Safety Data Sheet

Section 1: Identification

Product identifier

Product Name • **Kwik Mix Mortar Mix**

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

Recommended use • Types of concrete

Details of the supplier of the safety data sheet

Manufacturer • Kwik-Mix Materials Limited
P.O. Box 520
Port Colborne L3K 5X7
Canada
www.kwikmix.com
sales@kwikmix.com

Telephone (General) • 905-834-6177

Emergency telephone number

Manufacturer • 905-834-6177 or 1-800-668-3140

Section 2: Hazard Identification

United States (US)

According to: OSHA 29 CFR 1910.1200 HCS

Classification of the substance or mixture

OSHA HCS 2012 • Skin Corrosion 1
Serious Eye Damage 1
Carcinogenicity 1A
Specific Target Organ Toxicity Repeated Exposure 1

Label elements

OSHA HCS 2012

DANGER

Hazard statements • May cause severe skin burns and eye damage.
May cause serious eye damage.

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 INHALED: Remove victim to fresh air and keep at rest in a position comfortable for breathing.
Immediately call a POISON CENTER/doctor.
IF ON SKIN (or hair): Take off immediately all contaminated clothing. Rinse skin with water/shower.
Wash contaminated clothing before reuse.
Specific treatment, see supplemental first aid information.
IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.
IF SWALLOWED: Rinse mouth. Do NOT induce vomiting.
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
- Skin Corrosion 1
Serious Eye Damage 1
Carcinogenicity 1A
Specific Target Organ Toxicity Repeated Exposure 1

Label elements

WHMIS 2015

DANGER

Hazard statements
- May cause severe skin burns and eye damage.
May causes serious eye damage.
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 INHALED: Remove person to fresh air and keep comfortable for breathing.
Immediately call a POISON CENTER/doctor.
IF ON SKIN (or hair): Take off immediately all contaminated clothing. Rinse skin with water or shower.
Wash contaminated clothing before reuse.
Specific treatment, see supplemental first aid information.
IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.
IF SWALLOWED: Rinse mouth. Do NOT induce vomiting.
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**
Portland cement	**CAS:**65997-15-1	25.2% TO 74%	NDA	**OSHA HCS 2012:** Skin Irrit. 2; Eye Dam. 1 **WHMIS 2015:** Skin Irrit. 2; Eye Dam. 1	NDA
Limestone	**CAS:**1317-65-3	0% TO 48.1%	NDA	**OSHA HCS 2012:** Not Classified **WHMIS 2015:** Not Classified	NDA
Calcium hydroxide	**CAS:**1305-62-0	0% TO 37%	Ingestion/Oral-Rat LD50 • 7340 mg/kg	**OSHA HCS 2012:** Skin Corr. 1; Eye Dam. 1 **WHMIS 2015:** Skin Corr. 1; Eye Dam. 1	NDA
Crystalline silica	**CAS:**14808-60-7	< 30.22%	NDA	**OSHA HCS 2012:** Carc. 1A; STOT RE 1 (Lungs, Inhl) **WHMIS 2015:** Carc. 1A; STOT RE 1 (Lungs, Inhl)	NDA
Mica	**CAS:**12001-26-2	0% TO 28%	NDA	**OSHA HCS 2012:** STOT RE 1 (Lung, Liver, Inhl) **WHMIS 2015:** STOT RE 1 (Lung, Liver, Inhl)	NDA
Cement kiln dust	**CAS:**68475-76-3	0% TO 11.1%	NDA	**OSHA HCS 2012:** Not Classified **WHMIS 2015:** Not Classified	NDA
Iron oxide	**CAS:**1309-37-1	0% TO 7.4%	NDA	**OSHA HCS 2012:** Hazard Not Otherwise Classified - Health Hazard - Metal fume fever **WHMIS 2015:** Not Classified	NDA
Gypsum	**CAS:**13397-24-5	1.44% TO 7.4%	NDA	**OSHA HCS 2012:** STOT RE 1 (Lungs) **WHMIS 2015:** STOT RE 1 (Lungs)	NDA

Bentonite	**CAS:**1302-78-9	0% TO 7.4%	NDA	**OSHA HCS 2012:** STOT RE 2 (Lungs, Inhl) **WHMIS 2015:** STOT RE 2 (Lungs, Inhl)	NDA
Magnesium oxide	**CAS:**1309-48-4	0% TO 2.96%	NDA	**OSHA HCS 2012:** Hazard Not Otherwise Classified - Health Hazard - Metal fume fever **WHMIS 2015:** Not Classified	NDA
Calcium oxide	**CAS:**1305-78-8	0% TO 2.96%	NDA	**OSHA HCS 2012:** Skin Corr. 1C; Eye Dam. 1; STOT SE 3: Resp. Irrit. **WHMIS 2015:** Skin Corr. 1C; Eye Dam. 1; STOT SE 3: Resp. Irrit.	NDA
Carbon Black	**CAS:**1333-86-4	0% TO 1.48%	Ingestion/Oral-Rat LD50 • >15400 mg/kg Skin-Rabbit LD50 • >3 g/kg	**OSHA HCS 2012:** Carc. 2; STOT RE 1 (Lungs, Inhl); Comb. Dust **WHMIS 2015:** Carc. 2; STOT RE 1 (Lungs, Inhl); Comb. Dust	NDA
Sodium carbonate	**CAS:**497-19-8	0% TO 1%	Ingestion/Oral-Rat LD50 • 4090 mg/kg Inhalation-Rat LC50 • 2300 mg/m³ 2 Hour(s)	**OSHA HCS 2012:** Acute Tox. 4 (Inhl); Eye Irrit. 2; STOT SE 3: Resp. Irrit. (Inhl) **WHMIS 2015:** Acute Tox. 4 (Inhl); Eye Irrit. 2; STOT SE 3: Resp. Irrit. (Inhl)	NDA
Chromium, ion (Cr 6+)	**CAS:**18540-29-9	< 0.074%	NDA	**OSHA HCS 2012:** Exposure Limit	NDA

Section 4: First-Aid Measures

Description of first aid measures

Inhalation • Move victim to fresh air. Administer oxygen if breathing is difficult. Do not use mouth-to-mouth method if victim inhaled the substance; give artificial respiration with the aid of a pocket mask equipped with a one-way valve or other proper respiratory medical device. Give artificial respiration if victim is not breathing. Get medical attention immediately.

Skin • For minor skin contact, avoid spreading material on unaffected skin. Wash skin with cool water and pH-neutral soap or a mild detergent intended for use on skin. Remove and isolate contaminated clothing. Get medical attention immediately.

Eye • In case of contact with substance, immediately flush eyes with running water for at least 20 minutes. Get medical attention immediately.

Ingestion • Do NOT induce vomiting. Give plenty of water to drink. Never give anything by mouth to an unconscious person. Do not use mouth-to-mouth method if victim ingested the substance. If swallowed, rinse mouth with water (only if the person is conscious) Obtain medical attention immediately if ingested.

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 • In case of fire use media as appropriate for surrounding fire.

Unsuitable Extinguishing Media • No data available

Special hazards arising from the substance or mixture

Unusual Fire and Explosion Hazards • No data available

Hazardous Combustion Products • NOx, CO2, CO, SOx.

Advice for firefighters

• Structural firefighters' protective clothing provides limited protection in fire situations ONLY; it is not effective in spill situations where direct contact with the substance is possible.
Wear chemical protective clothing that is specifically recommended by the manufacturer. It may provide little or no thermal protection.
Wear positive pressure self-contained breathing apparatus (SCBA).
SMALL FIRES: Move containers from fire area if you can do it without risk.

Section 6 - Accidental Release Measures

Personal precautions, protective equipment and emergency procedures

Personal Precautions • Ventilate enclosed areas. Do not walk through spilled material. Wear appropriate personal protective equipment, avoid direct contact. Do not touch damaged containers or spilled material unless wearing appropriate protective clothing.

Emergency Procedures • Isolate the hazard area. Keep out unnecessary and unprotected personnel.

Environmental precautions

• Avoid run off to waterways and sewers.

Methods and material for containment and cleaning up

Containment/Clean-up Measures • Avoid generating dust.
Carefully shovel or sweep up spilled material and place in suitable container.

Section 7 - Handling and Storage

Precautions for safe handling

Handling • Handle and open container with care. Use only with adequate ventilation. Use caution when combining with water; DO NOT add water to corrosive liquid, ALWAYS add corrosive liquid to water while stirring to prevent release of heat, steam and fumes. Wear appropriate personal protective equipment, avoid direct contact. Do not breathe dust. Do not get in eyes, on skin, or on clothing. Promptly remove dusty clothing, or clothing that is wet with material. Wash thoroughly with soap and water after handling and before eating, drinking, or using tobacco.

Conditions for safe storage, including any incompatibilities

Storage • Keep container tightly closed. Keep material as dry as possible until used. Normal temperatures and pressures do not affect the material.

Section 8 - Exposure Controls/Personal Protection

Control parameters

Exposure Limits/Guidelines				
	Result	**ACGIH**	**NIOSH**	**OSHA**
Calcium hydroxide (1305-62-0)	TWAs	5 mg/m3 TWA	5 mg/m3 TWA	15 mg/m3 TWA (total dust); 5 mg/m3 TWA (respirable fraction)
Calcium oxide (1305-78-8)	TWAs	2 mg/m3 TWA	2 mg/m3 TWA	5 mg/m3 TWA
Carbon Black (1333-86-4)	TWAs	3 mg/m3 TWA (inhalable fraction)	3.5 mg/m3 TWA; 0.1 mg/m3 TWA (Carbon black in presence of Polycyclic aromatic hydrocarbons, as PAH)	3.5 mg/m3 TWA
Iron oxide (1309-37-1)	TWAs	5 mg/m3 TWA (respirable fraction)	5 mg/m3 TWA (dust and fume, as Fe)	10 mg/m3 TWA (fume); 15 mg/m3 TWA (total dust, listed under

				Rouge); 5 mg/m3 TWA (respirable fraction, listed under Rouge)
Magnesium oxide (1309-48-4)	TWAs	10 mg/m3 TWA (inhalable fraction)	Not established	15 mg/m3 TWA (fume, total particulate)
Limestone (1317-65-3)	TWAs	Not established	10 mg/m3 TWA (total dust); 5 mg/m3 TWA (respirable dust)	15 mg/m3 TWA (total dust); 5 mg/m3 TWA (respirable fraction)
Mica (12001-26-2)	TWAs	3 mg/m3 TWA (respirable fraction)	3 mg/m3 TWA (containing <1% Quartz, respirable dust)	Not established
Chromium, ion (Cr 6+)	TWAs	Not established	0.0002 mg/m3 TWA (as Cr) *as Chromium (VI) compounds*	5 µg/m3 TWA
Gypsum (13397-24-5)	TWAs	10 mg/m3 TWA (inhalable fraction, listed under Calcium sulfate)	10 mg/m3 TWA (total dust); 5 mg/m3 TWA (respirable dust)	15 mg/m3 TWA (total dust); 5 mg/m3 TWA (respirable fraction)
Portland cement (65997-15-1)	TWAs	1 mg/m3 TWA (particulate matter containing no asbestos and <1% crystalline silica, respirable fraction)	10 mg/m3 TWA (total dust); 5 mg/m3 TWA (respirable dust)	15 mg/m3 TWA (total dust); 5 mg/m3 TWA (respirable fraction)
Crystalline silica (14808-60-7)	TWAs	0.025 mg/m3 TWA (respirable fraction)	0.05 mg/m3 TWA (respirable dust)	Not established

Exposure Limits Supplemental

OSHA

•Portland cement (65997-15-1): **Mineral Dusts:** (50 mppcf TWA (<1% Crystalline silica))

•Crystalline silica (14808-60-7): **Mineral Dusts:** ((30)/(%SiO2 + 2) mg/m3 TWA, total dust; (250)/(%SiO2 + 5) mppcf TWA, respirable fraction; (10)/(%SiO2 + 2) mg/m3 TWA, respirable fraction)

•Mica (12001-26-2): **Mineral Dusts:** (20 mppcf TWA (<1% Crystalline silica))

Exposure controls

Engineering Measures/Controls

- Good general ventilation should be used. Ventilation rates should be matched to conditions. If applicable, use process enclosures, local exhaust ventilation, or other engineering controls to maintain airborne levels below recommended exposure limits. If exposure limits have not been established, maintain airborne levels to an acceptable level.

Personal Protective Equipment

Respiratory

- Use properly fitted, particulate filter respirator complying with an approved standard if a risk assessment indicates this is necessary. Respirator selection must be based on known or anticipated exposure levels, the hazards of the product, and the assigned protection factor of the selected respirator.

Eye/Face

- Wear protective eyewear (goggles, face shield, or safety glasses).

Skin/Body

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

Environmental Exposure Controls

- Controls should be engineered to prevent release to the environment, including procedures to prevent spills, atmospheric release and release to waterways. 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
TWA = Time-Weighted Averages are based on 8h/day, 40h/week exposures

Section 9 - Physical and Chemical Properties

Information on Physical and Chemical Properties

Material Description			
Physical Form	Solid	Appearance/Description	White to grey powder with no odor.
Color	White to grey.	Odor	Odourless
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	12 to 13
Specific Gravity/Relative Density	2 to 8 Water=1	Water Solubility	Partially Soluble
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

- Unintentional contact with water.

Incompatible materials

- Wet material is alkaline. As such it is incompatible with acids, ammonium salts and aluminum metal.

Hazardous decomposition products

- Will not spontaneously occur. Adding water results in hydration and produces (caustic) calcium hydroxide.

Section 11 - Toxicological Information

Information on toxicological effects

Components		
Limestone (0% TO 48.1%)	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)**
Gypsum (1.44% TO 7.4%)	13397-24-5	**Acute Toxicity:** Inhalation-Human TCLo • 194 g/m³ 10 Year(s)-Intermittent; *Sense Organs and Special Senses:Olfaction*:**Other changes**; *Lungs, Thorax, or Respiration*:**Fibrosing alveolitis**; *Lungs, Thorax, or Respiration*:**Other changes**; **Tumorigen / Carcinogen:** Intraperitoneal-Rat TDLo • 450 mg/kg 3 Week(s)-Intermittent; *Tumorigenic*:**Carcinogenic by RTECS criteria**; *Tumorigenic*:**Tumors at site of application**
Calcium hydroxide (0% TO 37%)	1305-62-0	**Irritation:** Eye-Rabbit • 10 mg • Severe irritation
Iron oxide (0% TO 7.4%)	1309-37-1	**Acute Toxicity:** Inhalation-Rat TCLo • 0.8 mg/kg; *Lungs, Thorax, or Respiration*:**Emphysema**; *Biochemical:Enzyme inhibition, induction, or change in blood or tissue levels*:**Multiple enzyme effects**; *Biochemical:Metabolism (intermediary)*:**Effect on inflammation or mediation of inflammation**; Inhalation-Rat TCLo • 50 mg/m³ 60 Hour(s); *Behavioral*:**Excitement**; *Behavioral*:**Fluid intake**; *Gastrointestinal*:**Hypermotility, diarrhea**; **Multi-dose Toxicity:** Inhalation-Rat TCLo • 500 µg/m³ 24 Hour(s) 61 Day(s)-Continuous; *Brain and*

		Coverings:**Other degenerative changes**; *Blood*:**Changes in serum composition (e.g., TP, bilirubin cholesterol)**; *Biochemical:Enzyme inhibition, induction, or change in blood or tissue levels*:**True cholinesterase**
Bentonite (0% TO 7.4%)	1302-78-9	**Tumorigen / Carcinogen:** Ingestion/Oral-Mouse TDLo • 12000 g/kg 28 Week(s)-Continuous; *Tumorigenic*:**Equivocal tumorigenic agent by RTECS criteria**; *Liver*:**Tumors**
Magnesium oxide (0% TO 2.96%)	1309-48-4	**Multi-dose Toxicity:** Inhalation-Rat TCLo • 1000 mg/m³ 4 Hour(s) 50 Day(s)-Intermittent; *Lungs, Thorax, or Respiration*:**Other changes**; *Blood*:**Other hemolysis with or without anemia**
Carbon Black (0% TO 1.48%)	1333-86-4	**Acute Toxicity:** Ingestion/Oral-Rat LD50 • >15400 mg/kg; *Behavioral*:**Somnolence (general depressed activity)**; Skin-Rabbit LD50 • >3 g/kg; **Mutagen:** DNA adduct • Inhalation-Mouse • 6200 µg/m³ 16 Hour(s) 12 Week(s)-Intermittent; DNA damage • Inhalation-Rat • 50 µg/L 13 Week(s)-Intermittent; DNA damage • Inhalation-Rat • 50 g/L 13 Week(s); **Tumorigen / Carcinogen:** Inhalation-Rat TCLo • 11600 µg/m³ 18 Hour(s) 2 Year(s)-Intermittent; *Tumorigenic*:**Carcinogenic by RTECS criteria**; *Lungs, Thorax, or Respiration*:**Tumors**
Crystalline silica (< 30.22%)	14808-60-7	**Acute Toxicity:** Inhalation-Human TCLo • 16 mppcf 8 Hour(s) 17.9 Year(s)-Intermittent; *Lungs, Thorax, or Respiration*:**Fibrosis, focal (pneumoconiosis)**; *Lungs, Thorax, or Respiration*:**Cough**; *Lungs, Thorax, or Respiration*:**Dyspnea**; Inhalation-Rat TCLo • 200 mg/kg; *Lungs, Thorax, or Respiration*:**Fibrosis, focal (pneumoconiosis)**; *Lungs, Thorax, or Respiration*:**Other changes**; *Nutritional and Gross Metabolic:Changes in Chemistry or Temperature*:**Fe**; **Multi-dose Toxicity:** Inhalation-Hamster TCLo • 3 mg/m³ 6 Hour(s) 78 Week(s)-Intermittent; *Lungs, Thorax, or Respiration*:**Fibrosis (interstitial)**; *Lungs, Thorax, or Respiration*:**Changes in lung weight**; Inhalation-Rat TCLo • 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 TCLo • 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**; **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; **Tumorigen / Carcinogen:** Inhalation-Rat TCLo • 50 mg/m³ 6 Hour(s) 71 Week(s)-Intermittent; *Tumorigenic*:**Carcinogenic by RTECS criteria**; *Liver*:**Tumors**
Sodium carbonate (0% TO 1%)	497-19-8	**Acute Toxicity:** Ingestion/Oral-Rat LD50 • 4090 mg/kg; Inhalation-Rat LC50 • 2300 mg/m³ 2 Hour(s); *Lungs, Thorax, or Respiration*:**Dyspnea**; *Gastrointestinal*:**Other changes**; **Irritation:** Eye-Rabbit • 100 mg 24 Hour(s) • Moderate irritation; Skin-Rabbit • 500 mg 24 Hour(s) • Mild irritation

GHS Properties	Classification
Acute toxicity	**OSHA HCS 2012**•No data available **WHMIS 2015**•No data available
Skin corrosion/Irritation	**OSHA HCS 2012**•Skin Corrosion 1 **WHMIS 2015**•Skin Corrosion 1
Serious eye damage/Irritation	**OSHA HCS 2012**•Serious Eye Damage 1 **WHMIS 2015**•Serious Eye Damage 1
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)
- May cause corrosive burns - irreversible damage.

Chronic (Delayed)
- Repeated or prolonged exposure to corrosive fumes may cause bronchial irritation with chronic cough. Repeated and prolonged exposure to dust may cause lung effects including pneumoconiosis. Repeated or prolonged exposure may cause damage to the liver.

Skin

Acute (Immediate)
- May cause severe skin burns and eye damage.

Chronic (Delayed)
- Repeated or prolonged exposure to corrosive materials will cause dermatitis.

Eye

Acute (Immediate)
- May cause serious eye damage.

Chronic (Delayed)
- Repeated or prolonged exposure to corrosive materials or fumes may cause conjunctivitis.

Ingestion

Acute (Immediate)
- May cause irreversible damage to mucous membranes.

Chronic (Delayed)
- Repeated or prolonged exposure to corrosive materials or fumes may cause gastrointestinal disturbances.

Carcinogenic Effects
- Repeated and prolonged exposure may cause cancer.

Carcinogenic Effects

	CAS	OSHA	IARC	NTP
Carbon Black	1333-86-4	Not Listed	Group 2B-Possible Carcinogen	Not Listed
Chromium, ion (Cr 6+)	18540-29-9	Specifically Regulated Carcinogen	Group 1-Carcinogenic	Not Listed
Crystalline silica	14808-60-7	Not Listed	Group 1-Carcinogenic	Known Human Carcinogen

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

Section 12 - Ecological Information

Toxicity

- No recognized unusual toxicity to plants or animals.

Persistence and degradability

- No data available

Bioaccumulative potential

- No data available

Mobility in Soil

- No data available

Other adverse effects

- No studies have been found.

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

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

SARA Hazard Classifications
- Acute, Chronic

Canada

Labor

Canada - WHMIS 1988 - Classifications of Substances

•Gypsum	13397-24-5	Not Listed
•Chromium, ion (Cr 6+)	18540-29-9	Not Listed
•Portland cement	65997-15-1	E
•Calcium hydroxide	1305-62-0	E
•Calcium oxide	1305-78-8	E
•Carbon Black	1333-86-4	D2A (In certain cases, this classification does not apply. For more information, consult the section Substance Specific Issues - Carbon Black, non-respirable on Health Canada's WHMIS Division website.)
•Iron oxide	1309-37-1	Uncontrolled product according to WHMIS classification criteria
•Magnesium oxide	1309-48-4	Uncontrolled product according to WHMIS classification criteria
•Mica	12001-26-2	Uncontrolled product according to WHMIS classification criteria (containing less than 1% Quartz)

•Limestone	1317-65-3	D2A
•Crystalline silica	14808-60-7	D2A (In certain cases, this classification does not apply. For more information, consult the section Substance Specific Issues - Silica, crystalline, encapsulated on Health Canada's WHMIS Division website.)
•Bentonite	1302-78-9	D2A
•Cement kiln dust	68475-76-3	Not Listed

Canada - WHMIS 1988 - Ingredient Disclosure List

•Gypsum	13397-24-5	Not Listed
•Chromium, ion (Cr 6+)	18540-29-9	Not Listed
•Portland cement	65997-15-1	Not Listed
•Calcium hydroxide	1305-62-0	1 %
•Calcium oxide	1305-78-8	1 %
•Carbon Black	1333-86-4	1 %
•Iron oxide	1309-37-1	1 %
•Magnesium oxide	1309-48-4	1 %
•Mica	12001-26-2	1 %
•Limestone	1317-65-3	Not Listed
•Crystalline silica	14808-60-7	1 %
•Bentonite	1302-78-9	Not Listed
•Cement kiln dust	68475-76-3	Not Listed

United States

Labor

U.S. - OSHA - Specifically Regulated Chemicals

•Gypsum	13397-24-5	Not Listed
•Chromium, ion (Cr 6+)	18540-29-9	5 µg/m3 TWA (See 29 CFR 1910.1026); 2.5 µg/m3 Action Level
•Portland cement	65997-15-1	Not Listed
•Calcium hydroxide	1305-62-0	Not Listed
•Calcium oxide	1305-78-8	Not Listed
•Carbon Black	1333-86-4	Not Listed
•Iron oxide	1309-37-1	Not Listed
•Magnesium oxide	1309-48-4	Not Listed
•Mica	12001-26-2	Not Listed
•Limestone	1317-65-3	Not Listed
•Crystalline silica	14808-60-7	Not Listed
•Bentonite	1302-78-9	Not Listed
•Cement kiln dust	68475-76-3	Not Listed

United States - California

Environment

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

•Gypsum	13397-24-5	Not Listed
•Chromium, ion (Cr 6+)	18540-29-9	Not Listed
•Portland cement	65997-15-1	Not Listed
•Calcium hydroxide	1305-62-0	Not Listed
•Calcium oxide	1305-78-8	Not Listed
•Carbon Black	1333-86-4	carcinogen, 2/21/2003 (airborne, unbound particles of respirable size)
•Iron oxide	1309-37-1	Not Listed
•Magnesium oxide	1309-48-4	Not Listed
•Mica	12001-26-2	Not Listed
•Limestone	1317-65-3	Not Listed
•Crystalline silica	14808-60-7	Not Listed

•Bentonite	1302-78-9	Not Listed
•Cement kiln dust	68475-76-3	Not Listed
U.S. - California - Proposition 65 - Maximum Allowable Dose Levels (MADL)		
•Gypsum	13397-24-5	Not Listed
•Chromium, ion (Cr 6+)	18540-29-9	8.2 µg/day MADL (oral)
•Portland cement	65997-15-1	Not Listed
•Calcium hydroxide	1305-62-0	Not Listed
•Calcium oxide	1305-78-8	Not Listed
•Carbon Black	1333-86-4	Not Listed
•Iron oxide	1309-37-1	Not Listed
•Magnesium oxide	1309-48-4	Not Listed
•Mica	12001-26-2	Not Listed
•Limestone	1317-65-3	Not Listed
•Crystalline silica	14808-60-7	Not Listed
•Bentonite	1302-78-9	Not Listed
•Cement kiln dust	68475-76-3	Not Listed

Other Information

- WARNING: This product contains a chemical known to the State of California to cause cancer.

Section 16 - Other Information

Revision Date	• 06/December/2023
Last Revision Date	• 13/September/2018
Preparation Date	• 10/October/2016
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Key to abbreviations

NDA = No Data Available