SECTION 1. IDENTIFICATION

Product name: MasterSeal 582
Product code: 000000000051719773 000000000051719773
Other means of identification: No data available

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 the Hazardous Products Regulations
Skin corrosion/irritation: 2
Serious eye damage/eye irritation: Category 1
Specific target organ toxicity - single exposure: 3
Specific target organ toxicity - repeated exposure (Inhalation): Category 1 (Lung)

GHS label elements
Hazard pictograms: 
Signal Word: Danger
Hazard Statements: H318 Causes serious eye damage.
H315 Causes skin irritation.
H335 May cause respiratory irritation.
H372 Causes damage to organs (Lung) through prolonged or repeated exposure if inhaled.

Precautionary Statements: Prevention:
P280 Wear protective gloves/ protective clothing/ eye protection/ face protection.
P271 Use only outdoors or in a well-ventilated area.
P260 Do not breathe dust or mist.
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.
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.
P308 + P311 IF exposed or concerned: Call a POISON CENTER/ doctor.

**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** : 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>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>
<tr>
<td>Iron oxide</td>
<td>1309-37-1</td>
<td>&gt;= 1 - &lt; 5</td>
</tr>
<tr>
<td>Calcium dihydroxide</td>
<td>1305-62-0</td>
<td>&gt;= 1 - &lt; 3</td>
</tr>
<tr>
<td>Limestone</td>
<td>1317-65-3</td>
<td>&gt;= 1 - &lt; 3</td>
</tr>
<tr>
<td>Calcium sulphate</td>
<td>7778-18-9</td>
<td>&gt;= 1 - &lt; 3</td>
</tr>
<tr>
<td>magnesium oxide</td>
<td>1309-48-4</td>
<td>&gt;= 0.3 - &lt; 3</td>
</tr>
<tr>
<td>calcium oxide</td>
<td>1305-78-8</td>
<td>&gt;= 0.3 - &lt; 3</td>
</tr>
<tr>
<td>Gypsum (Ca(SO4).2H2O)</td>
<td>13397-24-5</td>
<td>&gt;= 0.3 - &lt; 3</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** : If unconscious, place in recovery position and seek medical
advice.
If symptoms persist, call a physician.

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.
Causes damage to organs through prolonged or repeated exposure if inhaled.

Notes to physician:
Treat symptomatically.

SECTION 5. FIRE-FIGHTING MEASURES

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

Unsuitable extinguishing media:
High volume 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.

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: 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 data available

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>Calcium dihydroxide</td>
<td>1305-62-0</td>
<td>TWA value</td>
<td>5 mg/m³</td>
<td>ACGIHTLV</td>
</tr>
<tr>
<td></td>
<td></td>
<td>REL value</td>
<td>5 mg/m³</td>
<td>NIOSH</td>
</tr>
<tr>
<td></td>
<td></td>
<td>PEL (Respirable fraction)</td>
<td>5 mg/m³</td>
<td>29 CFR 1910.1000 (Table Z-1)</td>
</tr>
<tr>
<td></td>
<td></td>
<td>PEL (Total dust)</td>
<td>15 mg/m³</td>
<td>29 CFR 1910.1000 (Table Z-1)</td>
</tr>
<tr>
<td></td>
<td></td>
<td>TWA value</td>
<td>5 mg/m³</td>
<td>29 CFR 1910.1000 (Table Z-1-A)</td>
</tr>
<tr>
<td>Substance</td>
<td>TWA Value (mg/m³)</td>
<td>TWA CA AB OEL</td>
<td>TWA CA BC OEL</td>
<td>TWA CA QC OEL</td>
</tr>
<tr>
<td>--------------------</td>
<td>------------------</td>
<td>---------------</td>
<td>---------------</td>
<td>---------------</td>
</tr>
<tr>
<td>calcium oxide</td>
<td>TWA value 2 mg/m³</td>
<td>ACGIHTLV</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Iron oxide</td>
<td>TWA value (Respirable fraction) 5 mg/m³</td>
<td>ACGIHTLV</td>
<td>REL value (Dust and fume) 5 mg/m³ (iron (Fe))</td>
<td>NIOSH</td>
</tr>
<tr>
<td>magnesium oxide</td>
<td>TWA value (Inhalable fraction) 10 mg/m³</td>
<td>ACGIHTLV</td>
<td>PEL (Total particulate) 15 mg/m³</td>
<td>29 CFR 1910.1000 (Table Z-1)</td>
</tr>
<tr>
<td>Substance</td>
<td>REL value (Respirable)</td>
<td>NIOSH</td>
<td></td>
<td></td>
</tr>
<tr>
<td>--------------------------------</td>
<td>------------------------</td>
<td>-------</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Limestone 1317-65-3</td>
<td>5 mg/m³</td>
<td>NIOSH</td>
<td></td>
<td></td>
</tr>
<tr>
<td>REL value (Respirable)</td>
<td>10 mg/m³</td>
<td>NIOSH</td>
<td></td>
<td></td>
</tr>
<tr>
<td>PEL (Respirable fraction)</td>
<td>5 mg/m³</td>
<td>29 CFR 1910.1000 (Table Z-1)</td>
<td></td>
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<tr>
<td>PEL (Total dust)</td>
<td>15 mg/m³</td>
<td>29 CFR 1910.1000 (Table Z-1)</td>
<td></td>
<td></td>
</tr>
<tr>
<td>TWA value (Respirable fraction)</td>
<td>5 mg/m³</td>
<td>29 CFR 1910.1000 (Table Z-1-A)</td>
<td></td>
<td></td>
</tr>
<tr>
<td>TWA value (Total dust)</td>
<td>15 mg/m³</td>
<td>29 CFR 1910.1000 (Table Z-1-A)</td>
<td></td>
<td></td>
</tr>
<tr>
<td>TWA</td>
<td>10 mg/m³</td>
<td>CA AB OEL</td>
<td></td>
<td></td>
</tr>
<tr>
<td>TWA AEV (Total dust)</td>
<td>10 mg/m³</td>
<td>CA QC OEL</td>
<td></td>
<td></td>
</tr>
<tr>
<td>TWA (Total dust)</td>
<td>10 mg/m³</td>
<td>CA BC OEL</td>
<td></td>
<td></td>
</tr>
<tr>
<td>TWA (Respirable dust fraction)</td>
<td>3 mg/m³</td>
<td>CA BC OEL</td>
<td></td>
<td></td>
</tr>
<tr>
<td>STEL</td>
<td>20 mg/m³</td>
<td>CA BC OEL</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Calcium sulphate 7778-18-9</td>
<td>10 mg/m³</td>
<td>ACGIHTLV</td>
<td></td>
<td></td>
</tr>
<tr>
<td>REL value (Respirable)</td>
<td>5 mg/m³</td>
<td>NIOSH</td>
<td></td>
<td></td>
</tr>
<tr>
<td>REL value (Total)</td>
<td>10 mg/m³</td>
<td>NIOSH</td>
<td></td>
<td></td>
</tr>
<tr>
<td>PEL (Respirable fraction)</td>
<td>5 mg/m³</td>
<td>29 CFR 1910.1000 (Table Z-1)</td>
<td></td>
<td></td>
</tr>
<tr>
<td>PEL (Total dust)</td>
<td>15 mg/m³</td>
<td>29 CFR 1910.1000 (Table Z-1)</td>
<td></td>
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</tr>
<tr>
<td>TWA value (Respirable)</td>
<td>5 mg/m³</td>
<td>29 CFR 1910.1000</td>
<td></td>
<td></td>
</tr>
<tr>
<td>TWA value (Total dust)</td>
<td>15 mg/m³</td>
<td>29 CFR 1910.1000</td>
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<td></td>
</tr>
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</table>

<table>
<thead>
<tr>
<th>Substance</th>
<th>TWA value (Inhalable fraction)</th>
<th>TWA value (Total dust)</th>
<th>TWA (Inhalable)</th>
<th>TWA (Respirable dust)</th>
<th>TWAEV (respirable dust)</th>
<th>TWAEV (Total dust)</th>
<th>TWA (Inhalable particulate matter)</th>
<th>TWA (Respirable particulate matter)</th>
<th>STEL</th>
<th>TWA (Total dust)</th>
<th>TWA (Respirable dust fraction)</th>
<th>TWA (Inhalable particulate matter)</th>
<th>TWA value (Respirable fraction)</th>
<th>TWA value</th>
</tr>
</thead>
<tbody>
<tr>
<td>Gypsum (Ca(SO4).2H2O)</td>
<td>10 mg/m3</td>
<td>15 mg/m3</td>
<td>10 mg/m3</td>
<td>5 mg/m3</td>
<td>10 mg/m3</td>
<td>10 mg/m3</td>
<td>10 mg/m3</td>
<td>5 mg/m3</td>
<td>20 mg/m3</td>
<td>10 mg/m3</td>
<td>3 mg/m3</td>
<td>10 mg/m3</td>
<td>0.025 mg/m3</td>
<td>0.05 mg/m3</td>
</tr>
<tr>
<td>Quartz (SiO2)</td>
<td>14808-60-7</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
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<td></td>
<td></td>
<td></td>
<td>29 CFR</td>
<td></td>
</tr>
</tbody>
</table>

ACGIH, NIOSH, CA BC OEL, CA AB OEL, and 29 CFR 1910.1000 (Table Z-1-A) are referenced in the TWA values and STEL.
<table>
<thead>
<tr>
<th>Resin</th>
<th>Action Level (Respirable dust)</th>
<th>REL Value (Respirable dust)</th>
<th>TWA (Respirable Fraction)</th>
<th>TWAEGV (total dust)</th>
<th>PEL (Total dust)</th>
<th>TWA Value (Respirable Fraction)</th>
<th>REL Value (Total dust)</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>1910.1001-1050</td>
<td>0.025 mg/m³</td>
<td>0.05 mg/m³</td>
<td>0.025 mg/m³</td>
<td>0.1 mg/m³</td>
<td>0.025 mg/m³ (Silica)</td>
<td>10 mg/m³</td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
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<tr>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td>65997-15-1 Cement, Portland, Chemicals</td>
<td>1 mg/m³</td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
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</tr>
<tr>
<td></td>
<td></td>
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<td></td>
<td></td>
<td></td>
<td>15 mg/m³</td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td>29 CFR 1910.1000 (Table Z-1)</td>
<td>5 mg/m³</td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td>29 CFR 1910.1000 (Table Z-1-A)</td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td>29 CFR 1910.1000 (Table Z-3)</td>
<td>50 millions of particles per cubic foot of air</td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td>10 mg/m³</td>
<td>CA BC OEL</td>
</tr>
<tr>
<td></td>
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<td></td>
<td></td>
<td></td>
<td>1 mg/m³</td>
<td>CA BC OEL</td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td>5 mg/m³</td>
<td>CA QC OEL</td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td>10 mg/m³</td>
<td>CA QC OEL</td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></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

<table>
<thead>
<tr>
<th>Respiratory protection</th>
<th>Breath protection if dusts are formed. Wear a NIOSH-certified (or equivalent) particulate respirator.</th>
</tr>
</thead>
<tbody>
<tr>
<td>Hand protection</td>
<td></td>
</tr>
<tr>
<td>Remarks</td>
<td>The suitability for a specific workplace should be discussed with the producers of the protective gloves.</td>
</tr>
<tr>
<td>Eye protection</td>
<td>Eye wash bottle with pure water Tightly fitting safety goggles Wear face-shield and protective suit for abnormal processing problems.</td>
</tr>
<tr>
<td>Skin and body protection</td>
<td>Choose body protection according to the amount and concentration of the dangerous substance at the work place.</td>
</tr>
<tr>
<td>Protective measures</td>
<td>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.</td>
</tr>
<tr>
<td>Hygiene measures</td>
<td>When using do not eat or drink. When using do not smoke. Wash hands before breaks and at the end of workday.</td>
</tr>
</tbody>
</table>

### SECTION 9. PHYSICAL AND CHEMICAL PROPERTIES

<table>
<thead>
<tr>
<th>Property</th>
<th>Value</th>
</tr>
</thead>
<tbody>
<tr>
<td>Appearance</td>
<td>powder</td>
</tr>
<tr>
<td>Color</td>
<td>dark gray</td>
</tr>
<tr>
<td>Odor</td>
<td>odorless</td>
</tr>
<tr>
<td>Odor Threshold</td>
<td>Not determined due to potential health hazard by inhalation.</td>
</tr>
<tr>
<td>pH</td>
<td>No data available</td>
</tr>
<tr>
<td>Melting point</td>
<td>No applicable information available.</td>
</tr>
<tr>
<td>Freezing point</td>
<td>No applicable information available.</td>
</tr>
<tr>
<td>Boiling point</td>
<td>No applicable information available.</td>
</tr>
<tr>
<td>Evaporation rate</td>
<td>No applicable information available.</td>
</tr>
<tr>
<td>Flammability (solid, gas)</td>
<td>not determined</td>
</tr>
<tr>
<td>Self-ignition</td>
<td>not self-igniting</td>
</tr>
<tr>
<td>Upper explosion limit / Upper flammability limit</td>
<td>As a result of our experience with this product and our knowledge of its composition we do not expect any hazard as</td>
</tr>
</tbody>
</table>
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 : 1,800 - 2,400 kg/m³
Solubility(ies)
Water solubility : No data available
Solubility in other solvents : No applicable information available.
Partition coefficient: n-octanol/water : No applicable information available.
Autoignition temperature : No applicable information available.
Decomposition temperature : No decomposition if stored and handled as prescribed/indicated.

Viscosity
Viscosity, dynamic : No applicable information 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 point : 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.

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.

Product:
Remarks: Extremely corrosive and destructive to tissue.

Serious eye damage/eye irritation
Causes serious eye damage.

Product:
Remarks: May cause irreversible eye damage.

Respiratory or skin sensitization

Skin sensitization
Not classified based on available information.

Respiratory sensitization
Not classified based on available information.

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
Not classified based on available information.

Reproductive toxicity
Not classified based on available information.

STOT-single exposure
May cause respiratory irritation.

STOT-repeated exposure
Causes damage to organs (Lung) through prolonged or repeated exposure if inhaled.
**Aspiration toxicity**
Not classified based on available information.

**Further information**

**Product:**
Remarks: No data available

---

**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.

**Components:**

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

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

**Iron oxide:**

**Calcium dihydroxide:**
Partition coefficient: n-octanol/water: GLP: no
Remarks: The value has not been determined because the substance is inorganic.

**Calcium sulphate:**
Partition coefficient: n-: GLP: no
octanol/water Remarks: The value has not been determined because the substance is inorganic.

magnesium oxide:
Partition coefficient: n-octanol/water : Remarks: No data available.

calcium oxide:
Partition coefficient: n-octanol/water : Remarks: The value has not been determined because the substance is inorganic.

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

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:
Results of PBT and vPvB assessment : This substance/mixture contains no components considered to be either persistent, bioaccumulative and toxic (PBT), or very persistent and very bioaccumulative (vPvB) at levels of 0.1% or higher.

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 : Do not contaminate ponds, waterways or ditches with chemical or used container. Dispose of in accordance with national, state and local regulations.
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:

<table>
<thead>
<tr>
<th>Inventory</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>DSL</td>
<td>On the inventory, or in compliance with the inventory</td>
</tr>
</tbody>
</table>

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) / Time Weighted Average (TWA):

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

29 CFR 1910.1000 (Table Z-3): 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
SAFETY DATA SHEET

MasterSeal 582

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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 / TWA EV : Time-weighted average exposure value
NIOSH / REL value : Recommended exposure limit (REL):

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 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

Revision Date : 08/18/2020

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