SECTION 1. IDENTIFICATION

Product name : MasterLife 300D
Product code : 000000000050305171 000000000050305171

Manufacturer or supplier's details
Company name of supplier : Master Builders Solutions US, LLC
Address : 23700 CHAGRIN BLVD
          Beachwood OH 44122
Emergency telephone : ChemTel: +1-813-248-0585 USA: +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 29 CFR 1910.1200
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 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>
</tr>
<tr>
<td>sodium carbonate</td>
<td>497-19-8</td>
<td>&gt;= 7 - &lt; 15</td>
</tr>
<tr>
<td>Iron oxide</td>
<td>1309-37-1</td>
<td>&gt;= 0 - &lt; 10</td>
</tr>
<tr>
<td>(+)-Tartaric acid</td>
<td>87-69-4</td>
<td>&gt;= 1 - &lt; 3</td>
</tr>
<tr>
<td>Limestone</td>
<td>1317-65-3</td>
<td>&gt;= 1 - &lt;= 7</td>
</tr>
<tr>
<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 fire fighting: 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 for fire-fighters: Wear self-contained breathing apparatus for firefighting if necessary.
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 exposure)</th>
<th>Control parameters / Permissible concentration</th>
<th>Basis</th>
</tr>
</thead>
<tbody>
<tr>
<td>Substance</td>
<td>CAS Number</td>
<td>TWA Value</td>
<td>REL Value</td>
<td>Source</td>
</tr>
<tr>
<td>---------------------------------</td>
<td>------------</td>
<td>-----------------</td>
<td>---------------</td>
<td>---------------------------------------------</td>
</tr>
<tr>
<td>calcium oxide</td>
<td>1305-78-8</td>
<td>2 mg/m³</td>
<td>5 mg/m³</td>
<td>29 CFR 1910.1000 (Table Z-1)</td>
</tr>
<tr>
<td>Iron oxide</td>
<td>1309-37-1</td>
<td>TWA (Respirable)</td>
<td>5 mg/m³</td>
<td>ACGIHTLV</td>
</tr>
<tr>
<td>Limestone</td>
<td>1317-65-3</td>
<td>REL (Respirable)</td>
<td>5 mg/m³</td>
<td>NIOSH</td>
</tr>
<tr>
<td>Gypsum (Ca(SO4)2.H2O)</td>
<td>13397-24-5</td>
<td>TWA (Inhalable)</td>
<td>10 mg/m³</td>
<td>ACGIHTLV</td>
</tr>
</tbody>
</table>

**Notes:**
- **TWA value** represents the Time-Weighted Average concentration.
- **REL value** represents the Recommended Exposure Limit.
- **PEL** (Permissible Exposure Limit) values are specified in 29 CFR 1910.1000 (Table Z-1).
<table>
<thead>
<tr>
<th>Substance</th>
<th>CAS Number</th>
<th>TWA value (fraction)</th>
<th>ACGIHTLV (Table Z-1-A)</th>
</tr>
</thead>
<tbody>
<tr>
<td>Titanium dioxide</td>
<td>13463-67-7</td>
<td>10 mg/m³</td>
<td></td>
</tr>
<tr>
<td>PEL (Total dust)</td>
<td></td>
<td>15 mg/m³</td>
<td>29 CFR 1910.1000</td>
</tr>
<tr>
<td>TWA value (Total dust)</td>
<td></td>
<td>10 mg/m³</td>
<td>29 CFR 1910.1000</td>
</tr>
<tr>
<td>Quartz (SiO2)</td>
<td>14808-60-7</td>
<td>0.025 mg/m³</td>
<td></td>
</tr>
<tr>
<td>TWA value (Respirable fraction)</td>
<td></td>
<td>0.05 mg/m³</td>
<td>29 CFR 1910.1001-1050</td>
</tr>
<tr>
<td>OSHA Action level</td>
<td></td>
<td>0.025 mg/m³</td>
<td>29 CFR 1910.1001-1050</td>
</tr>
<tr>
<td>REL value (Respirable dust)</td>
<td></td>
<td>0.05 mg/m³</td>
<td>NIOSH</td>
</tr>
<tr>
<td>Cement, portland, chemicals</td>
<td>65997-15-1</td>
<td>1 mg/m³</td>
<td></td>
</tr>
<tr>
<td>TWA value (Respirable fraction)</td>
<td></td>
<td>10 mg/m³</td>
<td>NIOSH</td>
</tr>
<tr>
<td>REL value (Total)</td>
<td></td>
<td>10 mg/m³</td>
<td>NIOSH</td>
</tr>
<tr>
<td>REL value (Respirable)</td>
<td></td>
<td>5 mg/m³</td>
<td>NIOSH</td>
</tr>
<tr>
<td>PEL (Total dust)</td>
<td></td>
<td>15 mg/m³</td>
<td>29 CFR 1910.1000</td>
</tr>
<tr>
<td>PEL (Respirable fraction)</td>
<td></td>
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<td>29 CFR 1910.1000</td>
</tr>
<tr>
<td>TWA value (Total dust)</td>
<td></td>
<td>10 mg/m³</td>
<td>29 CFR 1910.1000</td>
</tr>
<tr>
<td>TWA value (Respirable fraction)</td>
<td></td>
<td>5 mg/m³</td>
<td>29 CFR 1910.1000</td>
</tr>
<tr>
<td>TWA value</td>
<td></td>
<td>50 millions of</td>
<td>29 CFR 1910.1000</td>
</tr>
<tr>
<td></td>
<td></td>
<td>particles per cubic</td>
<td></td>
</tr>
<tr>
<td></td>
<td></td>
<td>foot of air</td>
<td></td>
</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**: Suitable for specific workplace should be discussed with the producers of the protective gloves.
- **Eye protection**: Eye wash bottle with pure water. 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: > 1,832 °F / > 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): dispersible (68 °F / 20 °C)
Water solubility: dispersible (68 °F / 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:
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

49 CFR
Not regulated as a dangerous good

SECTION 15. REGULATORY INFORMATION

US State Regulations

Pennsylvania Right To Know

- Limestone 1317-65-3
- Gypsum (Ca(SO4).2H2O) 13397-24-5
- Titanium dioxide 13463-67-7
- Cement, portland, chemicals 65997-15-1
- Quartz (SiO2) 14808-60-7

New Jersey Right To Know

- Limestone 1317-65-3
- Titanium dioxide 13463-67-7
- Cement, portland, chemicals 65997-15-1
- Quartz (SiO2) 14808-60-7

California Prop. 65

WARNING: This product can expose you to chemicals including Titanium dioxide, which is/are known to the State of California to cause cancer. For more information go to www.P65Warnings.ca.gov.

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

Further information
SAFETY DATA SHEET

MasterLife 300D

Version 1.0
Revision Date: 04/29/2020
SDS Number: 000000260230
Date of last issue: -
Date of first issue: 04/29/2020

NFPA 704:

Flammability

Health

Instability

Special hazard

HMIS® IV:

HEALTH

FLAMMABILITY

PHYSICAL HAZARD

HMIS® ratings are based on a 0-4 rating scale, with 0 representing minimal hazards or risks, and 4 representing significant hazards or risks. The "***" represents a chronic hazard, while the "*/" represents the absence of a chronic hazard.

Full text of other abbreviations

29 CFR 1910.1000 (Table Z-1-A)

29 CFR 1910.1000 (Table Z-1)

29 CFR 1910.1000 (Table Z-3)

29 CFR 1910.1001-1050

ACGIHTLV

NIOSH

29 CFR 1910.1000 (Table Z-1-A) / TWA value

29 CFR 1910.1000 (Table Z-1) / PEL

29 CFR 1910.1000 (Table Z-3) / TWA value

29 CFR 1910.1001-1050 / OSHA Action level

29 CFR 1910.1001-1050 / TWA value

ACGIHTLV / TWA value

NIOSH / REL value

OSHA - Table Z-1-A (29 CFR 1910.1000)

OSHA - Table Z-1 (Limits for Air Contaminants) 29 CFR 1910.1000

OSHA Table Z-3 (Mineral Ducts) 29 CFR 1910.1000

OSHA - Specifically Regulated Substances (29 CFR 1910.1001-1050)

American Conference of Governmental Industrial Hygienists - threshold limit values (US)

NIOSH Pocket Guide to Chemical Hazards (US)

Time Weighted Average (TWA):

Permissible exposure limit

Time Weighted Average (TWA):

OSHA Action level:

Time Weighted Average (TWA):

Recommended exposure limit (REL):

AICS - Australian Inventory of Chemical Substances; ASTM - American Society for the Testing of Materials; bw - Body weight; CERCLA - Comprehensive Environmental Response, Compensation, and Liability Act; CMR - Carcinogen, Mutagen or Reproductive Toxicant; DIN - Standard of the German Institute for Standardisation; DOT - Department of Transportation; DSL - Domestic Substances List (Canada); ECx - Concentration associated with x% response; EHS - Extremely Hazardous Substance; 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; HMIS - Hazardous Materials Identification
Revision Date: 04/29/2020

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