Safety Data Sheet

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

1.1 Product identifier

Product Name • **Exterior Fiberglass Door**

Synonyms • AvantGuard; Barrington; Belleville; Oakcraft

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

Relevant identified use(s) • Commercial and Residential Interior Door

Use(s) advised against • Exterior Applications

1.3 Details of the supplier of the safety data sheet

Manufacturer • Masonite

1955 Powis Road
West Chicago, IL 60185
United States
www.masonite.com
pdonahoe@masonite.com

Telephone (General) • 630-513-4112

1.4 Emergency telephone number

Manufacturer • 800-262-8200 - CHEMTREC

Section 2: Hazards Identification

EU/EEC

According to: Regulation (EC) No 1272/2008 (CLP)/REACH 1907/2006 [amended by 2015/830]

2.1 Classification of the substance or mixture

CLP • Skin Sensitization 1 - H317
Respiratory Sensitization 1 - H334
Germ Cell Mutagenicity 2 - H341
Carcinogenicity 1A - H350
Specific Target Organ Toxicity Repeated Exposure 1 - H372

2.2 Label Elements

CLP

DANGER

Hazard statements • H317 - May cause an allergic skin reaction
H334 - May cause allergy or asthma symptoms or breathing difficulties if inhaled

H341 - Suspected of causing genetic defects.
H350 - May cause cancer.
H372 - Causes damage to organs through prolonged or repeated exposure.

Prevention
- P201 - Obtain special instructions before use.
P202 - Do not handle until all safety precautions have been read and understood.
P260 - Do not breathe dust.
P264 - Wash thoroughly after handling.
P270 - Do not eat, drink or smoke when using this product.
P272 - Contaminated work clothing should not be allowed out of the workplace.
P280 - Wear protective gloves/protective clothing/eye protection/face protection.
P281 - Use personal protective equipment as required.
P285 - In case of inadequate ventilation wear respiratory protection.

Response
- P304+P341 - IF INHALED: If breathing is difficult, remove victim to fresh air and keep at rest in a position comfortable for breathing.
P342+P311 - If experiencing respiratory symptoms: Call a POISON CENTER or doctor/physician.
P302+P352 - IF ON SKIN: Wash with plenty of soap and water.
P321 - Specific treatment, see supplemental first aid information.
P363 - Wash contaminated clothing before reuse.
P333+P313 - If skin irritation or rash occurs: Get medical advice/attention.
P308+P313 - IF exposed or concerned: Get medical advice/attention.
P314 - Get medical advice/attention if you feel unwell.

Storage/Disposal
- P405 - Store locked up.
P501 - Dispose of content and/or container in accordance with local, regional, national, and/or international regulations.

2.3 Other Hazards

CLP
- May form combustible dust concentrations in air.
According to Regulation (EC) No. 1272/2008 (CLP) this material is considered hazardous.

United States (US)

According to: OSHA 29 CFR 1910.1200 HCS

2.1 Classification of the substance or mixture

OSHA HCS 2012
- This product as received is not hazardous under the criteria of the OSHA Hazard Communication Standard (29 CFR 1910.1200) and Canada WHMIS Program in the form in which it is shipped by Masonite International Corporation, but may become hazardous as a result of downstream activities such as sawing, sanding, routing, machining or otherwise working with this product that generate fugitive dust and gaseous byproducts.
Skin Sensitization 1
Respiratory Sensitization 1
Germ Cell Mutagenicity 2
Specific Target Organ Toxicity Single Exposure 3: Respiratory Tract Irritation
Carcinogenicity 1A
Specific Target Organ Toxicity Repeated Exposure 1
Combustible Dust

2.2 Label elements

OSHA HCS 2012

DANGER

Hazard statements
- May cause an allergic skin reaction
May cause allergy or asthma symptoms or breathing difficulties if inhaled
May cause respiratory irritation
Suspected of causing genetic defects.

May cause cancer.
Causes damage to organs through prolonged or repeated exposure.
May form combustible dust concentrations in air.

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.
Use only outdoors or in a well-ventilated area.
Contaminated work clothing should not be allowed out of the workplace.
Wear protective gloves/protective clothing/eye protection/face protection.
In case of inadequate ventilation wear respiratory protection.

Response
- IF INHALED: If breathing is difficult, remove victim to fresh air and keep at rest in a position comfortable for breathing.
If experiencing respiratory symptoms: Call a POISON CENTER/doctor/ .
If on skin: Wash with plenty of water .
Specific treatment, see supplemental first aid information.
Take off contaminated clothing and wash it before reuse.
If skin irritation or rash occurs: Get medical advice/attention.
IF exposed or concerned: Get medical advice/attention.

Storage/Disposal
- Store in a well-ventilated place. Keep container tightly closed.
Store locked up.
Dispose of content and/or container in accordance with local, regional, national, and/or international regulations.

2.3 Other hazards

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

Canada

According to: WHMIS 2015

2.1 Classification of the substance or mixture

WHMIS 2015
- This product as received is not hazardous under the criteria of the OSHA Hazard Communication Standard (29 CFR 1910.1200) and Canada WHMIS Program in the form in which it is shipped by Masonite International Corporation, but may become hazardous as a result of downstream activities such as sawing, sanding, routing, machining or otherwise working with this product that generate fugitive dust and gaseous byproducts.
Skin Sensitization 1
Respiratory Sensitization 1
Specific Target Organ Toxicity Single Exposure 3: Respiratory Tract Irritation
Germ Cell Mutagenicity 2
Carcinogenicity 1A
Specific Target Organ Toxicity Repeated Exposure 1

2.2 Label elements

WHMIS 2015

DANGER

Hazard statements
- May cause an allergic skin reaction
May cause allergy or asthma symptoms or breathing difficulties if inhaled
May cause respiratory irritation
Suspected of causing genetic defects.
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.
Use only outdoors or in a well-ventilated area.
Contaminated work clothing should not be allowed out of the workplace.
Wear protective gloves/protective clothing/eye protection/face protection.
In case of inadequate ventilation wear respiratory protection.

Response
- IF INHALED: Remove person to fresh air and keep comfortable for breathing.
If experiencing respiratory symptoms: Call a POISON CENTER/doctor/ .
IF ON SKIN: Wash with plenty of water/ .
Specific treatment, see supplemental first aid information.
Take off contaminated clothing and wash it before reuse.
If skin irritation or rash occurs: Get medical advice/attention.
IF exposed or concerned: Get medical advice/attention.

Storage/Disposal
- Store in a well-ventilated place. Keep container tightly closed.
Store locked up.
Dispose of content and/or container in accordance with local, regional, national, and/or international regulations.

2.3 Other hazards

WHMIS 2015
- This product is not shipped in dust form but may form combustible dust concentrations in air during use.
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.

3.2 Mixtures

Composition					
Chemical Name	**Identifiers**	**%**	**LD50/LC50**	**Classifications According to Regulation/Directive**	**Comments**
Wood/Wood Dust	NDA	5% TO 69%	NDA	**EU CLP:** Carc. 1A, H350; STOT RE 1, **H372 (Lungs); Resp. Sens. 1, H334; Skin Sens. 1, H317 **OSHA HCS 2012:** Comb. Dust; Carc. 1A; STOT RE 1 (Lungs); Resp. Sens. 1; Skin Sens. 1 **WHMIS 2015:** Comb. Dust; Carc. 1A; STOT RE 1 (Lungs); Resp. Sens. 1; Skin Sens. 1	A,B,C
Limestone	**CAS:**1317-65-3 **EC Number:**215-279-6	13% TO 34%	NDA	**EU CLP:** Not Classified **OSHA HCS 2012:** Not Classified **WHMIS 2015:** Not Classified	D
Fiberglass	**CAS:**65997-17-3 **EC Number:**266-046-0	5% TO 15%	NDA	**EU CLP:** Not Classified **OSHA HCS 2012:** Not Classified **WHMIS 2015:** Not Classified	D

Polyurethane Elastomer	NDA	0% TO 11%	NDA	**EU CLP:** Not Classified **OSHA HCS 2012:** Not Classified **WHMIS 2015:** Not Classified	A
Phenol Formaldehyde Resin	NDA	< 4.984%	NDA	**EU CLP:** Not Classified **OSHA HCS 2012:** Not Classified **WHMIS 2015:** Not Classified	A,B,C
Polymerized Synthetic Resin	NDA	< 2%	NDA	**EU CLP:** Not Classified **OSHA HCS 2012:** Not Classified **WHMIS 2015:** Not Classified	NDA
Zinc stearate	**CAS:**557-05-1 **EINECS:**209-151-9	< 1.364%	Ingestion/Oral-Rat LD50 • >10 g/kg	**EU CLP:** Not Classified **OSHA HCS 2012:** Comb. Dust **WHMIS 2015:** Comb. Dust	D
Titanium dioxide	**CAS:**13463-67-7 **EC Number:**236-675-5	< 1.364%	NDA	**EU CLP:** Muta. 2, H341; Carc. 2, H351 (Inhl); STOT RE 2, H373 (Lungs, Inhl) **OSHA HCS 2012:** Muta. 2; Carc. 2 (Inhl); STOT RE 2 (Lungs, Inhl) **WHMIS 2015:** Muta. 2, H341; Carc. 2 (Inhl); STOT RE 2, H351 (Lungs, Inhl)	D
Polymer	NDA	0.32% TO 1.26%	NDA	**EU CLP:** Not Classified **OSHA HCS 2012:** Not Classified **WHMIS 2015:** Not Classified	NDA
Thermoset Adhesive, Cured	NDA	< 1%	NDA	**EU CLP:** Not Classified **OSHA HCS 2012:** Not Classified **WHMIS 2015:** Not Classified	NDA
Polyurethane Adhesive, Cured	NDA	0.1% TO 0.4%	NDA	**EU CLP:** Not Classified **OSHA HCS 2012:** Not Classified **WHMIS 2015:** Not Classified	NDA
Talc	**CAS:**14807-96-6 **EC Number:**238-877-9	0% TO 0.21%	NDA	**EU CLP:** STOT RE 1, H372 (Lungs, Inhl) **OSHA HCS 2012:** STOT RE 1 (Lungs, Inhl) **WHMIS 2015:** STOT RE 1 (Lungs, Inhl)	D

Key to abbreviations

A = Core Component
B = Stile Component
C = Rail Component
D = Face Component
E = Door Face Coating

See Section 16 for full text of H-statements.

Section 4 - First Aid Measures

4.1 Description of first aid measures

Inhalation
- IF INHALED: If breathing is difficult, remove victim to fresh air and keep at rest in a position comfortable for breathing. Give artificial respiration if victim is not breathing. Administer oxygen if breathing is difficult. Get medical attention.

Skin
- IF ON SKIN: Wash with plenty of soap and water. Take off contaminated clothing and wash before reuse. 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. Do not allow the victim to rub or keep eyes tightly shut. Get medical help if irritation persists.

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

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
- No specific actions or treatments recommended related to exposure to this material.

Section 5 - Firefighting Measures

5.1 Extinguishing media

Suitable Extinguishing Media
- Use an extinguisher containing media compatible with surrounding materials.

Unsuitable Extinguishing Media
- No data available.

5.2 Special hazards arising from the substance or mixture

Unusual Fire and Explosion Hazards
- Avoid generating dust; fine dust dispersed in air in sufficient concentrations, and in the presence of an ignition source is a potential dust explosion hazard.
Wood dust is a strong and severe explosion hazard if a dust "cloud" contacts an ignition source. Hot, humid conditions may result in spontaneous combustion of accumulated wood dust. Partially burned or scorched wood dust can explode if dispersed in air.

Hazardous Combustion Products
- No data available.

5.3 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

6.1 Personal precautions, protective equipment and emergency procedures

Personal Precautions
- Use good safety and industrial hygiene practices.

Emergency Procedures
- No emergency procedures are expected to be necessary if material is used under ordinary conditions as recommended.

6.2 Environmental precautions

- No special environmental precautions necessary.

6.3 Methods and material for containment and cleaning up

Containment/Clean-up Measures
- Avoid generating dust.
Dust generated from sawing, sanding, drilling or routing this product may be swept, vacuumed or shoveled for recovery or disposal.
Dust deposits should not be allowed to accumulate on surfaces, as these may form an explosive mixture if they are released into the atmosphere in sufficient concentration. Avoid dispersal of dust in the air (i.e., clearing dust surfaces with compressed air).

6.4 Reference to other sections

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

Section 7 - Handling and Storage

7.1 Precautions for safe handling

Handling
- Keep away from heat and ignition sources – No Smoking. Minimize dust generation and accumulation. Dry powders can build static electricity charges when subjected to the friction of transfer and mixing operations. Provide adequate precautions, such as electrical grounding and bonding, or inert atmospheres. Routine housekeeping should be instituted to ensure that dusts do not accumulate on surfaces. Wear appropriate personal protective equipment, avoid direct contact. Do not breathe dust. Avoid contact with skin, eyes or clothing. Never eat, drink, or smoke in work areas. Practice good personal hygiene after using this material.

7.2 Conditions for safe storage, including any incompatibilities

Storage

- Store in a 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**	**Canada Ontario**	**Canada Quebec**	**NIOSH**	**OSHA**
Wood/Wood Dust	STELs	Not established	10 mg/m3 STEL *as Wood dust, soft wood*	Not established	Not established	Not established
	TWAs	10 mg/m3 TWA (inhalable particles, recommended); 3 mg/m3 TWA (respirable particles, recommended) *as Particulates not otherwise classified (PNOC)* 0.5 mg/m3 TWA (inhalable fraction) *as Wood dust, western red cedar* 1 mg/m3 TWA (inhalable fraction) *as Wood dusts (all other wood dusts)*	10 mg/m3 TWA (inhalable); 3 mg/m3 TWA (respirable) *as Particulates not otherwise classified (PNOC)* 5 mg/m3 TWA *as Wood dust, soft wood* 1 mg/m3 TWA *as Wood dusts-hard wood*	10 mg/m3 TWAEV (including dust, inert or nuisance particulates; containing no Asbestos and <1% Crystalline silica, total dust) *as Particulates not otherwise classified (PNOC)* 5 mg/m3 TWAEV (except red cedar, containing no Asbestos and <1% Crystalline silica, total dust) *as Wood dust, all soft and hard woods* 2.5 mg/m3 TWAEV (containing no Asbestos and <1% Crystalline silica, total dust) *as Wood dust, western red cedar*	1 mg/m3 TWA *as Wood dust, all soft and hard woods*	15 mg/m3 TWA (total dust); 5 mg/m3 TWA (respirable fraction) *as Particulates not otherwise classified (PNOC)*
Talc (14807-96-6)	TWAs	2 mg/m3 TWA (particulate matter containing no asbestos and <1% crystalline silica, respirable fraction)	2 mg/m3 TWA (containing no Asbestos and <1% Crystalline silica, respirable)	3 mg/m3 TWAEV (respirable dust)	2 mg/m3 TWA (containing no Asbestos and <1% Quartz, respirable dust)	Not established
Titanium dioxide (13463-67-7)	TWAs	10 mg/m3 TWA	10 mg/m3 TWA	10 mg/m3 TWAEV (containing no Asbestos and <1% Crystalline silica, total	Not established	15 mg/m3 TWA (total dust)

				dust)		
Zinc stearate (557-05-1)	TWAs	Not established	Not established	10 mg/m3 TWAEV	10 mg/m3 TWA (total dust); 5 mg/m3 TWA (respirable dust)	15 mg/m3 TWA (total dust); 5 mg/m3 TWA (respirable fraction)
Fiberglass	TWAs	1 fiber/cm3 TWA (respirable fibers: length >5 µm, aspect ratio >=3:1, as determined by the membrane filter method at 400-450X magnification [4-mm objective], using phase-contrast illumination, listed under Synthetic vitreous fibers) *as Glass wool fibers*	1 fibre/cm3 TWA (fibres >5 µm in length and an aspect ratio >=3:1 as determined by the membrane filter method at 400-450 times magnification (4 -mm objective), using phase-contrast illumination, respirable, listed under Synthetic Vitreous Fibres (Man Made Mineral Fibres)) *as Glass wool fibers*	1 fibre/cm3 TWAEV (respirable, listed under Fibres - Artificial Vitreous Mineral Fibres) *as Glass wool fibers*	3 fiber/cm3 TWA (fibers <= 3.5 µm in diameter and >= 10 µm in length); 5 mg/m3 TWA (total) *as Glass wool fibers*	Not established
Limestone (1317-65-3)	TWAs	Not established	Not established	10 mg/m3 TWAEV (Limestone, containing no Asbestos and <1% Crystalline silica, total dust)	10 mg/m3 TWA (total dust); 5 mg/m3 TWA (respirable dust)	15 mg/m3 TWA (total dust); 5 mg/m3 TWA (respirable fraction)

Exposure Control Notations

ACGIH

- Titanium dioxide (13463-67-7): **Carcinogens:** (A4 - Not Classifiable as a Human Carcinogen)
- Talc (14807-96-6): **Carcinogens:** (A4 - Not Classifiable as a Human Carcinogen (containing no asbestos fibers))
- Fiberglass as Glass wool fibers: **Carcinogens:** (A3 - Confirmed Animal Carcinogen with Unknown Relevance to Humans (listed under Synthetic vitreous fibers))
- Wood/Wood Dust as Wood dust, western red cedar: **Carcinogens:** (A4 - Not Classifiable as a Human Carcinogen) | **Sensitizers:** (dermal sensitizer; respiratory sensitizer)
- Wood/Wood Dust as Wood dusts (all other wood dusts): **Carcinogens:** (A4 - Not Classifiable as a Human Carcinogen)
- Wood/Wood Dust as Wood dusts-hard wood: **Carcinogens:** (A1 - Confirmed Human Carcinogen)

Germany TRGS

- Wood/Wood Dust as Wood dust, all soft and hard woods: **Carcinogens:** (Category 3 (except hardwood dust, see TRGS 906)) | **Sensitizers:** (Respiratory sensitizer (wood types: Thuja plicata, Riesenlebensbaum, Rotzeder, Triplochiton scleroxylon, Abachi, Obeche; May cause sensitization by inhalation; May cause allergy or asthma symptoms of breathing difficulties if inhaled, listed under Activities where protection measures according to TRGS 401 or TRBA-TRGS 406 have to be applied to prevent a possible sensitization); Respiratory sensitizer (wood types: Terminalia superba, Limba; May cause sensitization by inhalation; May cause allergy or asthma symptoms of breathing difficulties if inhaled, listed under Activities where protection measures according to TRGS 401 or TRBA-TRGS 406 have to be applied to prevent a possible sensitization); Skin sensitizer (wood types: Thuja plicata, Riesenlebensbaum, Rotzeder, Triplochiton scleroxylon, Abachi, Obeche; May cause sensitization by skin contact; May cause an allergic skin reaction, listed under Activities where protection measures according to TRGS 401 or TRBA-TRGS 406 have to be applied to prevent a possible sensitization))

Germany DFG

- Titanium dioxide (13463-67-7): **Carcinogens:** (Category 3A (could be carcinogenic for man, inhalable fraction with the exception of ultra small particles))
- Talc (14807-96-6): **Carcinogens:** (Category 3B (could be carcinogenic for man, free of asbestos fibers))
- Wood/Wood Dust as Wood dust, all soft and hard woods: **Carcinogens:** (Category 3B (could be carcinogenic for man, except beech and oak wood dust))

Exposure Limits Supplemental

OSHA

- Talc (14807-96-6): **Mineral Dusts:** (20 mppcf TWA (if 1% Quartz or more, use Quartz limit))

•Wood/Wood Dust as Particulates not otherwise classified (PNOC): **Mineral Dusts:** (15 mppcf TWA (respirable fraction); 5 mg/m3 TWA (respirable fraction); 50 mppcf TWA (total dust); 15 mg/m3 TWA (total dust))

ACGIH

•Titanium dioxide (13463-67-7): **TLV Basis - Critical Effects:** (lower respiratory tract irritation)

•Talc (14807-96-6): **TLV Basis - Critical Effects:** (pulmonary fibrosis (containing no asbestos fibers); pulmonary function (containing no asbestos fibers))

•Wood/Wood Dust as Wood dust, western red cedar: **TLV Basis - Critical Effects:** (asthma)

•Wood/Wood Dust as Wood dusts (all other wood dusts): **TLV Basis - Critical Effects:** (pulmonary function)

8.2 Exposure controls

Engineering Measures/Controls
- To avoid static sparks, electrically ground and bond all equipment used in and around processes that involve wood dust generation. Enclose processes where possible to prevent/minimize dust dispersion into work areas. Provide local and general exhaust ventilation systems to maintain airborne concentrations below the OSHA PEL.

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 or European Standard EN 149. Use a NIOSH/MSHA or European Standard EN 149 approved respirator if exposure limits are exceeded or symptoms are experienced.

Eye/Face
- Wear safety goggles.

Hands
- Wear appropriate gloves.

Skin/Body
- 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

NIOSH = National Institute of Occupational Safety and Health

OSHA = Occupational Safety and Health Administration

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

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

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

TWAEV = Time-Weighted Average Exposure Value

Section 9 - Physical and Chemical Properties

9.1 Information on Basic Physical and Chemical Properties

Material Description			
Physical Form	Solid	Appearance/Description	Doors in a variety of grains and hues with a slight aromatic odor.
Color	Variety	Odor	Slight aromatic odor.
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	No data available	Water Solubility	Negligible < 0.1 %
Viscosity	No data available	Explosive Properties	No data available
Oxidizing Properties:	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		

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

- Avoid extreme heat, open flames and sparks.

10.5 Incompatible materials

- Strong oxidizing agents.

10.6 Hazardous decomposition products

- Decomposition may include carbon dioxide, tars, carbon, and hydrogen cyanide, ether, esters, ketones.

Section 11 - Toxicological Information

11.1 Information on toxicological effects

Components		
Titanium dioxide (< 1.364%)	13463-67-7	**Irritation:** Skin-Human • 300 µg 3 Day(s)-Intermittent • Mild irritation; **Multi-dose Toxicity:** Inhalation-Rat TCLo • 10 mg/m³ 6 Hour(s) 13 Week(s)-Intermittent; *Lungs, Thorax, or Respiration*:**Fibrosis (interstitial)**; *Lungs, Thorax, or Respiration*:**Other changes**; *Biochemical:Metabolism (intermediary)*:**Effect on inflammation or mediation of inflammation**; Inhalation-Rat TCLo • 250 mg/m³ 6 Hour(s) 4 Week(s)-Intermittent; *Lungs, Thorax, or Respiration*:**Chronic pulmonary edema**; *Lungs, Thorax, or Respiration*:**Other changes**; **Mutagen:** Micronucleus test • Ingestion/Oral-Mouse • 280 mg/kg 7 Day(s)-Intermittent; DNA damage • Ingestion/Oral-Mouse • 280 mg/kg 7 Day(s)-Intermittent; Cytogenetic analysis • Ingestion/Oral-Mouse • 280 mg/kg 7 Day(s)-Intermittent; **Tumorigen / Carcinogen:** Inhalation-Rat • 10 mg/m³ 18 Hour(s) 2 Year(s)-Intermittent; *Tumorigenic*:**Carcinogenic by RTECS criteria**; *Lungs, Thorax, or Respiration*:**Tumors**; Inhalation-Rat TCLo • 250 mg/m³ 6 Hour(s) 2 Year(s)-Intermittent; *Tumorigenic*:**Carcinogenic by RTECS criteria**; *Lungs, Thorax, or Respiration*:**Tumors**
Talc (0% TO 0.21%)	14807-96-6	**Irritation:** Skin-Human • 300 µg 3 Day(s)-Intermittent • Mild irritation; **Tumorigen / Carcinogen:** Inhalation-Rat • 11 mg/m³ 1 Year(s)-Intermittent; *Tumorigenic*:**Equivocal tumorigenic agent by RTECS criteria**; *Lungs, Thorax, or Respiration*:**Tumors**; Inhalation-Rat TCLo • 18 mg/m³ 6 Hour(s) 2 Year(s)-Intermittent; *Tumorigenic*:**Carcinogenic by RTECS criteria**; *Lungs, Thorax, or Respiration*:**Bronchiogenic carcinoma**; *Endocrine*:**Tumors**
Limestone (13% TO 34%)	1317-65-3	**Multi-dose Toxicity:** Inhalation-Rat TCLo • 84 mg/m³ 4 Hour(s) 40 Week(s)-Intermittent; *Lungs, Thorax, or Respiration*:**Fibrosis (interstitial)**; *Liver*:**Other changes**; *Kidney, Ureter, and Bladder*:**Other changes**; Inhalation-Rat TCLo • 250 mg/m³ 2 Hour(s) 24 Week(s)-Intermittent; *Lungs, Thorax, or Respiration*:**Fibrosis, focal (pneumoconiosis)**

Fiberglass (5% TO 15%)	65997-17-3	**Tumorigen / Carcinogen:** Inhalation-Rat TCLo • 5 mg/m³ 7 Hour(s) 90 Week(s)-Intermittent; *Tumorigenic*:**Carcinogenic by RTECS criteria**; *Blood*:**Leukemia**
Zinc stearate (< 1.364%)	557-05-1	**Acute Toxicity:** Ingestion/Oral-Rat LD50 • >10 g/kg

GHS Properties	Classification
Acute toxicity	**EU/CLP** • No data available **OSHA HCS 2012** • No data available **WHMIS 2015** • No data available
Skin corrosion/Irritation	**EU/CLP** • No data available **OSHA HCS 2012** • No data available **WHMIS 2015** • No data available
Serious eye damage/Irritation	**EU/CLP** • No data available **OSHA HCS 2012** • No data available **WHMIS 2015** • No data available
Skin sensitization	**EU/CLP** • Skin Sensitizer 1 **OSHA HCS 2012** • Skin Sensitizer 1 **WHMIS 2015** • Skin Sensitizer 1
Respiratory sensitization	**EU/CLP** • Respiratory Sensitizer 1 **OSHA HCS 2012** • Respiratory Sensitizer 1 **WHMIS 2015** • Respiratory Sensitizer 1
Aspiration Hazard	**EU/CLP** • No data available **OSHA HCS 2012** • No data available **WHMIS 2015** • No data available
Carcinogenicity	**EU/CLP** • Carcinogenicity 1A; May cause cancer **OSHA HCS 2012** • Carcinogenicity 1A **WHMIS 2015** • Carcinogenicity 1A
Germ Cell Mutagenicity	**EU/CLP** • Germ Cell Mutagenicity 2 **OSHA HCS 2012** • Germ Cell Mutagenicity 2 **WHMIS 2015** • Germ Cell Mutagenicity 2
Toxicity for Reproduction	**EU/CLP** • No data available **OSHA HCS 2012** • No data available **WHMIS 2015** • No data available
STOT-SE	**EU/CLP** • No data available **OSHA HCS 2012** • Specific Target Organ Toxicity Single Exposure 3: Respiratory Tract Irritation **WHMIS 2015** • Specific Target Organ Toxicity Single Exposure 3: Respiratory Tract Irritation
STOT-RE	**EU/CLP** • Specific Target Organ Toxicity Repeated Exposure 1 **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)

- 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. Wood dust may cause nasal dryness; irritation and obstruction of the respiratory system; and coughing, wheezing and sneezing.

Chronic (Delayed)
- Repeated and prolonged exposure may cause sensitization of the respiratory system. Repeated and prolonged exposure to dust may cause lung effects.

Skin

Acute (Immediate)
- Exposure to dust may cause mechanical irritation. Certain species of wood dust can elicit allergic contact dermatitis in sensitized individuals.

Chronic (Delayed)
- No data available

Eye

Acute (Immediate)
- Excessive concentrations of nuisance dust in the workplace may reduce visibility and may cause unpleasant deposits in eyes. Wood dust can cause eye irritation and conjunctivitis.

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
- Prolonged exposure to wood dust by inhalation has been reported to be associated with nasal and paranasal cancer. Wood dust is classified as a carcinogen by IARC. Chronic exposure to wood dust may cause nasal adenocarcinoma (cancer in the nose).

Carcinogenic Effects

	CAS	IARC	NTP
Wood/Wood Dust as Wood dust, all soft and hard woods	NDA	Not Listed	Known Human Carcinogen
Titanium dioxide	13463-67-7	Group 2B-Possible Carcinogen	Not Listed

Key to abbreviations

LD = Lethal Dose

TC = Toxic Concentration

Section 12 - Ecological Information

12.1 Toxicity

- Material data lacking.

12.2 Persistence and degradability

- Material data lacking.

12.3 Bioaccumulative potential

- Material data lacking.

12.4 Mobility in Soil

- Material data lacking.

12.5 Results of PBT and vPvB assessment

- No PBT and vPvB assessment has been conducted.

12.6 Other adverse effects

- No studies have been found.

Section 13 - Disposal Considerations

13.1 Waste treatment methods

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

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

Section 14 - Transport Information

	14.1 UN number	14.2 UN proper shipping name	14.3 Transport hazard class(es)	14.4 Packing group	14.5 Environmental hazards
DOT	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

14.6 Special precautions for user
- None specified.

14.7 Transport in bulk according to Annex II of Marpol 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
- Acute, Chronic, Pressure(Sudden Release of)

State Right To Know				
Component	**CAS**	**MA**	**NJ**	**PA**
Fiberglass	65997-17-3	No	No	No
Limestone	1317-65-3	Yes	Yes	Yes
Talc	14807-96-6	Yes	Yes	Yes
Titanium dioxide	13463-67-7	Yes	Yes	Yes
Zinc stearate	557-05-1	Yes	Yes	Yes

Inventory						
Component	**CAS**	**Canada DSL**	**Canada NDSL**	**EU EINECS**	**EU ELNICS**	**TSCA**
Fiberglass	65997-17-3	Yes	No	Yes	No	Yes
Limestone	1317-65-3	No	Yes	Yes	No	Yes
Talc	14807-96-6	Yes	No	Yes	No	Yes
Titanium dioxide	13463-67-7	Yes	No	Yes	No	Yes
Zinc stearate	557-05-1	Yes	No	Yes	No	Yes

Canada

Labor

Canada - WHMIS - Classifications of Substances

- Talc 14807-96-6 D2A

• Titanium dioxide	13463-67-7	D2A (In certain cases, this classification does not apply. For more information, consult the section Substance Specific Issues - Titanium dioxide, mixture containing on Health Canada's WHMIS Division website.)
• Limestone	1317-65-3	D2A
• Zinc stearate	557-05-1	Uncontrolled product according to WHMIS classification criteria
• Fiberglass	65997-17-3	Not Listed

Canada - WHMIS - Ingredient Disclosure List

• Talc	14807-96-6	Not Listed
• Titanium dioxide	13463-67-7	Not Listed
• Limestone	1317-65-3	Not Listed
• Zinc stearate	557-05-1	1 %
• Fiberglass	65997-17-3	Not Listed

Environment

Canada - CEPA - Priority Substances List

• Talc	14807-96-6	Not Listed
• Titanium dioxide	13463-67-7	Not Listed
• Limestone	1317-65-3	Not Listed
• Zinc stearate	557-05-1	Not Listed
• Fiberglass	65997-17-3	Not Listed

Europe

Other

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

• Talc	14807-96-6	Not Listed
• Titanium dioxide	13463-67-7	Not Listed
• Limestone	1317-65-3	Not Listed
• Zinc stearate	557-05-1	Not Listed
• Fiberglass	65997-17-3	Not Listed

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

• Talc	14807-96-6	Not Listed
• Titanium dioxide	13463-67-7	Not Listed
• Limestone	1317-65-3	Not Listed
• Zinc stearate	557-05-1	Not Listed
• Fiberglass	65997-17-3	Not Listed

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

• Talc	14807-96-6	Not Listed
• Titanium dioxide	13463-67-7	Not Listed
• Limestone	1317-65-3	Not Listed
• Zinc stearate	557-05-1	Not Listed
• Fiberglass	65997-17-3	Not Listed

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

• Talc	14807-96-6	Not Listed
• Titanium dioxide	13463-67-7	Not Listed

• Limestone	1317-65-3	Not Listed
• Zinc stearate	557-05-1	Not Listed
• Fiberglass	65997-17-3	Not Listed

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

• Talc	14807-96-6	Not Listed
• Titanium dioxide	13463-67-7	Not Listed
• Limestone	1317-65-3	Not Listed
• Zinc stearate	557-05-1	Not Listed
• Fiberglass	65997-17-3	Not Listed

Germany

Environment

Germany - TA Luft - Types and Classes

• Talc	14807-96-6	Not Listed
• Titanium dioxide	13463-67-7	Not Listed
• Limestone	1317-65-3	Not Listed
• Zinc stearate	557-05-1	Not Listed
• Fiberglass	65997-17-3	Not Listed

Germany - TA Luft - Emission Limits for Fibers

• Talc	14807-96-6	Not Listed
• Titanium dioxide	13463-67-7	Not Listed
• Limestone	1317-65-3	Not Listed
• Zinc stearate	557-05-1	Not Listed
• Fiberglass	65997-17-3	Not Listed

Germany - TA Luft - Emission Limits for Inorganic Dusts

• Talc	14807-96-6	Not Listed
• Titanium dioxide	13463-67-7	Not Listed
• Limestone	1317-65-3	Not Listed
• Zinc stearate	557-05-1	Not Listed
• Fiberglass	65997-17-3	Not Listed

Germany - TA Luft - Emission Limits for Organic Substances

• Talc	14807-96-6	Not Listed
• Titanium dioxide	13463-67-7	Not Listed
• Limestone	1317-65-3	Not Listed
• Zinc stearate	557-05-1	Not Listed
• Fiberglass	65997-17-3	Not Listed

Germany - Water Classification (VwVwS) - Annex 1

• Talc	14807-96-6	1315, not considered hazardous to water
• Titanium dioxide	13463-67-7	1345, not considered hazardous to water
• Limestone	1317-65-3	317, not considered hazardous to water
• Zinc stearate	557-05-1	Not Listed
• Fiberglass	65997-17-3	Not Listed

Germany - Water Classification (VwVwS) - Annex 2 - Water Hazard Classes

• Talc	14807-96-6	Not Listed
• Titanium dioxide	13463-67-7	Not Listed
• Limestone	1317-65-3	Not Listed

• Zinc stearate	557-05-1	Not Listed
• Fiberglass	65997-17-3	Not Listed

Germany - Water Classification (VwVwS) - Annex 3

• Talc	14807-96-6	Not Listed
• Titanium dioxide	13463-67-7	Not Listed
• Limestone	1317-65-3	Not Listed
• Zinc stearate	557-05-1	ID Number 5173, hazard class 1 - low hazard to waters
• Fiberglass	65997-17-3	Not Listed

United States

Labor

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

• Talc	14807-96-6	Not Listed
• Titanium dioxide	13463-67-7	Not Listed
• Limestone	1317-65-3	Not Listed
• Zinc stearate	557-05-1	Not Listed
• Fiberglass	65997-17-3	Not Listed

U.S. - OSHA - Specifically Regulated Chemicals

• Talc	14807-96-6	Not Listed
• Titanium dioxide	13463-67-7	Not Listed
• Limestone	1317-65-3	Not Listed
• Zinc stearate	557-05-1	Not Listed
• Fiberglass	65997-17-3	Not Listed

Environment

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

• Talc	14807-96-6	Not Listed
• Titanium dioxide	13463-67-7	Not Listed
• Limestone	1317-65-3	Not Listed
• Zinc stearate	557-05-1	Not Listed
• Fiberglass	65997-17-3	Not Listed

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

• Talc	14807-96-6	Not Listed
• Titanium dioxide	13463-67-7	Not Listed
• Limestone	1317-65-3	Not Listed
• Zinc stearate	557-05-1	Not Listed
• Fiberglass	65997-17-3	Not Listed

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

• Talc	14807-96-6	Not Listed
• Titanium dioxide	13463-67-7	Not Listed
• Limestone	1317-65-3	Not Listed
• Zinc stearate	557-05-1	Not Listed
• Fiberglass	65997-17-3	Not Listed

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

• Talc	14807-96-6	Not Listed
• Titanium dioxide	13463-67-7	Not Listed
• Limestone	1317-65-3	Not Listed
• Zinc stearate	557-05-1	Not Listed

• Fiberglass	65997-17-3	Not Listed

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

• Talc	14807-96-6	Not Listed
• Titanium dioxide	13463-67-7	Not Listed
• Limestone	1317-65-3	Not Listed
• Zinc stearate	557-05-1	Not Listed
• Fiberglass	65997-17-3	Not Listed

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

• Talc	14807-96-6	Not Listed
• Titanium dioxide	13463-67-7	Not Listed
• Limestone	1317-65-3	Not Listed
• Zinc stearate	557-05-1	Not Listed
• Fiberglass	65997-17-3	Not Listed

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

• Talc	14807-96-6	Not Listed
• Titanium dioxide	13463-67-7	Not Listed
• Limestone	1317-65-3	Not Listed
• Zinc stearate	557-05-1	Not Listed
• Fiberglass	65997-17-3	Not Listed

United States - California

Environment

U.S. - California - Proposition 65 - Carcinogens List

• Talc	14807-96-6	Not Listed
• Titanium dioxide	13463-67-7	carcinogen, 9/2/2011 (airborne, unbound particles of respirable size)
• Limestone	1317-65-3	Not Listed
• Zinc stearate	557-05-1	Not Listed
• Fiberglass	65997-17-3	Not Listed

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

• Talc	14807-96-6	Not Listed
• Titanium dioxide	13463-67-7	Not Listed
• Limestone	1317-65-3	Not Listed
• Zinc stearate	557-05-1	Not Listed
• Fiberglass	65997-17-3	Not Listed

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

• Talc	14807-96-6	Not Listed
• Titanium dioxide	13463-67-7	Not Listed
• Limestone	1317-65-3	Not Listed
• Zinc stearate	557-05-1	Not Listed
• Fiberglass	65997-17-3	Not Listed

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

• Talc	14807-96-6	Not Listed
• Titanium dioxide	13463-67-7	Not Listed
• Limestone	1317-65-3	Not Listed
• Zinc stearate	557-05-1	Not Listed
• Fiberglass	65997-17-3	Not Listed

U.S. - California - Proposition 65 - Reproductive Toxicity - Female		
• Talc	14807-96-6	Not Listed
• Titanium dioxide	13463-67-7	Not Listed
• Limestone	1317-65-3	Not Listed
• Zinc stearate	557-05-1	Not Listed
• Fiberglass	65997-17-3	Not Listed
U.S. - California - Proposition 65 - Reproductive Toxicity - Male		
• Talc	14807-96-6	Not Listed
• Titanium dioxide	13463-67-7	Not Listed
• Limestone	1317-65-3	Not Listed
• Zinc stearate	557-05-1	Not Listed
• Fiberglass	65997-17-3	Not Listed

United States - Pennsylvania

Labor

U.S. - Pennsylvania - RTK (Right to Know) - Environmental Hazard List		
• Talc	14807-96-6	Not Listed
• Titanium dioxide	13463-67-7	Not Listed
• Limestone	1317-65-3	Not Listed
• Zinc stearate	557-05-1	
• Fiberglass	65997-17-3	Not Listed
U.S. - Pennsylvania - RTK (Right to Know) - Special Hazardous Substances		
• Talc	14807-96-6	Not Listed
• Titanium dioxide	13463-67-7	Not Listed
• Limestone	1317-65-3	Not Listed
• Zinc stearate	557-05-1	Not Listed
• Fiberglass	65997-17-3	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)

- H351 - Suspected of causing cancer.
  H373 - May cause damage to organs through prolonged or repeated exposure.

Revision Date

- 24/June/2016

Preparation Date

- 24/June/2016

Disclaimer/Statement of Liability

- The information herein is given in good faith but no warranty, expressed or implied, is made.

Key to abbreviations

NDA = No Data Available