

Safety Data Sheet

Section 1: Identification

Product identifier

Product Name • Vinylshield A

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

Recommended use • Consult manufacturer for recommended product use.

Details of the supplier of the safety data sheet

Manufacturer • CertainTeed Ceilings
20 Moores Rd.
Malvern, PA 19355
United States

Telephone (General) • 800-782-8777

Emergency telephone number

Manufacturer • 800-424-9300

Section 2: Hazard Identification

United States (US)

According to: OSHA 29 CFR 1910.1200 HCS

Classification of the substance or mixture

OSHA HCS 2012 • Eye Mild Irritation 2B
Carcinogenicity 1A
Specific Target Organ Toxicity Repeated Exposure 1

Label elements

OSHA HCS 2012

DANGER



Hazard statements • Causes eye irritation
May cause cancer.
Causes damage to organs through prolonged or repeated exposure.

Precautionary statements

Prevention • Obtain special instructions before use.
Do not handle until all safety precautions have been read and understood.
Do not breathe dust.
Do not eat, drink or smoke when using this product.
Wash thoroughly after handling.
Wear protective gloves/protective clothing/eye protection/face protection.

Response • 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.
 IF exposed or concerned: Get medical advice/attention.
 Get medical advice/attention if you feel unwell.

- Storage/Disposal** • Store locked up.
 Dispose of content and/or container in accordance with local, regional, national, and/or international regulations.

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 2015

Classification of the substance or mixture

- WHMIS 2015**
- Eye Mild Irritation 2B
 Carcinogenicity 1A
 Specific Target Organ Toxicity Repeated Exposure 1

Label elements

WHMIS 2015

DANGER



- Hazard statements** • Causes eye irritation
 May cause cancer.
 Causes damage to organs through prolonged or repeated exposure.

Precautionary statements

- Prevention** • Obtain special instructions before use.
 Do not handle until all safety precautions have been read and understood.
 Do not breathe dust.
 Wash thoroughly after handling.
 Do not eat, drink or smoke when using this product.
 Wear protective gloves/protective clothing/eye protection/face protection.
- Response** • 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.
 IF exposed or concerned: Get medical advice/attention.
 Get medical advice/attention if you feel unwell.
- Storage/Disposal** • Store locked up.
 Dispose of content and/or container in accordance with local, regional, national, and/or international regulations.

Other hazards

- WHMIS 2015**
- In Canada, the product mentioned above is considered hazardous under the Workplace Hazardous Materials Information System (WHMIS).

Section 3 - Composition/Information on Ingredients

Substances

- Material does not meet the criteria of a substance.

Mixtures

Composition					
Chemical Name	Identifiers	%	LD50/LC50	Classifications According to Regulation/Directive	Comments
Fibre glass	CAS:65997-17-3	37% TO 40%	NDA	OSHA HCS 2012: Not Classified WHMIS 2015: Not Classified	NDA
Perlite	CAS:93763-70-3	20% TO 23%	NDA	OSHA HCS 2012: Not Classified WHMIS 2015: Not Classified	NDA
Kaolin	CAS:1332-58-7	16% TO 18%	NDA	OSHA HCS 2012: Eye Irrit. 2B; STOT RE 1 (Lungs) WHMIS 2015: Eye Irrit. 2B; STOT RE 1 (Lungs)	NDA
Cellulose	CAS:9004-34-6	8% TO 11%	Ingestion/Oral-Rat LD50 • >5 g/kg Inhalation-Rat LC50 • >5800 mg/m ³ 4 Hour(s) Skin-Rabbit LD50 • >2 g/kg	OSHA HCS 2012: Comb. Dust WHMIS 2015: Comb. Dust	NDA
Starch	CAS:9005-84-9	5% TO 7%	NDA	OSHA HCS 2012: Comb. Dust WHMIS 2015: Comb. Dust	NDA
Rigid PVC film	NDA	4% TO 6%	NDA	OSHA HCS 2012: Not Classified WHMIS 2015: Not Classified	NDA
Crystalline silica	CAS:14808-60-7	< 1%	NDA	OSHA HCS 2012: Carc. 1A; STOT RE 1 (Lungs/Inhl) WHMIS 2015: Carc. 1A; STOT RE 1 (Lungs/Inhl)	NDA

Section 4: First-Aid Measures

Description of first aid measures

Inhalation

- Move victim to fresh air. Give artificial respiration if victim is not breathing. Administer oxygen if breathing is difficult. 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.

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

- Rinse mouth. Do not give anything by mouth to an unconscious person.

Most important symptoms and effects, both acute and delayed

- Refer to Section 11 - Toxicological Information.

Indication of any immediate medical attention and special treatment needed

Notes to Physician

- 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: Fire-Fighting Measures

Extinguishing media

- Suitable Extinguishing Media** • LARGE FIRE: Water spray, fog or regular foam.
SMALL FIRES: Dry chemical, CO₂, water spray or regular foam.

- Unsuitable Extinguishing Media** • No data available

Special hazards arising from the substance or mixture

Unusual Fire and Explosion Hazards • Vinyl faced products may give off Hydrogen Chloride (HCL)

Hazardous Combustion Products • No data available

Advice for firefighters

- Wear positive pressure self-contained breathing apparatus (SCBA). Structural firefighters' protective clothing will only provide limited protection.

Section 6 - Accidental Release Measures

Personal precautions, protective equipment and emergency procedures

Personal Precautions • Ventilate enclosed areas. Do not walk through spilled material. Use appropriate Personal Protective Equipment (PPE)

Emergency Procedures • As an immediate precautionary measure, isolate spill or leak area for at least 25 meters (75 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. Keep unauthorized personnel away.

Environmental precautions

- Avoid the release of materials to the environment.

Methods and material for containment and cleaning up

Containment/Clean-up Measures • Pick up large pieces, sweep or vacuum material into waste container for disposal. Avoid generating dust. If sweeping is necessary use dust suppressant.

Section 7 - Handling and Storage

Precautions for safe handling

Handling • Use only in well ventilated areas. Minimize dust generation and accumulation. Wear appropriate personal protective equipment, avoid direct contact. Do not breathe dust. Avoid contact with skin, eyes, and clothing. Wash thoroughly with soap and water after handling and before eating, drinking, or using tobacco.

Conditions for safe storage, including any incompatibilities

Storage • Store flat in a dry area.

Section 8 - Exposure Controls/Personal Protection

Control parameters

Exposure Limits/Guidelines						
	Result	ACGIH	Canada British Columbia	Canada Manitoba	Canada New Brunswick	Canada Northwest Territories
Crystalline silica (14808-60-7)	TWAs	0.025 mg/m ³ TWA (respirable particulate matter)	0.025 mg/m ³ TWA (respirable)	0.025 mg/m ³ TWA (respirable particulate matter)	0.1 mg/m ³ TWA (respirable fraction)	0.05 mg/m ³ TWA (respirable fraction, listed under Silica - crystalline)
Cellulose (9004-34-6)	TWAs	10 mg/m ³ TWA	10 mg/m ³ TWA (total dust); 3 mg/m ³ TWA (respirable fraction)	10 mg/m ³ TWA	10 mg/m ³ TWA	10 mg/m ³ TWA
	STELs	Not established	Not established	Not established	Not established	20 mg/m ³ STEL

Kaolin (1332-58-7)	TWAs	2 mg/m3 TWA (particulate matter containing no asbestos and <1% crystalline silica, respirable particulate matter)	2 mg/m3 TWA (particulate matter containing no Asbestos and <1% Crystalline silica, respirable particulate)	2 mg/m3 TWA (particulate matter containing no Asbestos and <1% Crystalline silica, particulate matter, respirable particulate matter)	2 mg/m3 TWA (particulate matter containing no Asbestos and <1% Crystalline silica, respirable fraction)	2 mg/m3 TWA (respirable fraction)
	STELs	Not established	Not established	Not established	Not established	4 mg/m3 STEL (respirable fraction)
Perlite (93763-70-3)	TWAs	Not established	10 mg/m3 TWA (total dust); 3 mg/m3 TWA (respirable fraction)	Not established	10 mg/m3 TWA (particulate matter containing no Asbestos and <1% Crystalline silica)	10 mg/m3 TWA
	STELs	Not established	Not established	Not established	Not established	20 mg/m3 STEL

Exposure Limits/Guidelines (Con't.)

	Result	Canada Nova Scotia	Canada Nunavut	Canada Ontario	Canada Quebec	Canada Yukon
Crystalline silica (14808-60-7)	TWAs	0.025 mg/m3 TWA (respirable particulate matter)	0.05 mg/m3 TWA (respirable fraction, listed under Silica - crystalline)	0.10 mg/m3 TWA (designated substances regulation, respirable, listed under Silica, crystalline)	0.1 mg/m3 TWAEV (respirable dust)	300 particle/mL TWA (listed under Silica - Quartz, crystalline)
Cellulose (9004-34-6)	TWAs	10 mg/m3 TWA	10 mg/m3 TWA	10 mg/m3 TWA	10 mg/m3 TWAEV (containing no Asbestos and <1% Crystalline silica, total dust)	30 mppcf TWA; 10 mg/m3 TWA
	STELs	Not established	20 mg/m3 STEL	Not established	Not established	20 mg/m3 STEL
Kaolin (1332-58-7)	TWAs	2 mg/m3 TWA (particulate matter containing no Asbestos and <1% Crystalline silica, particulate matter, respirable particulate matter)	2 mg/m3 TWA (respirable fraction)	2 mg/m3 TWA (containing no Asbestos and <1% Crystalline silica, respirable)	5 mg/m3 TWAEV (containing no Asbestos and <1% Crystalline silica, respirable dust)	30 mppcf TWA; 10 mg/m3 TWA
	STELs	Not established	4 mg/m3 STEL (respirable fraction)	Not established	Not established	20 mg/m3 STEL
Perlite (93763-70-3)	STELs	Not established	20 mg/m3 STEL	Not established	Not established	Not established
	TWAs	Not established	10 mg/m3 TWA	Not established	Not established	30 mppcf TWA
Fibre glass (65997-17-3)	TWAs	Not established	Not established	Not established	Not established	30 mppcf TWA (dust or fibrous); 10 mg/m3 TWA (dust or fibrous)

Exposure Limits/Guidelines (Con't.)

	Result	NIOSH	OSHA
Crystalline silica (14808-60-7)	TWAs	0.05 mg/m3 TWA (respirable dust)	50 µg/m3 TWA (listed under Respirable crystalline silica)
Cellulose (9004-34-6)	TWAs	10 mg/m3 TWA (total dust); 5 mg/m3 TWA (respirable dust)	15 mg/m3 TWA (total dust); 5 mg/m3 TWA (respirable fraction)
Kaolin (1332-58-7)	TWAs	10 mg/m3 TWA (total dust); 5 mg/m3 TWA (respirable dust)	15 mg/m3 TWA (total dust); 5 mg/m3 TWA (respirable fraction)

Perlite (93763-70-3)	TWAs	10 mg/m3 TWA (total dust); 5 mg/m3 TWA (respirable dust)	Not established
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Exposure Control Notations

ACGIH

- Kaolin (1332-58-7): **Carcinogens:** (A4 - Not Classifiable as a Human Carcinogen)
- Crystalline silica (14808-60-7): **Carcinogens:** (A2 - Suspected Human Carcinogen)

Exposure Limits Supplemental

OSHA

- Crystalline silica (14808-60-7): **Mineral Dusts:** ((250)/(%SiO2 + 5) mppcf TWA, respirable fraction; (10)/(%SiO2 + 2) mg/m3 TWA, respirable fraction)

ACGIH

- Kaolin (1332-58-7): **TLV Basis - Critical Effects:** (pneumoconiosis)
- Cellulose (9004-34-6): **TLV Basis - Critical Effects:** (upper respiratory tract irritation)
- Crystalline silica (14808-60-7): **TLV Basis - Critical Effects:** (lung cancer; pulmonary fibrosis)

Exposure controls

Engineering Measures/Controls

- Good general ventilation and/or local exhaust ventilation should be used. Ventilation rates should be matched to conditions in order to ensure that concentrations of airborne contaminants are below applicable threshold limit values.

Personal Protective Equipment

Respiratory

- For limited exposure use an N95 dust mask. For prolonged exposure use an air-purifying respirator with high efficiency particulate air (HEPA) filters. Follow the OSHA respirator regulations found in 29 CFR 1910.134. Use a NIOSH/MSHA approved respirator if exposure limits are exceeded or symptoms are experienced.

Eye/Face

- Wear safety goggles.

Skin/Body

- Wear appropriate gloves. Wear long sleeves and/or protective coveralls.

Environmental Exposure Controls

- Follow best practice for site management and disposal of waste.

Key to abbreviations

ACGIH = American Conference of Governmental Industrial Hygiene

TLV = Threshold Limit Value determined by the American Conference of Governmental Industrial Hygienists (ACGIH)

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

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

Section 9 - Physical and Chemical Properties

Information on Physical and Chemical Properties

Material Description			
Physical Form	Solid	Appearance/Description	PVC-vinyl laminated mineral fiber ceiling panel with sealed, painted edges.
Color	Various	Odor	None
Odor Threshold	No data available		
General Properties			
Boiling Point	No data available	Melting Point/Freezing Point	No data available
Decomposition Temperature	No data available	pH	No data available
Specific Gravity/Relative Density	0.21 to 0.32 Water=1	Water Solubility	No data available

Viscosity	No data available		
Volatility			
Vapor Pressure	No data available	Vapor Density	No data available
Evaporation Rate	No data available		
Flammability			
Flash Point	No data available	UEL	No data available
LEL	No data available	Autoignition	No data available
Flammability (solid, gas)	No data available		
Environmental			
Octanol/Water Partition coefficient	No data available		

Section 10: Stability and Reactivity

Reactivity

- No dangerous reaction known under conditions of normal use.

Chemical stability

- Stable under normal temperatures and pressures.

Possibility of hazardous reactions

- Hazardous polymerization will not occur.

Conditions to avoid

- Avoid creating dusts.

Incompatible materials

- H₂S gas can be formed on contact with strong acids.

Hazardous decomposition products

- Vinyl faced products may emit hydrogen chloride (HCL) in a fire.

Section 11 - Toxicological Information

Information on toxicological effects

		Components
Fibre glass (37% TO 40%)	65997-17-3	Tumorigen / Carcinogen: Inhalation-Rat TCLo • 5 mg/m ³ 7 Hour(s) 90 Week(s)-Intermittent; <i>Tumorigenic:Carcinogenic by RTECS criteria; Blood:Leukemia</i>
Perlite (20% TO 23%)	93763-70-3	Acute Toxicity: Ingestion/Oral-Mouse LD50 • 12960 mg/kg
Kaolin (16% TO 18%)	1332-58-7	Multi-dose Toxicity: Inhalation-Rat TCLo • 30 mg/m ³ 96 Week(s)-Intermittent; <i>Lungs, Thorax, or Respiration:Fibrosis (interstitial); Lungs, Thorax, or Respiration:Other changes; Lungs, Thorax, or Respiration:Tumors;</i> Inhalation-Rat TCLo • 30 mg/m ³ 72 Week(s)-Intermittent; <i>Lungs, Thorax, or Respiration:Tumors;</i> Reproductive: Ingestion/Oral-Rat TDLo • 590 g/kg (37D pre/1-22D preg); <i>Reproductive Effects:Effects on Newborn:Growth statistics (e.g., reduced weight gain);</i> Ingestion/Oral-Rat TDLo • 370 g/kg (37D pre/1-22D preg); <i>Reproductive Effects:Maternal Effects:Other effects; Reproductive Effects:Effects on Newborn:Other neonatal measures or effects.</i>
		Acute Toxicity: Inhalation-Human TCLo • 16 mppcf 8 Hour(s) 17.9 Year(s)-Intermittent; <i>Lungs, Thorax, or Respiration:Fibrosis, focal (pneumoconiosis); Lungs, Thorax, or Respiration:Cough; Lungs, Thorax, or Respiration:Dyspnea;</i> Inhalation-Rat TCLo • 200 mg/kg; <i>Lungs, Thorax, or Respiration:Fibrosis, focal (pneumoconiosis); Lungs, Thorax, or Respiration:Other changes; Nutritional and Gross Metabolic:Changes in Chemistry or Temperature:Fe;</i> Multi-dose Toxicity: Inhalation-Hamster TCLo • 3 mg/m ³ 6 Hour(s) 78 Week(s)-Intermittent; <i>Lungs, Thorax, or</i>

Crystalline silica (< 1%)	14808-60-7	<p>Respiration:Fibrosis (interstitial); Lungs, Thorax, or Respiration:Changes in lung weight; Inhalation-Rat TCl₀ • 80 mg/m³ 26 Week(s)-Intermittent; Lungs, Thorax, or Respiration:Fibrosis, focal (pneumoconiosis); Blood:Changes in spleen; Immunological Including Allergic:Decrease in cellular immune response; Inhalation-Rat TCl₀ • 6.2 mg/m³ 6 Hour(s) 6 Week(s)-Intermittent; Lungs, Thorax, or Respiration:Other changes; Blood:Changes in spleen; Immunological Including Allergic:Increase in cellular immune response;</p> <p>Mutagen: Micronucleus test • Unreported Route-Hamster • Lung (Somatic cell) • 160 µg/cm³; DNA damage • Unreported Route-Human • Other Cell Type • 120 mg/L 24 Hour(s); Micronucleus test • Unreported Route-Human • Lung (Somatic cell) • 40 µg/cm³;</p> <p>Tumorigen / Carcinogen: Inhalation-Rat TCl₀ • 50 mg/m³ 6 Hour(s) 71 Week(s)-Intermittent; Tumorigenic:Carcinogenic by RTECS criteria; Liver:Tumors</p>
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GHS Properties	Classification
Acute toxicity	OSHA HCS 2012 • No data available WHMIS 2015 • No data available
Skin corrosion/Irritation	OSHA HCS 2012 • No data available WHMIS 2015 • No data available
Serious eye damage/Irritation	OSHA HCS 2012 • Eye Mild Irritation 2B WHMIS 2015 • Eye Mild Irritation 2B
Skin sensitization	OSHA HCS 2012 • No data available WHMIS 2015 • No data available
Respiratory sensitization	OSHA HCS 2012 • No data available WHMIS 2015 • No data available
Aspiration Hazard	OSHA HCS 2012 • No data available WHMIS 2015 • No data available
Carcinogenicity	OSHA HCS 2012 • Carcinogenicity 1A WHMIS 2015 • Carcinogenicity 1A
Germ Cell Mutagenicity	OSHA HCS 2012 • No data available WHMIS 2015 • No data available
Toxicity for Reproduction	OSHA HCS 2012 • No data available WHMIS 2015 • No data available
STOT-SE	OSHA HCS 2012 • No data available WHMIS 2015 • No data available
STOT-RE	OSHA HCS 2012 • Specific Target Organ Toxicity Repeated Exposure 1 WHMIS 2015 • Specific Target Organ Toxicity Repeated Exposure 1

Potential Health Effects

Inhalation

Acute (Immediate)

- Exposure to dust may cause irritation. Processes such as cutting, grinding, crushing, or impact may result in generation of excessive amounts of airborne dusts in the workplace. Nuisance dust may affect the lungs but reactions are typically reversible.

Chronic (Delayed)

- Lungs may be affected by repeated or prolonged exposure to dust particles. The substance may have effects on the lungs, resulting in fibrosis (kaolinosis) and impaired functions.

Skin

Acute (Immediate)

- Exposure to dust may cause mechanical irritation.

Chronic (Delayed)

- No data available

Eye

Acute (Immediate)

- Causes eye irritation. Excessive concentrations of nuisance dust in the workplace may reduce visibility and may cause unpleasant deposits in eyes.

- Chronic (Delayed)**
 - No data available
- Ingestion**
- Acute (Immediate)**
 - Excessive concentrations of nuisance dust in the workplace may cause mechanical irritation to mucous membranes.
- Chronic (Delayed)**
 - No data available
- Mutagenic Effects**
 - Repeated and prolonged exposure may cause mutagenic effects.
- Carcinogenic Effects**
 - This product contains crystalline silica as cristobalite and/or quartz. IARC Monographs on Evaluation of Carcinogenic Risk of Chemicals to Humans (Monograph 68, 1997) concludes that there is sufficient evidence for the carcinogenicity of crystalline silica to humans (IARC Group I). Crystalline Silica is classified as a Known Carcinogen according to NTP. This material may contain titanium dioxide. The International Agency for Research on Cancer (IARC) lists titanium dioxide as a Group 2B - Possible Carcinogen.

Carcinogenic Effects			
	CAS	IARC	NTP
Crystalline silica	14808-60-7	Group 1-Carcinogenic	Known Human Carcinogen
Fibre glass as Glass wool fiber	NDA	Not Listed	Reasonably Anticipated to be Human Carcinogen

Key to abbreviations
 LD = Lethal Dose
 TC = Toxic Concentration
 TD = Toxic Dose

Section 12 - Ecological Information

Toxicity

- Material data lacking.

Persistence and degradability

- Material data lacking.

Bioaccumulative potential

- Material data lacking.

Mobility in Soil

- Material data lacking.

Other adverse effects

- No known significant effects or critical hazards.

Section 13 - Disposal Considerations

Waste treatment methods

Product waste

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

Packaging waste

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

Section 14 - Transport Information

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

Special precautions for user • None specified.

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

Section 15 - Regulatory Information

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

State Right To Know				
Component	CAS	MA	NJ	PA
Cellulose	9004-34-6	Yes	Yes	Yes
Crystalline silica	14808-60-7	Yes	Yes	Yes
Fibre glass	65997-17-3	No	No	No
Kaolin	1332-58-7	Yes	Yes	Yes
Perlite	93763-70-3	Yes	Yes	Yes
Starch	9005-84-9	No	No	No

Inventory				
Component	CAS	Canada DSL	Canada NDSL	TSCA
Cellulose	9004-34-6	Yes	No	Yes
Crystalline silica	14808-60-7	Yes	No	Yes
Fibre glass	65997-17-3	Yes	No	Yes
Kaolin	1332-58-7	Yes	No	Yes
Perlite	93763-70-3	Yes	No	No
Starch	9005-84-9	Yes	No	Yes

Canada

Labor			
Canada - WHMIS 1988 - Classifications of Substances			
• Kaolin	1332-58-7	D2A	Uncontrolled product according to WHMIS classification criteria (including microcrystalline and paper fibers)
• Cellulose	9004-34-6		Not Listed
• Perlite	93763-70-3		Uncontrolled product according to WHMIS classification criteria (including 1%)
• Starch	9005-84-9		Not Listed
• Fibre glass	65997-17-3		D2A (In certain cases, this

- Crystalline silica

14808-60-7

classification does not apply. For more information, consult the section Substance Specific Issues - Silica, crystalline, encapsulated on Health Canada's WHMIS Division website.)

Canada - WHMIS 1988 - Ingredient Disclosure List

• Kaolin	1332-58-7	Not Listed
• Cellulose	9004-34-6	Not Listed
• Perlite	93763-70-3	Not Listed
• Starch	9005-84-9	Not Listed
• Fibre glass	65997-17-3	Not Listed
• Crystalline silica	14808-60-7	1 %

Environment

Canada - CEPA - Priority Substances List

• Kaolin	1332-58-7	Not Listed
• Cellulose	9004-34-6	Not Listed
• Perlite	93763-70-3	Not Listed
• Starch	9005-84-9	Not Listed
• Fibre glass	65997-17-3	Not Listed
• Crystalline silica	14808-60-7	Not Listed

Canada British Columbia

Environment

Canada - British Columbia - Ozone Depleting Substances

• Kaolin	1332-58-7	Not Listed
• Cellulose	9004-34-6	Not Listed
• Perlite	93763-70-3	Not Listed
• Starch	9005-84-9	Not Listed
• Fibre glass	65997-17-3	Not Listed
• Crystalline silica	14808-60-7	Not Listed

Canada Manitoba

Environment

Canada - Manitoba - Ozone Depleting Substances and Other Halocarbons - Class 1

• Kaolin	1332-58-7	Not Listed
• Cellulose	9004-34-6	Not Listed
• Perlite	93763-70-3	Not Listed
• Starch	9005-84-9	Not Listed
• Fibre glass	65997-17-3	Not Listed
• Crystalline silica	14808-60-7	Not Listed

Canada - Manitoba - Ozone Depleting Substances and Other Halocarbons - Class 2

• Kaolin	1332-58-7	Not Listed
• Cellulose	9004-34-6	Not Listed
• Perlite	93763-70-3	Not Listed
• Starch	9005-84-9	Not Listed
• Fibre glass	65997-17-3	Not Listed
• Crystalline silica	14808-60-7	Not Listed

Canada Nova Scotia

Environment**Canada - Nova Scotia - Ozone Layer Protection Regulations**

• Kaolin	1332-58-7	Not Listed
• Cellulose	9004-34-6	Not Listed
• Perlite	93763-70-3	Not Listed
• Starch	9005-84-9	Not Listed
• Fibre glass	65997-17-3	Not Listed
• Crystalline silica	14808-60-7	Not Listed

Canada Ontario**Environment****Canada - Ontario - Ozone Depleting Substances and Other Halocarbons - Class 1 Substances**

• Kaolin	1332-58-7	Not Listed
• Cellulose	9004-34-6	Not Listed
• Perlite	93763-70-3	Not Listed
• Starch	9005-84-9	Not Listed
• Fibre glass	65997-17-3	Not Listed
• Crystalline silica	14808-60-7	Not Listed

Canada - Ontario - Ozone Depleting Substances and Other Halocarbons - Class 2 Substances

• Kaolin	1332-58-7	Not Listed
• Cellulose	9004-34-6	Not Listed
• Perlite	93763-70-3	Not Listed
• Starch	9005-84-9	Not Listed
• Fibre glass	65997-17-3	Not Listed
• Crystalline silica	14808-60-7	Not Listed

Canada - Ontario - Ozone Depleting Substances and Other Halocarbons - Halocarbons

• Kaolin	1332-58-7	Not Listed
• Cellulose	9004-34-6	Not Listed
• Perlite	93763-70-3	Not Listed
• Starch	9005-84-9	Not Listed
• Fibre glass	65997-17-3	Not Listed
• Crystalline silica	14808-60-7	Not Listed

Canada Yukon**Environment****Canada - Yukon - Ozone Depleting Substances and Other Halocarbons**

• Kaolin	1332-58-7	Not Listed
• Cellulose	9004-34-6	Not Listed
• Perlite	93763-70-3	Not Listed
• Starch	9005-84-9	Not Listed
• Fibre glass	65997-17-3	Not Listed
• Crystalline silica	14808-60-7	Not Listed

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

• Kaolin	1332-58-7	Not Listed
• Cellulose	9004-34-6	Not Listed
• Perlite	93763-70-3	Not Listed
• Starch	9005-84-9	Not Listed
• Fibre glass	65997-17-3	Not Listed

• Crystalline silica	14808-60-7	Not Listed
U.S. - OSHA - Specifically Regulated Chemicals		
• Kaolin	1332-58-7	Not Listed
• Cellulose	9004-34-6	Not Listed
• Perlite	93763-70-3	Not Listed
• Starch	9005-84-9	Not Listed
• Fibre glass	65997-17-3	Not Listed
• Crystalline silica	14808-60-7	Not Listed

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

• Kaolin	1332-58-7	Not Listed
• Cellulose	9004-34-6	Not Listed
• Perlite	93763-70-3	Not Listed
• Starch	9005-84-9	Not Listed
• Fibre glass	65997-17-3	Not Listed
• Crystalline silica	14808-60-7	Not Listed

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

• Kaolin	1332-58-7	Not Listed
• Cellulose	9004-34-6	Not Listed
• Perlite	93763-70-3	Not Listed
• Starch	9005-84-9	Not Listed
• Fibre glass	65997-17-3	Not Listed
• Crystalline silica	14808-60-7	Not Listed

U.S. - CERCLA/SARA - Radionuclides and Their Reportable Quantities

• Kaolin	1332-58-7	Not Listed
• Cellulose	9004-34-6	Not Listed
• Perlite	93763-70-3	Not Listed
• Starch	9005-84-9	Not Listed
• Fibre glass	65997-17-3	Not Listed
• Crystalline silica	14808-60-7	Not Listed

U.S. - CERCLA/SARA - Section 302 Extremely Hazardous Substances EPCRA RQs

• Kaolin	1332-58-7	Not Listed
• Cellulose	9004-34-6	Not Listed
• Perlite	93763-70-3	Not Listed
• Starch	9005-84-9	Not Listed
• Fibre glass	65997-17-3	Not Listed
• Crystalline silica	14808-60-7	Not Listed

U.S. - CERCLA/SARA - Section 302 Extremely Hazardous Substances TPQs

• Kaolin	1332-58-7	Not Listed
• Cellulose	9004-34-6	Not Listed
• Perlite	93763-70-3	Not Listed
• Starch	9005-84-9	Not Listed
• Fibre glass	65997-17-3	Not Listed
• Crystalline silica	14808-60-7	Not Listed

U.S. - CERCLA/SARA - Section 313 - Emission Reporting

• Kaolin	1332-58-7	Not Listed
• Cellulose	9004-34-6	Not Listed
• Perlite	93763-70-3	Not Listed

• Starch	9005-84-9	Not Listed
• Fibre glass	65997-17-3	Not Listed
• Crystalline silica	14808-60-7	Not Listed

U.S. - CERCLA/SARA - Section 313 - PBT Chemical Listing

• Kaolin	1332-58-7	Not Listed
• Cellulose	9004-34-6	Not Listed
• Perlite	93763-70-3	Not Listed
• Starch	9005-84-9	Not Listed
• Fibre glass	65997-17-3	Not Listed
• Crystalline silica	14808-60-7	Not Listed

U.S. - CWA (Clean Water Act) - Hazardous Substances

• Kaolin	1332-58-7	Not Listed
• Cellulose	9004-34-6	Not Listed
• Perlite	93763-70-3	Not Listed
• Starch	9005-84-9	Not Listed
• Fibre glass	65997-17-3	Not Listed
• Crystalline silica	14808-60-7	Not Listed

U.S. - CWA (Clean Water Act) - Priority Pollutants

• Kaolin	1332-58-7	Not Listed
• Cellulose	9004-34-6	Not Listed
• Perlite	93763-70-3	Not Listed
• Starch	9005-84-9	Not Listed
• Fibre glass	65997-17-3	Not Listed
• Crystalline silica	14808-60-7	Not Listed

U.S. - CWA (Clean Water Act) - Reportable Quantities of Designated Hazardous Substances

• Kaolin	1332-58-7	Not Listed
• Cellulose	9004-34-6	Not Listed
• Perlite	93763-70-3	Not Listed
• Starch	9005-84-9	Not Listed
• Fibre glass	65997-17-3	Not Listed
• Crystalline silica	14808-60-7	Not Listed

U.S. - CWA (Clean Water Act) - Toxic Pollutants

• Kaolin	1332-58-7	Not Listed
• Cellulose	9004-34-6	Not Listed
• Perlite	93763-70-3	Not Listed
• Starch	9005-84-9	Not Listed
• Fibre glass	65997-17-3	Not Listed
• Crystalline silica	14808-60-7	Not Listed

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

• Kaolin	1332-58-7	Not Listed
• Cellulose	9004-34-6	Not Listed
• Perlite	93763-70-3	Not Listed
• Starch	9005-84-9	Not Listed
• Fibre glass	65997-17-3	Not Listed
• Crystalline silica	14808-60-7	Not Listed

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

• Kaolin	1332-58-7	Not Listed
• Cellulose	9004-34-6	Not Listed
• Perlite	93763-70-3	Not Listed
• Starch	9005-84-9	Not Listed
• Fibre glass	65997-17-3	Not Listed
• Crystalline silica	14808-60-7	Not Listed

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

• Kaolin	1332-58-7	Not Listed
• Cellulose	9004-34-6	Not Listed
• Perlite	93763-70-3	Not Listed
• Starch	9005-84-9	Not Listed
• Fibre glass	65997-17-3	Not Listed
• Crystalline silica	14808-60-7	Not Listed

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

• Kaolin	1332-58-7	Not Listed
• Cellulose	9004-34-6	Not Listed
• Perlite	93763-70-3	Not Listed
• Starch	9005-84-9	Not Listed
• Fibre glass	65997-17-3	Not Listed
• Crystalline silica	14808-60-7	Not Listed

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

• Kaolin	1332-58-7	Not Listed
• Cellulose	9004-34-6	Not Listed
• Perlite	93763-70-3	Not Listed
• Starch	9005-84-9	Not Listed
• Fibre glass	65997-17-3	Not Listed
• Crystalline silica	14808-60-7	Not Listed

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

• Kaolin	1332-58-7	Not Listed
• Cellulose	9004-34-6	Not Listed
• Perlite	93763-70-3	Not Listed
• Starch	9005-84-9	Not Listed
• Fibre glass	65997-17-3	Not Listed
• Crystalline silica	14808-60-7	Not Listed

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

• Kaolin	1332-58-7	Not Listed
• Cellulose	9004-34-6	Not Listed
• Perlite	93763-70-3	Not Listed
• Starch	9005-84-9	Not Listed
• Fibre glass	65997-17-3	Not Listed
• Crystalline silica	14808-60-7	Not Listed

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

• Kaolin	1332-58-7	Not Listed
• Cellulose	9004-34-6	Not Listed
• Perlite	93763-70-3	Not Listed

• Starch	9005-84-9	Not Listed
• Fibre glass	65997-17-3	Not Listed
• Crystalline silica	14808-60-7	Not Listed

Section 16 - Other Information

Revision Date

- 12/June/2018

Preparation Date

- 03/August/2009

Disclaimer/Statement of Liability

- As of the date of preparation of this document, the foregoing information is believed to be accurate and is provided in good faith to comply with applicable Federal and State Laws. However, no warranty or representation with respect to such information is intended or given.

Key to abbreviations

NDA = No Data Available