SECTION 1. IDENTIFICATION

Product name : MasterLife 300D 5BU
Product code : 00000000050676260 000000000050676260
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; Canada: 1-800-255-3924

Recommended use of the chemical and restrictions on use
Recommended use : Product for construction chemicals
Restrictions on use : Reserved for industrial and professional use.

SECTION 2. HAZARDS IDENTIFICATION

GHS classification in accordance with the Hazardous Products Regulations
Skin corrosion/irritation : 2
Serious eye damage/eye irritation : 1
Specific target organ toxicity - single exposure : 3 (Respiratory system)
Carcinogenicity (Inhalation) : 1A (Lung)
Specific target organ toxicity - repeated exposure (Inhalation) : 2 (Kidney, Immune system)
Specific target organ toxicity - repeated exposure (Inhalation) : 1

GHS label elements
Hazard pictograms : 

Signal Word : Danger
Hazard Statements : H318 Causes serious eye damage.
H315 Causes skin irritation.
H335 May cause respiratory irritation.
H350 May cause cancer.
H373 May cause damage to organs through prolonged or repeated exposure.
H372 Causes damage to organs through prolonged or repeated exposure.
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 dust or mist.
- 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.
- P310 Immediately call a POISON CENTER/ doctor/ .
- P304 + P340 IF INHALED: Remove person to fresh air and keep comfortable for breathing.
- P303 + P352 IF ON SKIN (or hair): Wash with plenty of soap and water.
- P362 + P364 Take off contaminated clothing and wash it before reuse.

**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**

No data available.

---

**SECTION 3. COMPOSITION/INFORMATION ON INGREDIENTS**

**Chemical nature:**

No data available.

**Components**

<table>
<thead>
<tr>
<th>Chemical name</th>
<th>CAS-No.</th>
<th>Concentration (% w/w)</th>
</tr>
</thead>
<tbody>
<tr>
<td>Cement, portland, chemicals</td>
<td>65997-15-1</td>
<td>&gt;= 50 - &lt; 75</td>
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<tr>
<td>sodium carbonate</td>
<td>497-19-8</td>
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<td>Iron oxide</td>
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<td>(+)-Tartaric acid</td>
<td>87-69-4</td>
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<td>Limestone</td>
<td>1317-65-3</td>
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<td>Gypsum (Ca(SO4).2H2O)</td>
<td>13397-24-5</td>
<td>&gt;= 1 - &lt;= 3</td>
</tr>
<tr>
<td>Titanium dioxide</td>
<td>13463-67-7</td>
<td>&gt;= 1 - &lt;= 3</td>
</tr>
<tr>
<td>Quartz (SiO2)</td>
<td>14808-60-7</td>
<td>&gt;= 25 - &lt;= 50</td>
</tr>
</tbody>
</table>
SECTION 4. FIRST AID MEASURES

General advice:
- Move out of dangerous area.
- Consult a physician.
- Show this material safety data sheet to the doctor in attendance.
- Do not leave the victim unattended.

If inhaled:
- Consult a physician after significant exposure.
- If unconscious, place in recovery position and seek medical advice.

In case of skin contact:
- If skin irritation persists, call a physician.
- If on skin, rinse well with water.
- If on clothes, remove clothes.

In case of eye contact:
- Small amounts splashed into eyes can cause irreversible tissue damage and blindness.
- In the case of contact with eyes, rinse immediately with plenty of water and seek medical advice.
- Continue rinsing eyes during transport to hospital.
- Remove contact lenses.
- Protect unharmed eye.
- Keep eye wide open while rinsing.
- If eye irritation persists, consult a specialist.

If swallowed:
- Keep respiratory tract clear.
- Do NOT induce vomiting.
- Do not give milk or alcoholic beverages.
- Never give anything by mouth to an unconscious person.
- If symptoms persist, call a physician.
- Take victim immediately to hospital.

Most important symptoms and effects, both acute and delayed:
- Causes skin irritation.
- Causes serious eye damage.
- May cause respiratory irritation.
- May cause cancer.
- Causes damage to organs through prolonged or repeated exposure if inhaled.
- May cause damage to organs through prolonged or repeated exposure.

Notes to physician:
- Treat symptomatically.

SECTION 5. FIRE-FIGHTING MEASURES

Suitable extinguishing media:
- Foam
- Water spray
- Dry powder
- Carbon dioxide (CO2)

Unsuitable extinguishing media:
- water jet

Specific hazards during firefighting:
- Do not allow run-off from fire fighting to enter drains or water courses.

Further information:
- Collect contaminated fire extinguishing water separately. This must not be discharged into drains.
- Fire residues and contaminated fire extinguishing water must be disposed of in accordance with local regulations.

Special protective equipment:
- Wear self-contained breathing apparatus for firefighting if nec-
for fire-fighters

SECTION 6. ACCIDENTAL RELEASE MEASURES

Personal precautions, protective equipment and emergency procedures:
- Use personal protective equipment.
- Avoid dust formation.
- Avoid breathing dust.
- Ensure adequate ventilation.

Environmental precautions:
- Prevent product from entering drains.
- Prevent further leakage or spillage if safe to do so.
- If the product contaminates rivers and lakes or drains inform respective authorities.

Methods and materials for containment and cleaning up:
- Neutralize with acid.
- Keep in suitable, closed containers for disposal.

SECTION 7. HANDLING AND STORAGE

Advice on protection against fire and explosion:
- Avoid dust formation.
- Provide appropriate exhaust ventilation at places where dust is formed.

Advice on safe handling:
- Avoid formation of respirable particles.
- Do not breathe vapors/dust.
- Avoid exposure - obtain special instructions before use.
- Avoid contact with skin and eyes.
- For personal protection see section 8.
- Smoking, eating and drinking should be prohibited in the application area.
- Provide sufficient air exchange and/or exhaust in work rooms.
- Dispose of rinse water in accordance with local and national regulations.

Conditions for safe storage:
- Keep container tightly closed in a dry and well-ventilated place.
- Observe label precautions.
- Electrical installations / working materials must comply with the technological safety standards.

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

Materials to avoid:
- Segregate from metals.
- Segregate from acids and bases.
- Segregate from oxidants.
- Segregate from foods and animal feeds.

Further information on storage stability:
- No decomposition if stored and applied as directed.

SECTION 8. EXPOSURE CONTROLS/PERSONAL PROTECTION

Ingredients with workplace control parameters

<table>
<thead>
<tr>
<th>Components</th>
<th>CAS-No.</th>
<th>Value type (Form of)</th>
<th>Control parameters / Permissible</th>
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4 / 13
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<th>REL Value</th>
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<td>TWA value 50 millions of particles per cubic foot of air</td>
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</tr>
</tbody>
</table>

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

**Personal protective equipment**

- **Respiratory protection**: Breathing protection if dusts are formed. Wear a NIOSH-certified (or equivalent) particulate respirator.

- **Hand protection**

- **Remarks**: The suitability for a specific workplace should be discussed with the producers of the protective gloves.

- **Eye protection**: Eye wash bottle with pure water
SAFETY DATA SHEET
MasterLife 300D 5BU

Tightly fitting safety goggles
Wear face-shield and protective suit for abnormal processing problems.

Skin and body protection: Choose body protection according to the amount and concentration of the dangerous substance at the work place.

Protective measures: Avoid contact with the skin, eyes and clothing.
Avoid inhalation of dusts.
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 or drink.
When using do not smoke.
Wash hands before breaks and at the end of workday.

SECTION 9. PHYSICAL AND CHEMICAL PROPERTIES

Appearance: powder
Color: gray
Odor: product specific
pH: approx. 12 - 13 (as aqueous suspension)
Melting temperature: > 1,000 °C
Freezing point: > 1,000 °C
boiling temperature: not applicable
Flash point: does not flash
Evaporation rate: No applicable information available.
Flammability (solid, gas): not flammable
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 with the intended use.
Vapor pressure: No applicable information available.
Relative vapor density: No applicable information available.
Relative density: No applicable information available.
Bulk density: approx. 1,800 - 2,400 kg/m3
Solubility(ies)

- Water solubility: dispersible (20 °C)
- Solubility in other solvents: No applicable information available.
- Partition coefficient: n-octanol/water: not applicable
- Autoignition temperature: No applicable information available.
- Decomposition temperature: No decomposition if stored and handled as prescribed/indicated.

Viscosity

- Viscosity, dynamic: No data available.
- Viscosity, kinematic: No applicable information available.

Explosive properties

- Not explosive

Oxidizing properties

- Based on its structural properties the product is not classified as oxidizing.

Self-heating substances

- No data available

Sublimation temperature

- No applicable information available.

Molecular weight

- No data available.

SECTION 10. STABILITY AND REACTIVITY

Reactivity

- No decomposition if stored and applied as directed.

Chemical stability

- No decomposition if stored and applied as directed.

Possibility of hazardous reactions

- No decomposition if stored and applied as directed.

Conditions to avoid

- See SDS section 7 - Handling and storage.

Incompatible materials

- Strong bases
- Strong acids

Hazardous decomposition products

- No hazardous decomposition products if stored and handled as prescribed/indicated.

SECTION 11. TOXICOLOGICAL INFORMATION

Acute toxicity

Not classified based on available information.

Skin corrosion/irritation

Causes skin irritation.

Serious eye damage/eye irritation

Causes serious eye damage.
Respiratory or skin sensitization

Skin sensitization
Not classified based on available information.

Respiratory sensitization
Not classified based on available information.

Germ cell mutagenicity
Not classified based on available information.

Carcinogenicity
May cause cancer.

Reproductive toxicity
Not classified based on available information.

STOT-single exposure
May cause respiratory irritation.

STOT-repeated exposure
Causes damage to organs through prolonged or repeated exposure if inhaled.
May cause damage to organs through prolonged or repeated exposure.

Aspiration toxicity
Not classified based on available information.

Further information

Product:
Remarks: The product has not been tested. The statements on toxicology have been derived from the properties of the individual components.

SECTION 12. ECOLOGICAL INFORMATION

Ecotoxicity
No data available

Persistence and degradability

Product:
Biodegradability: Remarks: not determined

Bioaccumulative potential

Components:

Cement, portland, chemicals:
Partition coefficient: n-octanol/water: GLP: no
Remarks: not applicable

sodium carbonate:
Partition coefficient: n-octanol/water: Remarks: The value has not been determined because the substance is inorganic.
Iron oxide:
Partition coefficient: n-octanol/water
Remarks: Study scientifically not justified.

Gypsum (Ca(SO4).2H2O):
Partition coefficient: n-octanol/water
Remarks: The value has not been determined because the substance is inorganic.

Titanium dioxide:
Partition coefficient: n-octanol/water
Remarks: not applicable

Quartz (SiO2):
Partition coefficient: n-octanol/water
Remarks: not applicable

Mobility in soil
No data available

Other adverse effects

Product:
Additional ecological information
There is a high probability that the product is not acutely harmful to aquatic organisms. The product has not been tested. The statements on ecotoxicology have been derived from the properties of the individual components.

SECTION 13. DISPOSAL CONSIDERATIONS

Disposal methods
Waste from residues
Dispose of in accordance with national, state and local regulations.
Do not contaminate ponds, waterways or ditches with chemical or used container.
Do not discharge into drains/surface waters/groundwater.

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

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

### SECTION 15. REGULATORY INFORMATION

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

- **DSL**: All components of this product are on the Canadian DSL
- **TSCA**: All chemical substances in this product are either listed on the TSCA Inventory or are in compliance with a TSCA Inventory exemption.

### SECTION 16. OTHER INFORMATION

**Full text of other abbreviations**

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<tr>
<th>Abbreviation</th>
<th>Description</th>
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<td>29 CFR 1910.1000 (Table Z-1-A)</td>
<td>OSHA - Table Z-1-A (29 CFR 1910.1000)</td>
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<td>OSHA - Table Z-1 (Limits for Air Contaminants) 29 CFR 1910.1000</td>
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<td>OSHA Table Z-3 (Mineral Dusts) 29 CFR 1910.1000</td>
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<td>ACGIHTLV</td>
<td>American Conference of Governmental Industrial Hygienists - threshold limit values (US)</td>
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<td>NIOSH</td>
<td>NIOSH Pocket Guide to Chemical Hazards (US)</td>
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<td>NIOSH / REL value</td>
<td>Recommended exposure limit (REL):</td>
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AICS - Australian Inventory of Chemical Substances; 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
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</tbody>
</table>

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; KECl - 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; 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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