOMS

Eye Contact	Adverse symptoms may include the following: pain or irritation, watering, redness.
Inhalation	No known significant effects or critical hazards.
Skin Contact	No known significant effects or critical hazards.
Ingestion	No known significant effects or critical hazards.

##### INDICATION OF IMMEDIATE MEDICAL ATTENTION AND SPECIAL TREATMENT NEEDED, IF NECESSARY

Notes to Physician	In case of inhalation of decomposition products in a fire, symptoms may be delayed. The exposed person may need to be kept under medical surveillance for 48 hours.
Specific Treatments	No specific treatment.
Protection of First-aiders	No action shall be taken involving any personal risk or without suitable training. It may be dangerous to the person providing aid to give mouth-to-mouth resuscitation.
See toxicological information (Section 11)	

#### SECTION 5: FIRE FIGHTING MEASURES

Suitable Extinguishing Media	Use dry chemical, CO2, water spray (fog) or foam.
Unsuitable Extinguishing Media	None known.
Specific Hazards Arising from the Chemical	No specific fire or explosion hazard.
Hazardous Thermal Decomposition Products	Combustion products may include carbon monoxide, carbon dioxide, nitrogen oxides, halogenated compounds, traces of ammonia vapors, phosphoric oxides, aldehydes and ketones, low molecular weight organic products, noxious and toxic fumes.
Special Protective Actions for Fire Fighters	No special measures are required.

Special Protective Equipment for Fire Fighters	Fire-fighters should wear appropriate protective equipment and self-contained breathing apparatus (SCBA) with a full face-piece operated in positive pressure mode.
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## SECTION 6: ACCIDENTAL RELEASE MEASURES

### PERSONAL PRECAUTIONS, PROTECTIVE EQUIPMENT AND EMERGENCY PROCEDURES

For Non-emergency Personnel	Put on appropriate personal protective equipment.
For Emergency Responders	If specialized clothing is required to deal with the spillage, take note of any information in Section 8 on suitable and unsuitable materials. See also the information in "For Non-emergency Personnel".
Environmental Precautions	Avoid dispersal of spilled material and runoff and contact with soil, waterways, drains and sewers. Inform the relevant authorities if the product has caused environmental pollution (sewers, waterways, soil or air).

### METHODS AND MATERIALS FOR CONTAINMENT AND CLEANING UP

Spill	Stop leak if without risk. Move containers from spill area. Approach release from upwind. Prevent entry into sewers, water courses, basements or confined areas. Wash spillages into an effluent treatment plant or proceed as follows. Contain and collect spillage with non-combustible, absorbent material e.g. sand, earth, vermiculite or diatomaceous earth and place in container for disposal according to local regulations (see Section 13). Dispose of via a licensed waste disposal contractor. Contaminated absorbent material may pose the same hazard as the spilled product. Note: see Section 1 for emergency contact information and Section 13 for waste disposal.
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## SECTION 7: HANDLING & STORAGE

### PRECAUTIONS FOR SAFE HANDLING

Storage Temperature	59 - 77°F (15 - 25°C)
Storage Life	6 months
Protective Measures	Put on appropriate personal protective equipment (see Section 8). Do not ingest. Avoid contact with eyes, skin and clothing. Avoid breathing vapor or mist. 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.
Advice on General Occupational Hygiene	Eating, drinking and smoking should be prohibited in areas where this material is handled, stored and processed. Workers should wash hands and face before eating, drinking and smoking. See also Section 8 for additional information on hygiene measures.
Conditions for Safe Storage Including any Incompatibilities	Store in accordance with local regulations. Store in original container protected from direct sunlight in a dry, cool and well-ventilated area, away from incompatible materials (see Section 10) and food and drink. Keep container tightly closed and sealed until ready for use. Containers that have been opened must be carefully resealed and kept upright to prevent leakage. Do not store in unlabeled containers. Use appropriate containment to avoid environmental contamination.

## SECTION 8: EXPOSURE CONTROL / PERSONAL PROTECTION

### CONTROL PARAMETERS - UNITED STATES

#### OCCUPATIONAL EXPOSURE LIMITS

Ingredient Name	Occupational Exposure Limit Values
1,1,1,3,3-Pentafluoropropane	AIHA WEEL (United States, 10/2011) TWA: 300 ppm 8 hours
Trans-dichloroethylene	ACGIH TLV (United States, 4/2014) TWA: 200 ppm 8 hours TWA: 793 mg/m <sup>3</sup> 8 hours
Ethanediol	ACGIH TLV (United States, 4/2014) C: 100 mg/m <sup>3</sup> Form: Aerosol OSHA PEL 1989 (United States, 3/1989) CEIL: 125 mg/m <sup>3</sup> CEIL: 50 ppm
2,2-Oxibisethanol	AIHA WEEL (United States, 5/2010) TWA: 10 mg/m <sup>3</sup> 8 hours

CONTROL PARAMETERS - CANADA											
OCCUPATIONAL EXPOSURE LIMITS		TWA (8 HOURS)			STEL (15 MINS)			CEILING			
Ingredient Name	List Name	ppm	mg/m <sup>3</sup>	other	ppm	mg/m <sup>3</sup>	other	ppm	mg/m <sup>3</sup>	other	notes
Trans-dichloroethylene	US ACGIH 4/2014	200	793	-	-	-	-	-	-	-	
	AB 4/2009	200	793	-	-	-	-	-	-	-	
	BC 7/2013	200	-	-	-	-	-	-	-	-	
	ON 1/2013	200	793	-	-	-	-	-	-	-	
	QC 1/2014	200	793	-	-	-	-	-	-	-	
1,1,1,3,3-Pentafluoropropane	US AIHA 10/2011	300	-	-	-	-	-	-	-	-	
Ethanediol	US ACGIH 4/2014	-	-	-	-	-	-	-	100	-	(a)
	AB 4/2009	-	-	-	-	-	-	-	100	-	(3) (a)
	BC 7/2013	-	-	-	-	-	-	-	100	-	(a)
		-	10	-	-	20	-	-	-	-	-
	-	-	-	-	-	-	-	50	-	-	(c)
	ON 1/2013	-	-	-	-	-	-	-	100	-	(a)
QC 1/2014	-	-	-	-	50	127	-	-	-	-	(d)
2,2-Oxibisethanol	US AIHA 5/2010	-	10	-	-	-	-	-	-	-	
(3) Skin sensitization. Form: (a) Aerosol. (b) Particulate. (c) Vapor. (d) Vapor and Mist. (e) Mist. (f) Respirable Mist. (g) Inhalable Fraction.											
Appropriate Engineering Controls	Good general ventilation should be sufficient to control worker exposure to airborne contaminants.										
Environmental Exposure Controls	Emissions from ventilation or work process equipment should be checked to ensure they comply with the requirements of environmental protection legislation.										
INDIVIDUAL PROTECTION MEASURES											
Hygiene Measures	Wash hands, forearms and face thoroughly after handling chemical products, before eating, smoking and using the lavatory and at the end of the working period. Appropriate techniques should be used to remove potentially contaminated clothing. Wash contaminated clothing before reusing. Ensure that eyewash stations and safety showers are close to the workstation location.										
Eye/Face Protection	Safety eyewear complying with an approved standard should be used when a risk assessment indicates this is necessary to avoid exposure to liquid splashes, mists, gases or dusts. If contact is possible, the following protection should be worn, unless the assessment indicates a higher degree of protection: chemical splash goggles.										
Hand Protection	Chemical-resistant, impervious gloves complying with an approved standard should be worn at all times when handling chemical products if a risk assessment indicates this is necessary.										
Body Protection	Personal protective equipment for the body should be selected based on the task being performed and the risks involved and should be approved by a specialist before handling this product.										
Other Skin Protection	Appropriate footwear and any additional skin protection measures should be selected based on the task being performed and the risks involved and should be approved by a specialist before handling this product.										
Respiratory Protection	Use a properly fitted, air-purifying or supplied air respirator complying with an approved standard if a risk assessment indicates this is necessary. Respirator selection must be based on known or anticipated exposure levels, the hazards of the product and the safe working limits of the selected respirator.										

SECTION 9: PHYSICAL & CHEMICAL PROPERTIES	
Physical State	Liquid
Color	Blue
Odor	Faint ether odor
Odor Threshold	Not available
pH	Not available
Melting Point	Not available
Boiling Point	Not available
Flash Point	Closed cup: > 200°F (93°C)
Evaporation Rate	Not available
Flammability (solid, gas)	Not available

Lower and Upper Explosive (flammable) Limits	Not available
Vapor Pressure	Not available
Vapor Density	Not available
Specific Gravity @ 77°F (25°C)	1.19 - 1.21
Solubility	Moderately soluble in water
Partition Coefficient: N-Octanol/Water	Not available
Auto-Ignition Temperature	Not available
Decomposition Temperature	Not available
Viscosity @ 77°F (25°C)	300 - 350 cps
Volatility	Not available

#### SECTION 10: STABILITY & REACTIVITY

Reactivity	No specific test data related to reactivity available for this product or its ingredients.
Chemical Stability	The product is stable.
Possibility of Hazardous Reactions	Under normal conditions of storage and use, hazardous reactions will not occur.
Conditions to Avoid	Avoid exposure to moisture and high temperatures to protect product quality.
Incompatible Materials	Strong oxidizing materials, strong acids and alkali or alkaline earth metals (aluminum, zinc, beryllium and copper). Avoid unintended contact with isocyanates.
Hazardous Decomposition Products	Decomposition products may include carbon monoxide, carbon dioxide, nitrogen oxides, halogenated compounds, traces of ammonia vapors, phosphoric oxides, aldehydes and ketones, low molecular weight organic products, noxious and toxic fumes.

#### SECTION 11: TOXICOLOGICAL INFORMATION

##### ACUTE TOXICITY

Product / Ingredient Name	Endpoint	Species	Result	Exposure
1,1,1,3,3-Pentafluoropropane	LC50 Inhalation Vapor	Rat	> 1,110 mg/l	4 hours
	LD50 Dermal	Rabbit	> 2,000 mg/kg	-
Tris (2-chloro-1-methylethyl) Phosphate	LC50 Inhalation Dusts & Mists	Rat	17.8 mg/l	1 hour
	LC50 Inhalation Dusts & Mists	Rat	5 mg/l	4 hours
	LD50 Dermal	Rabbit	1,230 mg/kg	-
	LD50 Oral	Rat	1,500 mg/kg	-
Trans-dichloroethylene	LC50 Inhalation Gas	Rat	24,100 ppm	4 hours
	LD50 Dermal	Rabbit	> 5 g/kg	-
	LD50 Oral	Rat	1,235 mg/kg	-
Methyldiethanolamine	LD50 Oral	Rat	4,680 mg/kg	-
Ethanediol	LD50 Oral	Rat	4,700 mg/kg	-
2,2-Oxibisethanol	LD50 Dermal	Rabbit	11,890 mg/kg	-
	LD50 Oral	Rat	12,000 mg/kg	-

##### IRRITATION / CORROSION

Product / Ingredient Name	Result	Species	Score	Exposure	Observation
Trans-dichloroethylene	Eyes - Moderate irritant	Rabbit	-	10 mg	-
	Skin - Moderate irritant	Rabbit	-	24 h 500 mg	-
Ethanediol	Eyes - Mild irritant	Rabbit	-	24 h 500 mg	-
	Eyes - Mild irritant	Rabbit	-	1 h 100 mg	-
	Eyes - Moderate irritant	Rabbit	-	6 h 1440 mg	-
	Skin - Mild irritant	Rabbit	-	555 mg	-
2,2-Oxibisethanol	Eyes - Mild irritant	Rabbit	-	50 mg	-
	Skin - Mild irritant	Human	-	72 h 112 mg Intermittent	-
	Skin - Mild irritant	Rabbit	-	500 mg	-

<b>SENSITIZATION</b>						
There is no data available.						
<b>CARCINOGENICITY</b>						
<b>CLASSIFICATION</b>						
Ingredient	OSHA	IARC	NTP	ACGIH	EPA	NIOSH
Ethanediol	-	-	-	A4	-	None
2,2-Oxibisethanol	-	-	-	-	-	None
<b>SPECIFIC TARGET ORGAN TOXICITY (SINGLE EXPOSURE)</b>						
Product / Ingredient Name	Category		Route of Exposure		Target Organs	
1,1,1,3,3-Pentafluoropropane	Category 3		Not applicable		Narcotic effects	
<b>SPECIFIC TARGET ORGAN TOXICITY (REPEATED EXPOSURE)</b>						
There is no data available.						
<b>ASPIRATION HAZARD</b>						
There is no data available.						
<b>INFORMATION ON THE LIKELY ROUTES OF EXPOSURE</b>						
Dermal contact. Eye contact. Inhalation. Ingestion.						
<b>POTENTIAL ACUTE HEALTH EFFECTS</b>						
Eye Contact	Causes serious eye irritation.					
Inhalation	Exposure to decomposition products may cause a health hazard. Serious effects may be delayed following exposure.					
Skin Contact	May cause skin irritation.					
Ingestion	Irritating to mouth, throat and stomach.					
<b>SYMPTOMS RELATED TO THE PHYSICAL, CHEMICAL AND TOXICOLOGICAL CHARACTERISTICS</b>						
Eye Contact	Adverse symptoms may include the following: pain or irritation, watering, redness.					
Inhalation	No known significant effects or critical hazards.					
Skin Contact	No known significant effects or critical hazards.					
Ingestion	No known significant effects or critical hazards.					
<b>DELAYED AND IMMEDIATE EFFECTS AND ALSO CHRONIC EFFECTS FROM SHORT AND LONG TERM EXPOSURE</b>						
<b>SHORT TERM EXPOSURE</b>						
Potential Immediate Effects	No known significant effects or critical hazards.					
Potential Delayed Effects	No known significant effects or critical hazards.					
<b>LONG TERM EXPOSURE</b>						
Potential Immediate Effects	No known significant effects or critical hazards.					
Potential Delayed Effects	No known significant effects or critical hazards.					
<b>POTENTIAL CHRONIC HEALTH EFFECTS</b>						
General	No known significant effects or critical hazards.					
Carcinogenicity	No known significant effects or critical hazards.					
Mutagenicity	No known significant effects or critical hazards.					
Teratogenicity	No known significant effects or critical hazards.					
Developmental Effects	No known significant effects or critical hazards.					
Fertility Effects	No known significant effects or critical hazards.					
<b>NUMERICAL MEASURES OF TOXICITY - ACUTE TOXICITY ESTIMATES</b>						
There is no data available.						

**SECTION 12: ECOLOGICAL INFORMATION**
**TOXICITY**

Product / Ingredient Name	Result	Species	Exposure
1,1,1,3,3-Pentafluoropropane	Acute EC50 > 97.9 mg/l	Daphnia	48 hours
	Acute EC50 > 81.8 mg/l	Fish	96 hours
Trans-dichloroethylene	Acute LC50 220,000 Qg/l fresh water	Daphnia - Daphnia magna	48 hours
Methyldiethanolamine	Acute LC50 1,466 mg/l	Leuciscus idus	96 hours
	Acute EC50 233 mg/l	Daphnia - Daphnia magna	48 hours
	Acute EC50 > 100 mg/l	Desmodesmus subspicatus	72 hours
Ethanediol	Acute LC50 100,000 Qg/l marine water	Crustaceans - Crangon crangon - Adult	48 hours
	Acute LC50 10,000,000 Qg/l fresh water	Daphnia - Daphnia magna	48 hours
	Acute LC50 8,050,000 Qg/l fresh water	Fish - Pimephales promelas	96 hours
2,2-Oxibisethanol	Acute LC50 32,000 ppm fresh water	Fish - Gambusia affinis - Adult	96 hours

**PERSISTENCE AND DEGRADABILITY**

Product / Ingredient Name	Aquatic Half-life	Photolysis	Biodegradability
Ethanediol	-	-	Readily

**BIOACCUMULATIVE POTENTIAL**

Product / Ingredient Name	LogPow	BCF	Potential
Tris (2-chloro-1-methylethyl) Phosphate	2.68	0.8 - 2.8	Low
Trans-dichloroethylene	2.09	-	Low
Ethanediol	-1.36	-	Low
2,2-Oxibisethanol	-1.98	100	Low

**MOBILITY IN SOIL**

Soil/Water Partition Coefficient (Koc)	There is no data available.
Other Adverse Effects	No known significant effects of critical hazards.

**SECTION 13: DISPOSAL CONSIDERATION**

Disposal Methods	The generation of waste should be avoided or minimized wherever possible. Disposal of this product, solutions and any by-products should comply with the requirements of environmental protection and waste disposal legislation and any regional local authority requirements. Dispose of surplus and non-recyclable products via a licensed waste disposal contractor. Waste should not be disposed of untreated to the sewer unless fully compliant with the requirements of all authorities with jurisdiction. Waste packaging should be recycled. Incineration or landfill should only be considered when recycling is not feasible. This material and its container must be disposed of in a safe way. Care should be taken when handling empty containers that have not been cleaned or rinsed out. Empty containers or liners may retain some product residues. Avoid dispersal of spilled material and runoff and contact with soil, waterways, drains and sewers.
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**UNITED STATES - RCRA TOXIC HAZARDOUS WASTE "U" LIST**

Product / Ingredient Name	CAS #	Status	Reference Number
Trans-dichloroethylene	156-60-5	Listed	U079

**SECTION 14: TRANSPORTATION INFORMATION**
**DOT**

UN Number	Not regulated
UN Proper Shipping Name	-
Transport Hazard Class(es)	-
Packing Group	-
Environmental Hazard	No
Additional Information	-

<b>TDG</b>	
UN Number	Not regulated
UN Proper Shipping Name	-
Transport Hazard Class(es)	-
Packing Group	-
Environmental Hazard	No
Additional Information	-
<b>IMDG</b>	
UN Number	Not regulated
UN Proper Shipping Name	-
Transport Hazard Class(es)	-
Packing Group	-
Environmental Hazard	No
Additional Information	-
<b>IATA</b>	
UN Number	Not regulated
UN Proper Shipping Name	-
Transport Hazard Class(es)	-
Packing Group	-
Environmental Hazard	No
Additional Information	-
AERG: Not applicable.	
DOT-RQ Details	Trans-dichloroethylene: 1000 lb / 454 kg (95.947 gal / 363.2 l)
Special Precautions for User	Transport within user's premises: Always transport in closed containers that are upright and secure. Ensure that persons transporting the product know what to do in the event of an accident or spillage.
Transport in Bulk According to Annex II of MARPOL 73/78 and the IBC Code	Not available

## SECTION 15: REGULATORY INFORMATION

### UNITED STATES

U.S. Federal Regulations	TSCA 8(a) PAIR: Octamethylcyclotetrasiloxane. United States inventory (TSCA 8b): All components are listed or exempted. Clean Water Act (CWA) 307: Trans-dichloroethylene.
Clean Air Act Section 112 (b) Hazardous Air Pollutants (HAPs)	Listed
Clean Air Act Section 602 Class I Substances	Not listed
Clean Air Act Section 602 Class II Substances	Not listed
DEA List I Chemicals (Precursor Chemicals)	Not listed
DEA List II Chemicals (Essential Chemicals)	Not listed
SARA 302/304	No products were found
SARA 304 RQ	Not applicable



<b>SARA 311/312</b>						
<b>CLASSIFICATION</b>						
Immediate (acute) health hazard.						
<b>COMPOSITION / INFORMATION ON INGREDIENTS</b>						
Product / Ingredient Name	%	Fire Hazard	Sudden Release of Pressure	Reactive	Immediate (acute) Health Hazard	Delayed (chronic) Health Hazard
1,1,1,3,3-Pentafluoropropane	≥5 - <10	No	Yes	No	Yes	No
Tris (2-chloro-1-methylethyl) Phosphate	≥3 - <10	No	No	No	Yes	No
Trans-dichloroethylene	≥1 - <5	Yes	No	No	Yes	No
Methyldiethanolamine	≥1 - <5	No	No	No	Yes	No
Ethenediol	≥0.3 - <3	No	No	No	Yes	No
2,2-Oxybisethanol	≥0.3 - <3	No	No	No	Yes	No
N,N,N',N',N'',N''-Hexamethyl-1,3,5-triazine-1,3,5-(2H,4H,6H)-tripropanamine	≥0.3 - <3	No	No	No	Yes	No
<b>SARA 313</b>						
	Product Name	CAS #	%			
Form R - Reporting Requirements	Ethenediol	107-21-1	≥0.5 - <3			
Supplier Notification	Ethenediol	107-21-1	≥0.5 - <3			
SARA 313 notifications must not be detached from the SDS and any copying and redistribution of the SDS shall include copying and redistribution of the notice attached to copies of the SDS subsequently redistributed.						
<b>STATE REGULATIONS</b>						
Massachusetts	The following components are listed: Ethenediol; Trans-dichloroethylene.					
New York	The following components are listed: Ethenediol; Trans-dichloroethylene.					
New Jersey	The following components are listed: Ethenediol.					
Pennsylvania	The following components are listed: Ethenediol; 2,2' -Oxybisethanol; Trans-dichloroethylene.					
California Prop. 65	No products were found.					
<b>CANADA</b>						
<b>CANADIAN LISTS</b>						
Canadian NPRI	The following components are listed: Ethenediol.					
CEPA Toxic Substances	None of the components are listed.					
Canada Inventory	All components are listed or exempted.					
<b>INTERNATIONAL LISTS / NATIONAL INVENTORY</b>						
Australia	Not determined.					
China	Not determined.					
Europe	Not determined.					
Japan	Not determined.					
Malaysia	Not determined.					
New Zealand	Not determined.					
Philippines	Not determined.					
Republic of Korea	Not determined.					
Taiwan	Not determined.					

**SECTION 16: OTHER INFORMATION**

Prepared By	Huntsman Building Solutions. - Technical Department
Preparation Date (Y/M/D)	2016-12-14
Current Issue Date (Y/M/D)	2017-5-25

**KEY TO ABBREVIATIONS**

ATE	Acute Toxicity Estimate
BCF	Bioconcentration Factor
GHS	Globally Harmonized System of Classification and Labelling of Chemicals
IATA	International Air Transport Association
IBC	Intermediate Bulk Container
IMDG	International Maritime Dangerous Goods
LogPow	Logarithm of the octanol/water partition coefficient
MARPOL 73/78	International Convention for the Prevention of Pollution from Ships, 1973 as modified by the Protocol of 1978. ("Marpol" = maritime pollution)
UN	United Nations

Notice to Reader: To the best of our knowledge, the information contained herein is accurate. However, neither the above-named supplier, nor any of its subsidiaries, assumes any liability whatsoever for the accuracy or completeness of the information contained herein. Final determination of suitability of any material is the sole responsibility of the user. All materials may present unknown hazards and should be used with caution. Although certain hazards are described herein, we cannot guarantee that these are the only hazards that exist.