SAFETY DATA SHEET
MasterFlow 1205

SECTION 1. IDENTIFICATION

<table>
<thead>
<tr>
<th>Product name</th>
<th>MasterFlow 1205</th>
</tr>
</thead>
<tbody>
<tr>
<td>Product code</td>
<td>000000000051680765 000000000051680765</td>
</tr>
<tr>
<td>Other means of identification</td>
<td>No data available</td>
</tr>
</tbody>
</table>

**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**

- **Serious eye damage/eye irritation**
  - Category 1

- **Skin corrosion/irritation**
  - 2

- **Germ cell mutagenicity**
  - 2

- **Carcinogenicity (Inhalation)**
  - 1A (Lung)

- **Specific target organ toxicity**
  - **single exposure**
  - 3

- **Specific target organ toxicity**
  - **repeated exposure (Inhalation)**
  - 2 (Kidney, Immune system)

- **Specific target organ toxicity**
  - **repeated exposure (Inhalation)**
  - Category 1

- **Short-term (acute) aquatic hazard**
  - 3

**GHS label elements**

- **Hazard pictograms**

- **Signal Word**: Danger

- **Hazard Statements**: H318 Causes serious eye damage.
  
  H315 Causes skin irritation.
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.
- P273 Avoid release to the environment.
- 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 applicable information available. |

<table>
<thead>
<tr>
<th>Components</th>
<th>Concentration (% w/w)</th>
</tr>
</thead>
<tbody>
<tr>
<td>Chemical name</td>
<td>CAS-No.</td>
</tr>
</tbody>
</table>

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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 attend-
                 ance.
                 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 tis-
                        tue 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.
                                                               Suspected of causing genetic defects.
                                                               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 : 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. 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. Persons susceptible to skin sensitization problems or asthma, allergies, chronic or recurrent respiratory disease should not be employed in any process in which this mixture is being used.

Conditions for safe storage: Keep container tightly closed in a dry and well-ventilated place. Containers which are opened must be carefully resealed and kept upright to prevent leakage.
Observe label precautions. Electrical installations / working materials must comply with the technological safety standards.

Containers should be stored tightly sealed in a dry place.

Segregate from metals.
Segregate from acids and bases.
Segregate from oxidants.
Segregate from foods and animal feeds.

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 oxide</td>
<td>1305-78-8</td>
<td>TWA value</td>
<td>2 mg/m³</td>
<td>ACGIHTLV</td>
</tr>
<tr>
<td></td>
<td></td>
<td>REL value</td>
<td>2 mg/m³</td>
<td>NIOSH</td>
</tr>
<tr>
<td></td>
<td></td>
<td>PEL</td>
<td>5 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></td>
<td></td>
<td>TWA</td>
<td>2 mg/m³</td>
<td>CA AB OEL</td>
</tr>
<tr>
<td></td>
<td></td>
<td>TWA</td>
<td>2 mg/m³</td>
<td>CA BC OEL</td>
</tr>
<tr>
<td></td>
<td></td>
<td>TWAEV</td>
<td>2 mg/m³</td>
<td>CA QC OEL</td>
</tr>
<tr>
<td>TWA</td>
<td></td>
<td>TWA</td>
<td>2 mg/m³</td>
<td>CA AB OEL</td>
</tr>
<tr>
<td>Iron oxide</td>
<td>1309-37-1</td>
<td>TWA value (Respirable fraction)</td>
<td>5 mg/m³</td>
<td>ACGIHTLV</td>
</tr>
<tr>
<td></td>
<td></td>
<td>REL value (Dust and fume)</td>
<td>5 mg/m³ (iron (Fe))</td>
<td>NIOSH</td>
</tr>
<tr>
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<td>PEL</td>
<td>10 mg/m³</td>
<td>29 CFR 1910.1000 (Table Z-1)</td>
</tr>
<tr>
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<td></td>
<td>TWA value (fumes/smoke)</td>
<td>10 mg/m³</td>
<td>29 CFR 1910.1000 (Table Z-1-A)</td>
</tr>
<tr>
<td></td>
<td></td>
<td>TWA (Respirable)</td>
<td>5 mg/m³</td>
<td>CA AB OEL</td>
</tr>
<tr>
<td></td>
<td></td>
<td>TWA (Fumes)</td>
<td>5 mg/m³ (Iron)</td>
<td>CA BC OEL</td>
</tr>
<tr>
<td></td>
<td></td>
<td>TWA (Dust)</td>
<td>5 mg/m³ (Iron)</td>
<td>CA BC OEL</td>
</tr>
<tr>
<td></td>
<td>STEL</td>
<td>TWA</td>
<td>10 mg/m³ (Iron)</td>
<td>CA BC OEL</td>
</tr>
<tr>
<td></td>
<td>TWA (Fumes)</td>
<td>TWAEV</td>
<td>5 mg/m³</td>
<td>CA QC OEL</td>
</tr>
<tr>
<td></td>
<td>STEL</td>
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<td></td>
</tr>
<tr>
<td>Substance</td>
<td>REL value (Respirable)</td>
<td>REL value (Total)</td>
<td>PEL (Respirable fraction)</td>
<td>PEL (Total dust)</td>
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<tr>
<td>----------------------------</td>
<td>------------------------</td>
<td>-------------------</td>
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<td>-----------------</td>
</tr>
<tr>
<td><strong>Limestone</strong></td>
<td>5 mg/m3</td>
<td>10 mg/m3</td>
<td>5 mg/m3</td>
<td>15 mg/m3</td>
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<tr>
<td><strong>Silicon dioxide</strong></td>
<td>6 mg/m3</td>
<td></td>
<td>6 mg/m3</td>
<td></td>
</tr>
<tr>
<td><strong>Gypsum (Ca(SO4).2H2O)</strong></td>
<td>10 mg/m3</td>
<td></td>
<td>10 mg/m3</td>
<td></td>
</tr>
</tbody>
</table>

Notes:
- TWA: Time-Weighted Average
- STEL: Short-Term Exposure Limit
- REL: Respirable Exposure Limit
- PEL: Permissible Exposure Limit
- CA AB OEL: California (Airborne Exposure Limit)
- CA BC OEL: California (Board of Equalization)
- CA QC OEL: California (Quality Control Exposure Limit)
- ACGIH: American Conference of Governmental Industrial Hygienists
- NIOSH: National Institute for Occupational Safety and Health
<table>
<thead>
<tr>
<th>Parameter</th>
<th>Value</th>
<th>Source</th>
</tr>
</thead>
<tbody>
<tr>
<td>PEL (Respirable fraction) 5 mg/m³</td>
<td>29 CFR 1910.1000 (Table Z-1)</td>
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</tr>
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<td>TWA value (Total dust) 15 mg/m³</td>
<td>29 CFR 1910.1000 (Table Z-1-A)</td>
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<tr>
<td>TWA value (Respirable fraction) 5 mg/m³</td>
<td>29 CFR 1910.1000 (Table Z-1-A)</td>
<td></td>
</tr>
<tr>
<td>TWA 10 mg/m³</td>
<td>CA AB OEL</td>
<td></td>
</tr>
<tr>
<td>TWA (Total dust) 10 mg/m³</td>
<td>CA BC OEL</td>
<td></td>
</tr>
<tr>
<td>TWA (Respirable dust fraction) 3 mg/m³</td>
<td>CA BC OEL</td>
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</tr>
<tr>
<td>STEL 20 mg/m³</td>
<td>CA BC OEL</td>
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<tr>
<td>TWAEV (respirable dust) 5 mg/m³</td>
<td>CA QC OEL</td>
<td></td>
</tr>
<tr>
<td>TWAEV (total dust) 10 mg/m³</td>
<td>CA QC OEL</td>
<td></td>
</tr>
<tr>
<td>TWA (Inhalable particulate matter) 10 mg/m³ (Calcium)</td>
<td>ACGIH</td>
<td></td>
</tr>
<tr>
<td>Cement, portland, chemicals 65997-15-1</td>
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</tr>
<tr>
<td>TWA value (Respirable fraction) 1 mg/m³</td>
<td>ACGIHTLV</td>
<td></td>
</tr>
<tr>
<td>REL value (Total) 10 mg/m³</td>
<td>NIOSH</td>
<td></td>
</tr>
<tr>
<td>REL value (Respirable) 5 mg/m³</td>
<td>NIOSH</td>
<td></td>
</tr>
<tr>
<td>PEL (Total dust) 15 mg/m³</td>
<td>29 CFR 1910.1000 (Table Z-1)</td>
<td></td>
</tr>
<tr>
<td>PEL (Respirable fraction) 5 mg/m³</td>
<td>29 CFR 1910.1000 (Table Z-1)</td>
<td></td>
</tr>
<tr>
<td>TWA value (Total dust) 10 mg/m³</td>
<td>29 CFR 1910.1000 (Table Z-1-A)</td>
<td></td>
</tr>
<tr>
<td>TWA value (Respirable fraction) 5 mg/m³</td>
<td>29 CFR 1910.1000 (Table Z-1-A)</td>
<td></td>
</tr>
<tr>
<td>TWA value 50 millions of particles per cubic foot of air</td>
<td>29 CFR 1910.1000 (Table Z-3)</td>
<td></td>
</tr>
<tr>
<td>TWA 10 mg/m³</td>
<td>CA AB OEL</td>
<td></td>
</tr>
<tr>
<td>TWA (Respirable) 1 mg/m³</td>
<td>CA BC OEL</td>
<td></td>
</tr>
<tr>
<td>TWAEV (respirable dust) 5 mg/m³</td>
<td>CA QC OEL</td>
<td></td>
</tr>
<tr>
<td>TWAEV (total dust) 10 mg/m³</td>
<td>CA QC OEL</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**

**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
- 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

<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>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>approx. 12 - 13 (20 °C)</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 temperature</td>
<td>No data available</td>
</tr>
<tr>
<td>Flash point</td>
<td>does not flash</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 long as the product is used appropriately and in accordance with the intended use.</td>
</tr>
<tr>
<td>Lower explosion limit / Lower 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 long as the product is used appropriately and in accordance with the intended use.</td>
</tr>
<tr>
<td>Vapor pressure</td>
<td>No data available</td>
</tr>
<tr>
<td>Relative vapor density</td>
<td>No applicable information available.</td>
</tr>
<tr>
<td>Relative density</td>
<td>No applicable information available.</td>
</tr>
<tr>
<td>Bulk density</td>
<td>1,800 - 2,400 kg/m3</td>
</tr>
<tr>
<td>Water solubility</td>
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</tr>
<tr>
<td>Solubility in other solvents</td>
<td>No applicable information available.</td>
</tr>
<tr>
<td>Autoignition temperature</td>
<td>No applicable information available.</td>
</tr>
<tr>
<td>Viscosity</td>
<td>No applicable information available.</td>
</tr>
</tbody>
</table>
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 : Causes sensitization.

Germ cell mutagenicity
Suspected of causing genetic defects.

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 protracted or repeated exposure if inhaled.
May cause damage to organs through protracted or repeated exposure.

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:**

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

**Iron oxide:**

**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.

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

**Quartz (SiO2):**
Partition coefficient: n-octanol/water : Remarks: The value has not been determined because the substance is inorganic.

**sodium nitrite:**

**4,4’-Oxydi(benzenesulphonohydrazide):**
Partition coefficient: n-octanol/water : log Pow: 0.08 Method: other (calculated)

**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: An environmental hazard cannot be excluded in the event of unprofessional handling or disposal. Harmful to aquatic life.

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:

DSL: On the inventory, or in compliance with the inventory
## SECTION 16. OTHER INFORMATION

<table>
<thead>
<tr>
<th>Full text of other abbreviations</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>29 CFR 1910.1000 (Table Z-1-A)</td>
<td>OSHA - Table Z-1-A (29 CFR 1910.1000)</td>
</tr>
<tr>
<td>29 CFR 1910.1000 (Table Z-1)</td>
<td>OSHA - Table Z-1 (Limits for Air Contaminants) 29 CFR 1910.1000</td>
</tr>
<tr>
<td>29 CFR 1910.1000 (Table Z-3)</td>
<td>OSHA Table Z-3 (Mineral Dusts) 29 CFR 1910.1000</td>
</tr>
<tr>
<td>ACGIH</td>
<td>USA. ACGIH Threshold Limit Values (TLV)</td>
</tr>
<tr>
<td>ACGIHTLV</td>
<td>American Conference of Governmental Industrial Hygienists - threshold limit values (US)</td>
</tr>
<tr>
<td>CA AB OEL</td>
<td>Canada. Alberta, Occupational Health and Safety Code (table 2: OEL)</td>
</tr>
<tr>
<td>CA BC OEL</td>
<td>Canada. British Columbia OEL</td>
</tr>
<tr>
<td>CA ON OEL</td>
<td>Ontario Table of Occupational Exposure Limits made under the Occupational Health and Safety Act.</td>
</tr>
<tr>
<td>CA QC OEL</td>
<td>Québec. Regulation respecting occupational health and safety, Schedule 1, Part 1: Permissible exposure values for airborne contaminants</td>
</tr>
<tr>
<td>NIOSH</td>
<td>NIOSH Pocket Guide to Chemical Hazards (US)</td>
</tr>
<tr>
<td>29 CFR 1910.1000 (Table Z-1-A) / TWA value</td>
<td>Time Weighted Average (TWA):</td>
</tr>
<tr>
<td>29 CFR 1910.1000 (Table Z-1) / PEL</td>
<td>Permissible exposure limit</td>
</tr>
<tr>
<td>29 CFR 1910.1000 (Table Z-3) / TWA value</td>
<td>Time Weighted Average (TWA):</td>
</tr>
<tr>
<td>29 CFR 1910.1001-1050 / TWA value</td>
<td>Time Weighted Average (TWA):</td>
</tr>
<tr>
<td>ACGIH / TWA</td>
<td>8-hour, time-weighted average</td>
</tr>
<tr>
<td>ACGIHTLV / TWA value</td>
<td>Time Weighted Average (TWA):</td>
</tr>
<tr>
<td>CA AB OEL / TWA</td>
<td>8-hour Occupational exposure limit</td>
</tr>
<tr>
<td>CA BC OEL / TWA</td>
<td>8-hour time weighted average</td>
</tr>
<tr>
<td>CA BC OEL / STEL</td>
<td>short-term exposure limit</td>
</tr>
<tr>
<td>CA ON OEL / TWA</td>
<td>Time-Weighted Average Limit (TWA)</td>
</tr>
<tr>
<td>CA QC OEL / TWA/EV</td>
<td>Time-weighted average exposure value</td>
</tr>
<tr>
<td>NIOSH / REL value</td>
<td>Recommended exposure limit (REL):</td>
</tr>
</tbody>
</table>

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
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