

# SAFETY DATA SHEET



## MLife 300C Grey 21,772KG IP22

Version 3.0      Revision Date: 08/15/2023      SDS Number: 000000989231      Date of last issue: 07/28/2023  
Date of first issue: 01/09/2023

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### SECTION 1. IDENTIFICATION

Product name : MLife 300C Grey 21,772KG IP22  
Product code : 000000000050702761 000000000050702761  
Other means of identification : No data available

#### Manufacturer or supplier's details

Company name of supplier : Master Builders Solutions Canada Inc.  
Address : 1800 CLARK BLVD  
Brampton ON L6T 4M7  
Emergency telephone : ChemTel: +1-813-248-0585;  
National Emergency Telephone Number : USA: +1-800-255-3924 ChemTel contract no. MIS9240420

#### Recommended use of the chemical and restrictions on use

Recommended use : Product for construction chemicals  
Restrictions on use : Reserved for industrial and professional use.

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### SECTION 2. HAZARDS IDENTIFICATION

#### GHS classification in accordance with the Hazardous Products Regulations

Skin irritation : Category 2  
Serious eye damage : Category 1  
Carcinogenicity (Inhalation) : Category 1A  
Specific target organ toxicity - single exposure : Category 3 (Respiratory system)  
Specific target organ toxicity - repeated exposure (Inhalation) : Category 1 (Lungs)  
Specific target organ toxicity - repeated exposure (Inhalation) : Category 2 (Immune system, Kidney)

#### GHS label elements

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Hazard pictograms :



Signal Word : Danger

Hazard Statements : H318 Causes serious eye damage.  
H315 Causes skin irritation.  
H335 May cause respiratory irritation.  
H350i May cause cancer by inhalation.  
H372 Causes damage to organs (Lungs) through prolonged or repeated exposure if inhaled.  
H373 May cause damage to organs (Immune system, Kidney) through prolonged or repeated exposure if inhaled.

Precautionary Statements :

**Prevention:**

P280 Wear protective gloves/ protective clothing/ eye protection/ face protection.  
P201 Obtain special instructions before use.  
P271 Use only outdoors or in a well-ventilated area.  
P260 Do not breathe dusts or mists.  
P202 Do not handle until all safety precautions have been read and understood.  
P270 Do not eat, drink or smoke when using this product.  
P264 Wash face, hands and any exposed skin thoroughly after handling.

**Response:**

P305 + P351 + P338 IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.  
P304 + P340 IF INHALED: Remove person to fresh air and keep comfortable for breathing.  
P302 + P352 IF ON SKIN: Wash with plenty of water.  
P362 + P364 Take off contaminated clothing and wash it before reuse.  
P310 Immediately call a POISON CENTER or doctor/ physician.

**Storage:**

P403 + P233 Store in a well-ventilated place. Keep container tightly closed.  
P405 Store locked up.

**Disposal:**

P501 Dispose of contents/container to appropriate hazardous waste collection point.

**Other hazards**

In combination with water, repeated or prolonged dermal exposure can cause moderate to severe alkali burns.

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### SECTION 3. COMPOSITION/INFORMATION ON INGREDIENTS

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Chemical nature : modified cement mortar

### Components

Chemical name	Common Name/Synonym	CAS-No.	Concentration (% w/w)
Cement, portland, chemicals	Portland cement	65997-15-1	>= 25 - < 75
sodium carbonate	Carbonic acid disodium salt	497-19-8	>= 15 - < 20
Iron oxide	Ferric oxide	1309-37-1	>= 10 - < 20
Limestone	Calcium carbonate	1317-65-3	>= 3 - < 15
Titanium dioxide	C.I. Pigment White 6	13463-67-7	>= 0 - < 10
Gypsum (Ca(SO <sub>4</sub> ).2H <sub>2</sub> O)	Calcium sulfate dihydrate	13397-24-5	>= 0 - < 7
Tartaric acid	Butanedioic acid, 2,3-dihydroxy-[R-(R,R)]-	87-69-4	>= 1 - < 3
Quartz (SiO <sub>2</sub> )	Crystalline silica	14808-60-7	>= 0 - < 5
calcium oxide	quicklime	1305-78-8	>= 0 - < 5
magnesium oxide	magnesia	1309-48-4	>= 0 - < 5

### SECTION 4. FIRST AID MEASURES

- General advice : First aid personnel should pay attention to their own safety.  
Remove contaminated clothing.
- If inhaled : After inhalation of dust.  
Keep patient calm, remove to fresh air.  
If difficulties occur:  
Seek medical attention.
- In case of skin contact : After contact with skin, wash immediately with plenty of water and soap.  
Under no circumstances should organic solvent be used.  
If irritation develops, seek medical attention.
- In case of eye contact : In case of contact, immediately flush eyes with plenty of water for at least 15 minutes.  
Keep eye wide open while rinsing.  
Remove contact lenses.  
Seek medical advice.  
If eye irritation persists, consult a specialist.
- If swallowed : Immediately rinse mouth and then drink 200-300 ml of water, seek medical attention.  
Do not induce vomiting unless told to by a poison control center or doctor.
- Most important symptoms and effects, both acute and : Causes skin irritation.  
Causes serious eye damage.

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delayed      May cause respiratory irritation.  
May cause cancer by inhalation.  
Causes damage to organs through prolonged or repeated exposure if inhaled.

Notes to physician      :    Treat symptomatically.

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### SECTION 5. FIRE-FIGHTING MEASURES

- Suitable extinguishing media    :    Foam  
Dry powder  
Water spray  
Carbon dioxide (CO2)
  - Unsuitable extinguishing media    :    High volume water jet
  - Specific hazards during fire fighting    :    Product is not combustible or explosive.
  - Hazardous combustion products    :    harmful vapours
  - Further information    :    Product itself is non-combustible; fire extinguishing method of surrounding areas must be considered.  
The degree of risk is governed by the burning substance and the fire conditions.  
Dispose of fire debris and contaminated extinguishing water in accordance with official regulations.
  - Special protective equipment for fire-fighters    :    Wear self-contained breathing apparatus and chemical-protective clothing.
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### SECTION 6. ACCIDENTAL RELEASE MEASURES

- Personal precautions, protective equipment and emergency procedures    :    Avoid dust formation.  
Avoid contact with skin and eyes.  
Do not inhale dusts.  
Use personal protective clothing.  
Wear appropriate respiratory protection.  
Handle in accordance with good building materials hygiene and safety practice.
  - Environmental precautions    :    Do not discharge into drains/surface waters/groundwater.
  - Methods and materials for containment and cleaning up    :    Sweep up and shovel into suitable containers for disposal.  
Avoid dust formation.  
Keep in suitable, closed containers for disposal.  
Rinse with plenty of water.
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### SECTION 7. HANDLING AND STORAGE

- Advice on protection against    :    No special precautions necessary.
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fire and explosion

Advice on safe handling : Avoid dust formation.  
 Do NOT breathe dust because it is hazardous to respiratory system.  
 Avoid contact with skin and eyes.  
 The Cement contained in this product reacts alkaline when in contact with water or humidity. This may cause severe irritation of skin or mucous membranes. The humidity of the skin or mucous membranes is enough for this reaction. Prolonged direct contact to the dry product should be avoided therefore. Pour downwind and allow as little free fall as possible while emptying bags into equipment.  
 Breathing must be protected when large quantities are de-canted without local exhaust ventilation.

Further information on storage conditions : Containers should be stored tightly sealed in a dry place.

Materials to avoid : Keep away from water.  
 Segregate from metals.  
 Segregate from acids and bases.  
 Segregate from oxidants.  
 Segregate from foods and animal feeds.

### SECTION 8. EXPOSURE CONTROLS/PERSONAL PROTECTION

#### Ingredients with workplace control parameters

Components	CAS-No.	Value type (Form of exposure)	Control parameters / Permissible concentration	Basis
calcium oxide	1305-78-8	TWA	2 mg/m3	CA AB OEL
			2 mg/m3	CA BC OEL
		TWAEV	2 mg/m3	CA QC OEL
			2 mg/m3	ACGIH
Iron oxide	1309-37-1	TWA (Respirable)	5 mg/m3	CA AB OEL
			5 mg/m3	CA AB OEL
		TWA (Fumes)	5 mg/m3 (Iron)	CA BC OEL
			5 mg/m3 (Iron)	CA BC OEL
		TWA (Dust)	5 mg/m3 (Iron)	CA BC OEL
			5 mg/m3 (Iron)	CA BC OEL
		STEL (Fumes)	10 mg/m3 (Iron)	CA BC OEL
			10 mg/m3 (Iron)	CA BC OEL
		TWAEV (fume and	5 mg/m3 (Iron)	CA QC OEL

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		dust)		
		TWAEV (fume and dust)	5 mg/m3 (Iron)	CA QC OEL
		TWA (Respirable particulate matter)	5 mg/m3	ACGIH
		TWA (Respirable particulate matter)	5 mg/m3	ACGIH
magnesium oxide	1309-48-4	TWA (Fumes)	10 mg/m3	CA AB OEL
		TWA (Inhalable fume)	10 mg/m3 (Magnesium)	CA BC OEL
		TWA (Respirable dust and fume)	3 mg/m3 (Magnesium)	CA BC OEL
		STEL (Respirable dust and fume)	10 mg/m3 (Magnesium)	CA BC OEL
		TWAEV (inhalable dust)	10 mg/m3	CA QC OEL
		TWA (Inhalable particulate matter)	10 mg/m3	ACGIH
Limestone	1317-65-3	TWA	10 mg/m3	CA AB OEL
		TWAEV (total dust)	10 mg/m3	CA QC OEL
		TWA (Total dust)	10 mg/m3	CA BC OEL
		TWA (respirable dust fraction)	3 mg/m3	CA BC OEL
		STEL	20 mg/m3	CA BC OEL
Gypsum (Ca(SO4).2H2O)	13397-24-5	TWA	10 mg/m3	CA AB OEL
		TWA (Total dust)	10 mg/m3	CA BC OEL
		TWA (respirable dust fraction)	3 mg/m3	CA BC OEL
		STEL	20 mg/m3	CA BC OEL
		TWA (Inhalable particulate matter)	10 mg/m3 (Calcium)	ACGIH
Titanium dioxide	13463-67-7	TWA	10 mg/m3	CA AB OEL
		TWA (Total dust)	10 mg/m3	CA BC OEL
		TWA (respirable dust fraction)	3 mg/m3	CA BC OEL
		TWAEV (total dust)	10 mg/m3	CA QC OEL

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		TWA (Respirable particulate matter)	0.2 mg/m3 (Titanium dioxide)	ACGIH
		TWA (Respirable particulate matter)	2.5 mg/m3 (Titanium dioxide)	ACGIH
Cement, portland, chemicals	65997-15-1	TWA	10 mg/m3	CA AB OEL
		TWA (Respirable)	1 mg/m3	CA BC OEL
		TWAEV (respirable dust)	1 mg/m3	CA QC OEL
		TWA (Respirable particulate matter)	1 mg/m3	ACGIH
Quartz (SiO2)	14808-60-7	TWA (Respirable particulates)	0.025 mg/m3	CA AB OEL
		TWA (Respirable fraction)	0.1 mg/m3	CA ON OEL
		TWAEV (respirable dust)	0.1 mg/m3	CA QC OEL
		TWA (Respirable)	0.025 mg/m3 (Silica)	CA BC OEL
		TWA (Respirable particulate matter)	0.025 mg/m3 (Silica)	ACGIH

**Engineering measures** : Provide local exhaust ventilation to maintain recommended P.E.L.

**Personal protective equipment**

Respiratory protection : Wear appropriate certified respirator when exposure limits may be exceeded.  
 Wear a NIOSH-certified (or equivalent) particulate respirator.

Hand protection

Remarks : Chemical resistant protective gloves. Manufacturer's directions for use should be observed because of great diversity of types.

Eye protection : Tightly fitting safety goggles (chemical goggles).

Skin and body protection : Body protection must be chosen based on level of activity and exposure.

Protective measures : Do not inhale vapours or dust.

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Avoid contact with the skin, eyes and clothing.  
 In order to prevent contamination while handling, closed working clothes and working gloves should be used.  
 Handle in accordance with good building materials hygiene and safety practice.

Hygiene measures : When using, do not eat, drink or smoke.  
 Hands and/or face should be washed before breaks and at the end of the shift.  
 At the end of the shift the skin should be cleaned and skin-care agents applied.  
 Gloves must be inspected regularly and prior to each use.  
 Replace if necessary (e.g. pinhole leaks).  
 Remove contaminated clothing immediately and clean before re-use or dispose it if necessary.

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**SECTION 9. PHYSICAL AND CHEMICAL PROPERTIES**

Appearance	:	powder
Color	:	various colours
Odor	:	almost odourless
Odor Threshold	:	Not determined due to potential health hazard by inhalation.
pH	:	12 - 13 (20 °C)
Melting point	:	No data available
Freezing point	:	Not applicable
Boiling point	:	The product is a non-volatile solid.
Flash point	:	Not applicable
Evaporation rate	:	The product is a non-volatile solid.
Flammability (solid, gas)	:	Will not burn
Self-ignition	:	not self-igniting
Upper explosion limit / Upper flammability limit	:	As a result of our experience with this product and our knowledge of its composition we do not expect any hazard as long as the product is used appropriately and in accordance with the intended use.
Lower explosion limit / Lower flammability limit	:	As a result of our experience with this product and our knowledge of its composition we do not expect any hazard as long as the product is used appropriately and in accordance



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		with the intended use.
Vapor pressure	:	The value has not be determined because of the high melting point.
Relative vapor density	:	The product is a non-volatile solid.
Relative density	:	No data available
Density	:	2.3 - 3.3 g/cm <sup>3</sup> (20.00 °C)
Bulk density	:	2,300 - 3,300 kg/m <sup>3</sup>
Solubility(ies)		
Water solubility	:	dispersible (20.00 °C)
Solubility in other solvents	:	No data available
Partition coefficient: n-octanol/water	:	Not applicable
Autoignition temperature	:	Based on the composition, the product does not ignite
Decomposition temperature	:	No decomposition if stored and handled as prescribed/indicated.
Viscosity		
Viscosity, dynamic	:	No data available
Viscosity, kinematic	:	No data available
Explosive properties	:	Not explosive
Oxidizing properties	:	Not an oxidizer.
Sublimation point	:	Not applicable
Molecular weight	:	Not applicable

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### SECTION 10. STABILITY AND REACTIVITY

Reactivity	:	No hazardous reactions if stored and handled as prescribed/indicated.
Chemical stability	:	The product is stable if stored and handled as prescribed/indicated.
Possibility of hazardous reactions	:	Strong bases are formed on the addition of water. The product is stable if stored and handled as prescribed/indicated.
Conditions to avoid	:	Avoid dust formation. Avoid humidity.



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### Aspiration toxicity

Not classified based on available information.

### Experience with human exposure

#### Product:

Skin contact : Remarks: In combination with water, repeated or prolonged dermal exposure can cause moderate to severe alkali burns.

### Further information

#### Product:

Remarks : Health injuries are not known or expected under normal use. The product has not been tested. The statements on toxicology have been derived from the properties of the individual components.

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## SECTION 12. ECOLOGICAL INFORMATION

### Ecotoxicity

#### Product:

#### Ecotoxicology Assessment

Acute aquatic toxicity : This product has no known ecotoxicological effects.

Chronic aquatic toxicity : This product has no known ecotoxicological effects.

### Persistence and degradability

#### Product:

Biodegradability : Remarks: Not applicable for inorganic substances.

### Bioaccumulative potential

#### Product:

Bioaccumulation : Remarks: The product will not be readily bioavailable due to its consistency and insolubility in water.

### Mobility in soil

#### Product:

Distribution among environmental compartments : Remarks: Following exposure to soil, adsorption to solid soil particles is probable, therefore contamination of groundwater is not expected. The substance will not evaporate into the atmosphere from the water surface.

### Other adverse effects

#### Product:

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Additional ecological information : Do not discharge product into the environment without control. The product has not been tested. The statements on ecotoxicology have been derived from the properties of the individual components.

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### SECTION 13. DISPOSAL CONSIDERATIONS

#### Disposal methods

Waste from residues : Do not discharge into drains/surface waters/groundwater. Dispose of in accordance with national, state and local regulations.

Contaminated packaging : Contaminated packaging should be emptied as far as possible and disposed of in the same manner as the substance/product.

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### SECTION 14. TRANSPORT INFORMATION

#### International Regulations

##### UNRTDG

Not regulated as a dangerous good

##### IATA-DGR

Not regulated as a dangerous good

##### IMDG-Code

Not regulated as a dangerous good

##### Transport in bulk according to Annex II of MARPOL 73/78 and the IBC Code

Not applicable for product as supplied.

#### Domestic regulation

##### TDG

Not regulated as a dangerous good

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### SECTION 15. REGULATORY INFORMATION

#### The ingredients of this product are reported in the following inventories:

TSCA : All substances listed as active on the TSCA inventory

DSL : All components of this product are on the Canadian DSL

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### SECTION 16. OTHER INFORMATION

#### Full text of other abbreviations

ACGIH : USA. ACGIH Threshold Limit Values (TLV)

CA AB OEL : Canada. Alberta, Occupational Health and Safety Code (table 2: OEL)

CA BC OEL : Canada. British Columbia OEL

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CA ON OEL	:	Ontario Table of Occupational Exposure Limits made under the Occupational Health and Safety Act.
CA QC OEL	:	Québec. Regulation respecting occupational health and safety, Schedule 1, Part 1: Permissible exposure values for airborne contaminants
ACGIH / TWA	:	8-hour, time-weighted average
CA AB OEL / TWA	:	8-hour Occupational exposure limit
CA BC OEL / TWA	:	8-hour time weighted average
CA BC OEL / STEL	:	short-term exposure limit
CA ON OEL / TWA	:	Time-Weighted Average Limit (TWA)
CA QC OEL / TWAEV	:	Time-weighted average exposure value

AIIC - Australian Inventory of Industrial Chemicals; ANTT - National Agency for Transport by Land of Brazil; ASTM - American Society for the Testing of Materials; bw - Body weight; CMR - Carcinogen, Mutagen or Reproductive Toxicant; DIN - Standard of the German Institute for Standardisation; DSL - Domestic Substances List (Canada); ECx - Concentration associated with x% response; ELx - Loading rate associated with x% response; EmS - Emergency Schedule; ENCS - Existing and New Chemical Substances (Japan); ErCx - Concentration associated with x% growth rate response; ERG - Emergency Response Guide; GHS - Globally Harmonized System; GLP - Good Laboratory Practice; IARC - International Agency for Research on Cancer; IATA - International Air Transport Association; IBC - International Code for the Construction and Equipment of Ships carrying Dangerous Chemicals in Bulk; IC50 - Half maximal inhibitory concentration; ICAO - International Civil Aviation Organization; IECSC - Inventory of Existing Chemical Substances in China; IMDG - International Maritime Dangerous Goods; IMO - International Maritime Organization; ISHL - Industrial Safety and Health Law (Japan); ISO - International Organisation for Standardization; KECI - Korea Existing Chemicals Inventory; LC50 - Lethal Concentration to 50 % of a test population; LD50 - Lethal Dose to 50% of a test population (Median Lethal Dose); MARPOL - International Convention for the Prevention of Pollution from Ships; n.o.s. - Not Otherwise Specified; Nch - Chilean Norm; NO(A)EC - No Observed (Adverse) Effect Concentration; NO(A)EL - No Observed (Adverse) Effect Level; NOELR - No Observable Effect Loading Rate; NOM - Official Mexican Norm; NTP - National Toxicology Program; NZIoC - New Zealand Inventory of Chemicals; OECD - Organization for Economic Co-operation and Development; OPPTS - Office of Chemical Safety and Pollution Prevention; PBT - Persistent, Bioaccumulative and Toxic substance; PICCS - Philippines Inventory of Chemicals and Chemical Substances; (Q)SAR - (Quantitative) Structure Activity Relationship; REACH - Regulation (EC) No 1907/2006 of the European Parliament and of the Council concerning the Registration, Evaluation, Authorisation and Restriction of Chemicals; SADT - Self-Accelerating Decomposition Temperature; SDS - Safety Data Sheet; TCSI - Taiwan Chemical Substance Inventory; TDG - Transportation of Dangerous Goods; TECI - Thailand Existing Chemicals Inventory; TSCA - Toxic Substances Control Act (United States); UN - United Nations; UNRTDG - United Nations Recommendations on the Transport of Dangerous Goods; vPvB - Very Persistent and Very Bioaccumulative; WHMIS - Workplace Hazardous Materials Information System

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The information provided in this Safety Data Sheet is correct to the best of our knowledge, information and belief at the date of its publication. The information given is designed only as a guidance for safe handling, use, processing, storage, transportation, disposal and release and is not to be considered a warranty or quality specification. The 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 in the text.

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