SAFETY DATA SHEET

MasterSeal 581 wht

SECTION 1. IDENTIFICATION

Product name : MasterSeal 581 wht
Product code : 000000000050354712 000000000050354712
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;

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

GHS label elements
Hazard pictograms : ⚠ ⚠ ⚠
Signal Word : Danger
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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 (Kidney, Immune system) 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.
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.

SECTION 3. COMPOSITION/INFORMATION ON INGREDIENTS

Chemical nature: modified cement mortar

Components

<table>
<thead>
<tr>
<th>Chemical name</th>
<th>CAS-No.</th>
<th>Concentration (% w/w)</th>
</tr>
</thead>
<tbody>
<tr>
<td>Quartz (SiO2)</td>
<td>14808-60-7</td>
<td>&gt;= 25 - &lt; 50</td>
</tr>
<tr>
<td>Cement, portland, chemicals</td>
<td>65997-15-1</td>
<td>&gt;= 25 - &lt; 50</td>
</tr>
</tbody>
</table>
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 : 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 : 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 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) Product itself is non-combustible. Only the packaging materials can catch fire. The extinguishing agents normally used are...
sufficient.

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>
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</thead>
<tbody>
<tr>
<td>Calcium dihydroxide</td>
<td>1305-62-0</td>
<td>TWA value</td>
<td>5 mg/m³</td>
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<tr>
<td></td>
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<td>REL value</td>
<td>5 mg/m³</td>
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</tr>
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<td>5 mg/m³</td>
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<td>TWA</td>
<td>5 mg/m³</td>
<td>CA BC OEL</td>
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<tr>
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<td>TWAEV</td>
<td>5 mg/m³</td>
<td>CA QC OEL</td>
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<tr>
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<td>TWAEV (total dust)</td>
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<tr>
<td>Substance</td>
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<td>Quartz (SiO₂)</td>
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<td>CA BC OEL</td>
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<tr>
<td>TWA (Respirable particulate matter)</td>
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<td>ACGIH</td>
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<tr>
<td>Cement, portland, chemicals</td>
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<td>REL value (Total)</td>
<td>10 mg/m³</td>
<td>NIOSH</td>
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<td>REL value (Respirable)</td>
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<td>NIOSH</td>
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<td>PEL (Total dust)</td>
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<td>PEL (Respirable fraction)</td>
<td>5 mg/m³</td>
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<td>TWA value (Total dust)</td>
<td>10 mg/m³</td>
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<td>TWA value (Respirable fraction)</td>
<td>5 mg/m³</td>
<td>29 CFR 1910.1000 (Table Z-1-A)</td>
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<tr>
<td>TWA value (Total dust)</td>
<td>50 millions of particles per cubic foot of air</td>
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<td>TWA (Respirable fraction)</td>
<td>1 mg/m³</td>
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</table>
SAFETY DATA SHEET

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<table>
<thead>
<tr>
<th>TWA EV (respirable dust)</th>
<th>5 mg/m³</th>
<th>CA QC OEL</th>
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<tbody>
<tr>
<td>TWA EV (total dust)</td>
<td>10 mg/m³</td>
<td>CA QC OEL</td>
</tr>
<tr>
<td>TWA (Respirable particulate matter)</td>
<td>1 mg/m³</td>
<td>ACGIH</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**

**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**: 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**: white

**Odor**: earthy

**Odor Threshold**: not determined

**pH**: approx. 12 (approx. 20 °C)
Melting point : > 1,500 °C
Freezing point : > 1,500 °C
Boiling point/boiling range : Not applicable
Flash point : does not flash
Evaporation rate : Not applicable
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 : Not applicable
Relative vapor density : Not applicable
Relative density : 2.70
Density : 2.7 g/cm³
Bulk density : 2,700 kg/m³
Solubility(ies)
Water solubility : dispersible (20 °C)
Solubility in other solvents : No data available
Partition coefficient: n-octanol/water : No applicable information available.
Autoignition temperature : Not applicable
Decomposition temperature : No decomposition if stored and handled as prescribed/indicated.
Viscosity
Viscosity, dynamic : Not applicable
Viscosity, kinematic : Not applicable
Explosive properties : Not explosive
Oxidizing properties : not fire-propagating
Self-heating substances : No data available
Sublimation point : No applicable information available.
Molecular weight : No data available

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 : 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.

Product:
Acute oral toxicity : Remarks: No applicable information available.
Acute inhalation toxicity : Remarks: No applicable information available.
Acute dermal toxicity : Remarks: No applicable information available.

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.
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Product:
Remarks : Chromate in this product has been reduced. Sensitization due to chromate within stated shelf-live is unlikely.

Germ cell mutagenicity
Not classified based on available information.

Carcinogenicity
May cause cancer by inhalation.

Reproductive toxicity
Not classified based on available information.

STOT-single exposure
May cause respiratory irritation.

STOT-repeated exposure
Causes damage to organs (Lungs) through prolonged or repeated exposure if inhaled. May cause damage to organs (Kidney, Immune system) through prolonged or repeated exposure if inhaled.

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

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:**
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
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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 as active on the TSCA Inventory or are in compliance with a TSCA Inventory exemption.

SECTION 16. OTHER INFORMATION

Full text of other abbreviations

- 29 CFR 1910.1000 (Table Z-1-A) / TWA value: OSHA - Table Z-1-A (29 CFR 1910.1000)
- 29 CFR 1910.1000 (Table Z-1) / PEL: OSHA - Table Z-1 (Limits for Air Contaminants) 29 CFR 1910.1000
- 29 CFR 1910.1000 (Table Z-3) / TWA value: OSHA Table Z-3 (Mineral Dusts) 29 CFR 1910.1000
- ACGIH: USA. ACGIH Threshold Limit Values (TLV)
- ACGIHTLV: American Conference of Governmental Industrial Hygienists - threshold limit values (US)
- CA BC OEL: Canada. British Columbia OEL
- 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
- NIOSH: NIOSH Pocket Guide to Chemical Hazards (US)
- 29 CFR 1910.1000 (Table Z-1-A) / TWA value: Time Weighted Average (TWA):
- 29 CFR 1910.1000 (Table Z-1) / PEL: Permissible exposure limit
- 29 CFR 1910.1000 (Table Z-3) / TWA value: Time Weighted Average (TWA):
- ACGIH / TWA: 8-hour, time-weighted average
- ACGIHTLV / TWA value: Time Weighted Average (TWA):
- 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
- NIOSH / REL value: Recommended exposure limit (REL):
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