

SAFETY DATA SHEET – CELBEX 653

SECTION 1. IDENTIFICATION

Product Identifier	Celbex 653
Other Means of Identification	Cement grout additive
Recommended Use	Professional use only
Restrictions on Use	None known
Supplier Identifier	Multiurethanes Ltd. 5245 Creekbank Rd Mississauga, ON L4W 1N3 Canada
Emergency Telephone Number	1-800-663-6633

SECTION 2. HAZARD IDENTIFICATION

Classification	
<u>Skin Irritation</u>	Category 2
<u>Eye Irritation</u>	Category 2B
<u>Carcinogenicity</u>	Category 1A
<u>Specific Target Organ Toxicity - Single Exposure</u>	Category 3

Label Elements
Hazard Pictograms



<u>Signal Word</u>	DANGER
<u>Hazard Statements</u>	Causes skin irritation. Causes eye irritation. May cause respiratory irritation. May cause cancer (inhalation).

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Precautionary Statements

Prevention

Wear appropriate protective equipment.
 Avoid breathing dust.
 Wash hands and exposed skin after handling.

Response

IF ON SKIN: Remove contaminated clothing. Rinse off affected area with water. If irritation or rash occurs, seek medical attention.
 IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. Seek immediate medical attention.
 IF INHALED: Remove person to fresh air. Seek medical attention.

Storage

Store in a dry, cool place. Do not store with acids.

Disposal

Dispose of material in accordance with all applicable federal, state/provincial, and local laws and regulations. Regulations may vary in different locations. Waste characterizations and compliance with applicable laws are the sole responsibility of the waste generator.

Other Hazards

Product is used with Portland Cement or other caustic material which may cause an allergic skin reaction in sensitive individuals. Wet cement can dry the skin and cause chemical burns. Product contains a low percentage of quartz in which exposure to amounts that will result in chronic symptoms is highly unlikely; however, repeated, or prolonged exposure to respirable (airborne) crystalline silica dust will cause lung damage in the form of silicosis and may cause cancer.

SECTION 3. COMPOSITION / INFORMATION ON INGREDIENTS

Mixture

<u>Chemical Name</u>	<u>CAS No.</u>	<u>Concentration (% by weight)</u>	<u>Common Names / Synonyms</u>	<u>Other Identifiers</u>
Limestone	1317-65-3	40 - 70%	Not available	Not available
Thixotropic Agent	Not reported	15 - 40%	Not available	Not available
Quartz	14808-60-7	1 – 5%	Not available	Not available

Notes

A range of concentration as prescribed by the Controlled Products Regulations has been used where necessary, due to varying composition.

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SECTION 4. FIRST-AID MEASURES

Inhalation	When symptoms occur, go into open air and ventilate suspected area. Keep at rest and in a position comfortable for breathing. Seek medical attention.
Skin Contact	Remove contaminated clothing. Rinse off affected area with water. If irritation develops or persists, seek medical attention.
Eye Contact	Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. Seek immediate medical attention.
Ingestion	Rinse mouth. Do not induce vomiting. If spontaneous vomiting occurs, have victim lean forward with head positioned between legs to avoid breathing in of vomit, rinse mouth and have victim drink plenty of water. Never give anything by mouth to an unconscious person. Seek immediate medical attention.
Most Important Symptoms and Effects, Acute and Delayed	Eye irritation can be serious and may cause eye damage if left untreated. May cause skin and respiratory irritation. Causes irritation to the respiratory tract. Ingestion is likely to be harmful or have adverse effects. Product contains a low percentage of quartz in which exposure to amounts that will result in chronic symptoms is highly unlikely; however, repeated or prolonged exposure to respirable (airborne) crystalline silica dust will cause lung damage in the form of silicosis and may cause cancer.
Indication of Immediate Medical Attention and Special Treatment Needed	Treat symptomatically. If exposed or concerned, seek medical advice and attention.

SECTION 5. FIRE-FIGHTING MEASURES

Extinguishing Media	
<u>Suitable Extinguishing Media</u>	Use media suitable to the surrounding fire.
<u>Unsuitable Extinguishing Media</u>	Do not use a heavy water stream. Use of heavy stream of water may spread fire.
Specific Hazards Arising from the Product	Product is not flammable and not explosive. No decomposition if used and stored according to specifications.

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Special Protective Equipment and Precautions for Firefighters Exercise caution when fighting any chemical fire. Firefighters should wear full protective gear. Use water spray or fog for cooling exposed containers.

SECTION 6. ACCIDENTAL RELEASE MEASURES

Personal Precautions, Protective Equipment and Emergency Procedures Do not get in eyes or on skin. Do not breathe dust. Use appropriate personal protective equipment. Evacuate danger area. Equip cleanup crew with proper protection.

Methods and Material for Containment and Cleaning Up In the event of a spill or leak, sweep up material. Avoid generation of dust during clean-up of spills. Clear up spills immediately and dispose of waste safely.

Notification Procedures Not available

Environmental Precautions Avoid release to the environment.

SECTION 7. HANDLING AND STORAGE

Precautions for Safe Handling Good housekeeping is needed during storage, transfer, handling, and use of this material to avoid excessive dust accumulation. Handle in accordance with good industrial hygiene and safety procedures. Always wash hands immediately after handling this product.

Conditions for Safe Storage (including incompatibilities) Store in a dry, cool place. Do not store with acids.

SECTION 8. EXPOSURE CONTROLS / PERSONAL PROTECTION

Control Parameters – Occupational Exposure Limits

Chemical Name	Type	Exposure Limit Values	Source
Limestone	TWA	5 mg/m ³	USA OSHA PEL, USA NIOSH REL
Limestone	TWA	10 mg/m ³	Canada (AB, NB, NU, NT, SK, YT) OEL
Limestone	STEL	20 mg/m ³	Canada (BC, SK, YT) OEL
Limestone	TWA	3 mg/m ³	Canada (BC) OEL
Limestone	Not available	10 mg/m ³ (Limestone, containing no Asbestos and <1% Crystalline silica)	Canada (QC) VEMP
Thixotropic Agent	TWA	5 mg/m ³	USA OSHA PEL, USA NIOSH REL
Thixotropic Agent	TWA	10 mg/m ³	Canada (AB, NB, NU, NT, SK, YT) OEL
Thixotropic Agent	STEL	20 mg/m ³	Canada (BC, SK, YT) OEL

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Thixotropic Agent	TWA	3 mg/m ³ (particulate matter containing no Asbestos and <1% Crystalline silica)	Canada (BC) OEL
Thixotropic Agent	Not available	5 mg/m ³ (containing no Asbestos and <1% Crystalline silica)	Canada (QC) VEMP
Quartz	TWA	0.025 mg/m ³	USA ACGIH
Quartz	TWA	0.05 mg/m ³	USA NIOSH REL
Quartz	Not available	50 mg/m ³	USA IDLH
Quartz	TWA	0.025 mg/m ³	Canada (AB, BC, MB, NL, NS, PE) OEL
Quartz	TWA	0.1 mg/m ³	Canada (NB) OEL
Quartz	TWA	0.3 mg/m ³ (total mass)	Canada (NU, NT) OEL
Quartz	TWA	0.10 mg/m ³ (designated substances regulation)	Canada (ON) OEL
Quartz	Not available	0.1 mg/m ³	Canada (QC) VEMP
Quartz	TWA	300 particle/ml	Canada (YT) OEL

Appropriate Engineering Controls

Emergency eye wash fountains and safety showers should be available in the immediate vicinity of any potential exposure. Ensure adequate ventilation, especially in confined areas. Use general or local exhaust ventilation to maintain air concentrations below recommended exposure limits. Ensure all national/local regulations are observed.

Individual Protection Measures

Eye/Face Protection

Wear safety glasses with side shields or chemical goggles as appropriate to prevent eye contact.

Skin Protection

Wear chemically resistant protective gloves. Wear suitable chemically resistant protective clothing.

Respiratory Protection

Use a NIOSH-approved respirator “dust mask” in dusty conditions or whenever exposure may exceed established Occupational Exposure Limits.

Hygiene Measures

Do not eat, drink, smoke or use cosmetics while working with this product. Upon completion of work, wash hands before eating, drinking, smoking or use of toilet facilities.

SECTION 9. PHYSICAL AND CHEMICAL PROPERTIES

Appearance Solid white powder

Odour None

Odour Threshold Not applicable

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pH	Neutral when mixed with water
Melting Point / Freezing Point	Not applicable
Initial Boiling Point and Boiling Range	Not applicable
Flash Point	Not applicable
Evaporation Rate (BuAe = 1)	Not applicable
Flammability (solid, gas)	Not applicable
Upper/Lower Flammability or Explosive Limits	Not applicable
Vapour Pressure	Not applicable
Vapour Density (air = 1)	Not applicable
Relative Density (water = 1)	Not applicable
Solubility in Water	Slightly soluble
Solubility (other)	Not applicable
Partition Coefficient, n-octanol / water (logKow)	Not applicable
Auto-ignition Temperature	Not applicable
Decomposition Temperature	Not applicable
Viscosity	Not applicable

SECTION 10. STABILITY AND REACTIVITY

Reactivity	Not applicable
Chemical Stability	Stable under recommended handling and storage conditions (refer to section 7).

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Possibility of Hazardous Reactions	Hazardous polymerization will not occur.
Conditions to Avoid	Use of product in extremely high or low temperatures will affect set times.
Incompatible Materials	Acids
Hazardous Decomposition Products	Oxides of calcium. As in all fires, toxic and noxious fumes.

SECTION 11. TOXICOLOGICAL INFORMATION

Toxicological Data

<u>Chemical Name</u>	<u>LC50</u>	<u>LD50</u>
Quartz	Not available	> 5000 mg/kg (oral, rat)

Acute Toxicity	Not toxic based on mixture ingredients.
Respiratory and/or Skin Sensitization	Product is used with Portland Cement or other caustic material which may cause an allergic skin reaction in sensitive individuals. Wet cement can dry the skin and cause chemical burns.
Skin Corrosion / Irritation	Causes skin irritation.
Serious Eye Damage / Irritation	Causes serious eye irritation.
Specific Target Organ Toxicity - Single Exposure	Not available
Specific Target Organ Toxicity - Repeated Exposure	Not classified
Reproductive Toxicity	No toxicity based on mixture ingredients.
Germ Cell Mutagenicity	Not classified
Aspiration Hazard	Not classified
Information on Likely Routes of Exposure	
<u>Inhalation</u>	Yes

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Skin Contact Yes

Eye Contact Yes

Ingestion Yes

Signs and Symptoms of Exposure

Inhalation
Irritation to the respiratory tract.

Skin Contact
Causes skin irritation.

Eye Contact
Causes serious eye irritation. May lead to eye damage if not treated.

Ingestion
Ingestion is likely to be harmful or have adverse effects.

Potential Chronic Health Effects

Product is used with Portland Cement or other caustic material which may cause an allergic skin reaction in sensitive individuals. Wet cement can dry the skin and cause chemical burns. Product contains a low percentage of quartz in which exposure to amounts that will result in chronic symptoms is highly unlikely; however, repeated, or prolonged exposure to respirable (airborne) crystalline silica dust will cause lung damage in the form of silicosis and may cause cancer.

Carcinogenicity

May cause cancer (inhalation)

<u>Chemical Name</u>	<u>IARC</u>	<u>ACGIH</u>	<u>OSHA</u>
Quartz	1	Not available	Not available

SECTION 12. ECOLOGICAL INFORMATION

Ecotoxicity Not available

Persistence and Degradability Not available

Bioaccumulative Potential Not available

Mobility in Soil Not available

Other Adverse Effects Avoid release to the environment.

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SECTION 13. DISPOSAL CONSIDERATIONS

Disposal Methods

If this product as supplied becomes a waste, it does not meet the criteria of a hazardous waste as defined under the Resource Conservation and Recovery Act (RCRA) 40 CFR 261. Dispose of material in accordance with all applicable federal, state/provincial, and local laws and regulations. Regulations may vary in different locations. Waste characterizations and compliance with applicable laws are the sole responsibility of the waste generator.

SECTION 14. TRANSPORT INFORMATION

<u>Regulation</u>	<u>UN No.</u>	<u>Proper Shipping Name</u>	<u>Technical Name (for N.O.S. entry)</u>	<u>Transport Hazard Class(es)</u>	<u>Packing Group</u>
TDG	None	Not regulated	Not regulated	Not regulated	Not regulated
49 CFR/DOT	None	Not regulated	Not regulated	Not regulated	Not regulated
IMDG	None	Not regulated	Not regulated	Not regulated	Not regulated
ICAO/IATA	None	Not regulated	Not regulated	Not regulated	Not regulated

Tariff Classification Number 2924.19.1010

Special Precautions Not available

Environmental Hazards Refer to section 12.

Transport in bulk according to Annex II of MARPOL 73/78 and the IBC Code Not available

SECTION 15. REGULATORY INFORMATION

Canadian Information

Canada inventory (DSL/NDSL)

Limestone

Listed on Non-Domestic Substances List (NDSL)
Class D Division 2 Subdivision A - Very toxic material causing other toxic effects.

Thixotropic Agent

Listed on the Canadian DSL inventory.
Class E - Corrosive Material

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Quartz
Listed on the Canadian DSL inventory.
Listed on the Canadian Ingredient Disclosure List.
Class D Division 2 Subdivision A - Very toxic material causing other toxic effects.

NPRI Not available

CEPA Toxic substances Not available

US Information

United States Inventory (TSCA 8b) All listed on the inventory.

SARA 311/312 Immediate (acute) health hazard
Delayed (chronic) health hazard

SARA 313 Not available

State Regulation (MA) *Limestone, Quartz*
Right to Know List

State Regulation (MN) *Limestone*
Hazardous Substance List; Permissible Exposure Limits - TWAs

Quartz
Chemicals of High Concern; Hazardous Substance List;
Permissible Exposure Limits – TWAs

State Regulation (NJ) *Limestone*
Right to Know Hazardous Substance List

Quartz
Right to Know Hazardous Substance List; Special Health Hazards Substances List

State Regulation (PA) *Limestone, Quartz*
RTK (Right to Know) List

State Regulation (California Prop. 65) *Quartz*
Proposition 65 - Carcinogens List: WARNING: This product contains chemicals known to the State of California to cause cancer.

International Information Not available

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SECTION 16. OTHER INFORMATION

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Disclaimer The information provided in this document is correct to the best of our knowledge, information, and belief at the date of its publication. This information is offered solely for the consideration of the user, subject to their own investigation of compliance with applicable regulations, including the safe use of the product under every foreseeable condition. This information is designed only as a general guidance and is not to be considered a warranty or quality specification. This information relates only to the specific material designated and may not be valid for such material used in combination with any other materials or in any process, unless specified above.

END OF SAFETY DATA SHEET