

SAFETY DATA SHEET – CELBEX 653

SECTION 1. IDENTIFICATION

Product Identifier	Celbex 653
Other Means of Identification	Celbex
Recommended Use	Cement grout additive used when grouting in unstable soils, water-filled voids, and whenever flowing water conditions are present.
Restrictions on Use	Professional use only
Supplier Identifier	Multiurethanes Ltd. 5245 Creekbank Rd, Mississauga, ON L4W 1N3 (Canada)
Emergency Telephone Number	1-800-663-6633

SECTION 2. HAZARD IDENTIFICATION

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

Label Elements Hazard Pictograms



Signal Word
DANGER

Hazard Statements
Causes skin irritation.
Causes eye irritation.
May cause respiratory irritation.
May cause cancer (inhalation).

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.

SAFETY DATA SHEET – CELBEX 653

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

Due to its varying composition, a range of concentrations, as prescribed by the Controlled Products Regulations, has been used where necessary.

SECTION 4. FIRST-AID MEASURES

Inhalation

When symptoms occur, enter the open air and ventilate the suspected area. Keep at rest and in a position comfortable for breathing. Seek medical attention.

Skin Contact

Remove contaminated clothing. Rinse off the affected area with water. Obtain medical attention if irritation develops or persists.

Eye Contact

Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing for at least 15 minutes. Seek immediate medical attention.

Ingestion

Rinse mouth. Do not induce vomiting. If spontaneous vomiting occurs, have the victim lean forward with the head positioned between the legs to avoid breathing in the vomit, rinse the mouth and have the 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 severe and may cause eye damage if left untreated. May cause skin and respiratory irritation. Irritates 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.

SAFETY DATA SHEET – CELBEX 653

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 Suitable Extinguishing Media
Use media suitable to the surrounding fire.

Unsuitable Extinguishing Media
Do not use a heavy stream of water. A heavy stream of water may spread the fire.

Specific Hazards Arising from the Product The product is not flammable and not explosive. No decomposition if used and stored according to specifications.

Special Protective Equipment and Precautions for Firefighters Exercise caution when fighting any chemical fire. Firefighters should wear full protective gear. Cool exposed containers with water spray or fog. Hazardous combustion products include oxides of calcium.

SECTION 6. ACCIDENTAL RELEASE MEASURES

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

Methods and Material for Containment and Cleaning Up In the event of a spill or leak, sweep up the material. Avoid generating dust during spill clean-up. 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 when storing, transferring, handling, and using this material to avoid excessive dust accumulation. Follow good industrial hygiene and safety procedures. Always wash your hands immediately after handling this product and once again before leaving the workplace.

Conditions for Safe Storage (including incompatibilities) Store in a dry, cool place. Incompatible materials include acids.

SECTION 8. EXPOSURE CONTROLS / PERSONAL PROTECTION

Control Parameters – Occupational Exposure Limits

<u>Chemical Name</u>	<u>Type</u>	<u>Exposure Limit Values</u>	<u>Source</u>
Limestone	TWA	3 mg/m ³	BC (CA)

SAFETY DATA SHEET – CELBEX 653

Limestone	TWA	5 mg/m ³	OSHA PEL, NIOSH REL (US)
Limestone	TWA	10 mg/m ³	AB, NB, NU, NWT, SK, YK (CA)
Limestone	STEL	20 mg/m ³	BC, SK, YK (CA)
Limestone	VEMP	10 mg/m ³ (Limestone, containing no Asbestos and <1% Crystalline silica)	QC (CA)
Thixotropic Agent	TWA	3 mg/m ³ (particulate matter containing no Asbestos and <1% Crystalline silica)	BC (CA)
Thixotropic Agent	TWA	5 mg/m ³	OSHA PEL, NIOSH PEL (US)
Thixotropic Agent	TWA	10 mg/m ³	AB, NB, NU, NWT, SK, YK (CA)
Thixotropic Agent	STEL	20 mg/m ³	BC, SK, YK (CA)
Thixotropic Agent	VEMP	5 mg/m ³ (containing no Asbestos and <1% Crystalline silica)	QC (CA)
Quartz	TWA	0.025 mg/m ³	ACGIH (US); AB, BC, MB, NB, NL, NS, PEI (CA)
Quartz	TWA	0.05 mg/m ³	NIOSH REL (US); SK (CA)
Quartz	TWA	0.1 mg/m ³	NB, ON (CA)
Quartz	TWA	0.3 mg/m ³ (total mass)	NU, NWT (CA)
Quartz	TWA	300 particle/ml	YK (CA)
Quartz	VEMP	0.1 mg/m ³	QC (CA)

Appropriate Engineering Controls Emergency eyewash fountains and safety showers should be available near any potential exposure. Adequate ventilation, especially in confined areas, should also be ensured. Finally, all national/local regulations should be 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 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 using toilet facilities.

SECTION 9. PHYSICAL AND CHEMICAL PROPERTIES

Appearance	Solid white powder
Odour	None
Odour Threshold	Not applicable
pH	Neutral when mixed with water
Melting Point / Freezing Point	Not applicable
Initial Boiling Point and Boiling Range	Not applicable

SAFETY DATA SHEET – CELBEX 653

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).
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	Oral, rat: >5000 mg/kg

Acute Toxicity Not toxic based on mixture ingredients.

SAFETY DATA SHEET – CELBEX 653

Respiratory and/or Skin Sensitization	The 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 classified
Specific Target Organ Toxicity - Repeated Exposure	Not classified
Reproductive Toxicity	No, based on mixture ingredients.
Germ Cell Mutagenicity	Not classified
Aspiration Hazard	Not classified
Information on Likely Routes of Exposure	<u>Inhalation</u> Yes <u>Skin Contact</u> Yes <u>Eye Contact</u> Yes <u>Ingestion</u> Yes
Signs and Symptoms of Exposure	<u>Inhalation</u> Irritation to the respiratory tract. <u>Skin Contact</u> Causes skin irritation. <u>Eye Contact</u> Causes serious eye irritation. May lead to eye damage if not treated. <u>Ingestion</u> 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>NTP</u>	<u>ACGIH</u>	<u>OSHA</u>
Quartz	1	Known Human Carcinogens	Not available	Not available

SAFETY DATA SHEET – CELBEX 653

Thixotropic Agent
Class E - Corrosive Material

Quartz
Class D Division 2 Subdivision A - Very toxic material causing other toxic effects.

Canada inventory (DSL/NDSL)
Limestone
Listed on Non-Domestic Substances List (NDSL)

Thixotropic Agent
Listed on the Canadian DSL inventory.

Quartz
Listed on the Canadian DSL inventory.
Listed on the Canadian Ingredient Disclosure List.

US Information

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

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

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

State Regulations
Limestone
Idaho - Occupational Exposure Limits – TWAs
Massachusetts - Right To Know List
Michigan - Occupational Exposure Limits – TWAs
Minnesota - Hazardous Substance List
Minnesota - Permissible Exposure Limits – TWAs
New Jersey - Right to Know Hazardous Substance List
Oregon - Permissible Exposure Limits – TWAs
Pennsylvania - RTK (Right to Know) List
Tennessee - Occupational Exposure Limits – TWAs
Texas - Effects Screening Levels - Long Term
Texas - Effects Screening Levels - Short Term
Vermont - Permissible Exposure Limits – TWAs
Washington - Permissible Exposure Limits – STELs
Washington - Permissible Exposure Limits – TWAs

Quartz
Idaho - Non-Carcinogenic Toxic Air Pollutants - Acceptable Ambient Concentrations
Idaho - Non-Carcinogenic Toxic Air Pollutants - Emission Levels (ELs)
Idaho - Occupational Exposure Limits - Mineral Dusts
Illinois - Toxic Air Contaminant Carcinogens
Illinois - Toxic Air Contaminants
Maine - Chemicals of High Concern
Massachusetts - Right To Know List
Michigan - Occupational Exposure Limits – TWAs
Minnesota - Chemicals of High Concern
Minnesota - Hazardous Substance List

SAFETY DATA SHEET – CELBEX 653

Minnesota - Permissible Exposure Limits – TWAs
New Hampshire - Regulated Toxic Air Pollutants - Ambient Air Levels (AALs) - 24-Hour
New Hampshire - Regulated Toxic Air Pollutants - Ambient Air Levels (AALs) – Annual
New Jersey - Right to Know Hazardous Substance List
New Jersey - Special Health Hazards Substances List
Oregon - Permissible Exposure Limits - Mineral Dusts
Pennsylvania - RTK (Right to Know) List
Tennessee - Occupational Exposure Limits – TWAs
Texas - Effects Screening Levels - Long Term
Texas - Effects Screening Levels - Short Term
Vermont - Permissible Exposure Limits – TWAs
Washington - Permissible Exposure Limits – STELs
Washington - Permissible Exposure Limits - TWAs

International Information Not available

SECTION 16. OTHER INFORMATION

Date of Latest Revision July 4, 2024

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 general guidance and should not be considered a warranty or quality specification. This information relates only to the specific material designated. Unless specified above, it may not be valid for such material used in combination with other materials or in any process.

END OF SAFETY DATA SHEET