SECTION 1. IDENTIFICATION

Product name: MasterSeal NP 100 Alum Gry
Product code: 000000000050363506 000000000050363506
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 sensitization: 1A
Reproductive toxicity: 1B
Reproductive toxicity: 1B
Carcinogenicity: 1A
Short-term (acute) aquatic hazard: 3
Long-term (chronic) aquatic hazard: 3

GHS label elements
Hazard pictograms:

Signal Word: Danger
Hazard Statements: H317 May cause an allergic skin reaction.
                  H350 May cause cancer.
                  H360 May damage fertility or the unborn child.
                  H402 Harmful to aquatic life.
                  H412 Harmful to aquatic life with long lasting effects.

Precautionary Statements: Prevention:
                          P280 Wear protective gloves/ protective clothing/ eye protection/ face protection.
                          P201 Obtain special instructions before use.
P261 Avoid breathing dust/ fume/ gas/ mist/ vapours/ spray.  
P202 Do not handle until all safety precautions have been read and understood.  
P273 Avoid release to the environment.  
P272 Contaminated work clothing should not be allowed out of the workplace.

Response:  
P308 + P311 IF exposed or concerned: Call a POISON CENTER/ doctor.  
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:  
P405 Store locked up.

Disposal:  
P501 Dispose of contents/container to appropriate hazardous waste collection point.

Other hazards  
If applicable information is provided in this section on other hazards which do not result in classification but which may contribute to the overall hazards of the substance or mixture.

SECTION 3. COMPOSITION/INFORMATION ON INGREDIENTS  

Chemical nature : Sealant

<table>
<thead>
<tr>
<th>Chemical name</th>
<th>CAS-No.</th>
<th>Concentration (% w/w)</th>
</tr>
</thead>
<tbody>
<tr>
<td>dibutyltin dilaurate</td>
<td>77-58-7</td>
<td>&gt;= 0 - &lt; 1</td>
</tr>
<tr>
<td>Quartz (SiO2)</td>
<td>14808-60-7</td>
<td>&gt;= 0 - &lt; 1</td>
</tr>
<tr>
<td>2-(2H-Benzotriazol-2-yl)-4,6-diterpentylphenol</td>
<td>25973-55-1</td>
<td>&gt;= 0 - &lt; 3</td>
</tr>
<tr>
<td>bis(1,2,2,6,6-pentamethyl-4-piperidyl)sebacate</td>
<td>41556-26-7</td>
<td>&gt;= 0 - &lt; 3</td>
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<tr>
<td>bis(2,2,6,6-tetramethyl-4-piperidyl)sebacate</td>
<td>52829-07-9</td>
<td>&gt;= 0.2 - &lt; 3</td>
</tr>
<tr>
<td>Methyl 1,2,2,6,6-pentamethyl-4-piperidyl sebacate</td>
<td>82919-37-7</td>
<td>&gt;= 0 - &lt; 1</td>
</tr>
<tr>
<td>N-(3-(Trimethoxysilyl)propyl)ethylenediamine</td>
<td>1760-24-3</td>
<td>&gt;= 0.2 - &lt; 3</td>
</tr>
<tr>
<td>Trimethoxyvinylsilane</td>
<td>2768-02-7</td>
<td>&gt;= 0.3 - &lt; 3</td>
</tr>
<tr>
<td>Dibutylbis(pentane-2,4-dionato-O,O')tin</td>
<td>22673-19-4</td>
<td>&gt;= 0 - &lt; 1</td>
</tr>
<tr>
<td>calcium carbonate</td>
<td>471-34-1</td>
<td>&gt;= 3 - &lt; 50</td>
</tr>
<tr>
<td>Limestone</td>
<td>1317-65-3</td>
<td>&gt;= 3 - &lt; 50</td>
</tr>
<tr>
<td>Titanium dioxide</td>
<td>13463-67-7</td>
<td>&gt;= 0 - &lt; 15</td>
</tr>
<tr>
<td>carbon black</td>
<td>1333-86-4</td>
<td>&gt;= 0 - &lt; 1</td>
</tr>
<tr>
<td>stearic acid</td>
<td>57-11-4</td>
<td>&gt;= 0.1 - &lt; 7</td>
</tr>
</tbody>
</table>
## SECTION 4. FIRST AID MEASURES

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

**If inhaled**: Keep patient calm, remove to fresh air, seek medical attention. Call a physician or poison control center immediately. 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**: Immediately flush eye(s) with plenty of water. Remove contact lenses. Protect unharmed eye. Keep eye wide open while rinsing. If eye irritation persists, consult a specialist.

**If swallowed**: Induce vomiting immediately and call a physician. Keep respiratory tract clear. 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**: May cause an allergic skin reaction. May cause cancer. May damage fertility or the unborn child.

**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 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 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: 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.

Further information on storage conditions: Keep only in the original container in a cool, well-ventilated place. Protect from direct sunlight. Store protected against freezing.

Materials to avoid: Observe VCI storage rules.

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>stearic acid</td>
<td>57-11-4</td>
<td>TWA value</td>
<td>10 mg/m3</td>
<td>ACGIHTLV</td>
</tr>
<tr>
<td>Substance</td>
<td>TWA value</td>
<td>STEL value</td>
<td>REL value</td>
<td>PEL</td>
</tr>
<tr>
<td>---------------------------------</td>
<td>----------</td>
<td>------------</td>
<td>-----------</td>
<td>------------</td>
</tr>
<tr>
<td>dibutyltin dilaurate</td>
<td>77-58-7</td>
<td>0.1 mg/m3</td>
<td>0.1 mg/m3</td>
<td>0.1 mg/m3</td>
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<tr>
<td>ethylenediamine</td>
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<td>10 ppm</td>
<td>10 ppm</td>
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<tr>
<td>Component</td>
<td>TWAEV</td>
<td>10 ppm 25 mg/m³</td>
<td>CA QC OEL</td>
<td></td>
</tr>
<tr>
<td>---------------------------</td>
<td>-------</td>
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<td>-----------</td>
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</tr>
<tr>
<td>Limestone</td>
<td></td>
<td></td>
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<td></td>
</tr>
<tr>
<td>REL value (Respirable)</td>
<td>5 mg/m³</td>
<td></td>
<td>NIOSH</td>
<td></td>
</tr>
<tr>
<td>REL value (Total)</td>
<td>10 mg/m³</td>
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<td>NIOSH</td>
<td></td>
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<tr>
<td>PEL (Respirable fraction)</td>
<td>5 mg/m³</td>
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<td>5 mg/m³</td>
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<td>29 CFR 1910.1000 (Table Z-1-A)</td>
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<tr>
<td>TWA value (Total dust)</td>
<td>15 mg/m³</td>
<td></td>
<td>29 CFR 1910.1000 (Table Z-1-A)</td>
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</tr>
<tr>
<td>TWA</td>
<td>10 mg/m³</td>
<td></td>
<td>CA AB OEL</td>
<td></td>
</tr>
<tr>
<td>TWAEV (Total dust)</td>
<td>10 mg/m³</td>
<td></td>
<td>CA QC OEL</td>
<td></td>
</tr>
<tr>
<td>TWA (Total dust)</td>
<td>10 mg/m³</td>
<td></td>
<td>CA BC OEL</td>
<td></td>
</tr>
<tr>
<td>TWA (Respirable dust fraction)</td>
<td>3 mg/m³</td>
<td></td>
<td>CA BC OEL</td>
<td></td>
</tr>
<tr>
<td>STEL</td>
<td>20 mg/m³</td>
<td></td>
<td>CA BC OEL</td>
<td></td>
</tr>
<tr>
<td>carbon black</td>
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<td></td>
<td></td>
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<tr>
<td>TWA value (Inhalable fraction)</td>
<td>3 mg/m³</td>
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<td>ACGIH/TLV</td>
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<td>REL value</td>
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</tr>
<tr>
<td>TWA</td>
<td>3.5 mg/m³</td>
<td></td>
<td>CA AB OEL</td>
<td></td>
</tr>
<tr>
<td>TWA (Inhalable)</td>
<td>3 mg/m³</td>
<td></td>
<td>CA BC OEL</td>
<td></td>
</tr>
<tr>
<td>TWAEV</td>
<td>3.5 mg/m³</td>
<td></td>
<td>CA QC OEL</td>
<td></td>
</tr>
<tr>
<td>TWA (Inhalable particulate matter)</td>
<td>3 mg/m³</td>
<td></td>
<td>ACGIH</td>
<td></td>
</tr>
<tr>
<td>Titanium dioxide</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>TWA value</td>
<td>10 mg/m³</td>
<td></td>
<td>ACGIH/TLV</td>
<td></td>
</tr>
<tr>
<td>PEL (Total dust)</td>
<td>15 mg/m³</td>
<td></td>
<td>29 CFR 1910.1000 (Table Z-1)</td>
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</tr>
<tr>
<td></td>
<td>TWA</td>
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<td>(Table Z-1-A)</td>
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<tr>
<td>----------</td>
<td>----------------</td>
<td>----------</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 (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>TWA (total dust)</td>
<td>10 mg/m³</td>
<td>CA QC OEL</td>
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<td></td>
</tr>
<tr>
<td>TWA</td>
<td>10 mg/m³</td>
<td>ACGIH</td>
<td></td>
<td></td>
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<tr>
<td>Quartz (SiO2) 14808-60-7</td>
<td>TWA value (Respirable fraction)</td>
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<td>ACGIHTLV</td>
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</tr>
<tr>
<td></td>
<td>TWA value</td>
<td></td>
<td></td>
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</tr>
<tr>
<td>TWA value (Respirable dust)</td>
<td>0.05 mg/m³</td>
<td>29 CFR 1910.1001-1050</td>
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<td></td>
</tr>
<tr>
<td>OSHA Action level</td>
<td>0.025 mg/m³ (Respirable dust)</td>
<td>29 CFR 1910.1001-1050</td>
<td></td>
<td></td>
</tr>
<tr>
<td>REL value (Respirable dust)</td>
<td>0.05 mg/m³</td>
<td>NIOSH</td>
<td></td>
<td></td>
</tr>
<tr>
<td>TWA (Respirable particulates)</td>
<td>0.025 mg/m³</td>
<td>CA AB OEL</td>
<td></td>
<td></td>
</tr>
<tr>
<td>TWA (Respirable fraction)</td>
<td>0.1 mg/m³</td>
<td>CA ON OEL</td>
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</tr>
<tr>
<td>TWAEV (respirable dust)</td>
<td>0.1 mg/m³</td>
<td>CA QC OEL</td>
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<tr>
<td>TWA (Respirable particulate matter)</td>
<td>0.025 mg/m³ (Silica)</td>
<td>CA BC OEL</td>
<td></td>
<td></td>
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<tr>
<td>TWA (Respirable particulate matter)</td>
<td>0.025 mg/m³ (Silica)</td>
<td>ACGIH</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

**Personal protective equipment**

**Respiratory protection**: Wear respiratory protection if ventilation is inadequate.

**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.  
No special measures necessary if stored and handled correctly.
Handle in accordance with good building materials hygiene and safety practice.
Wearing of closed work clothing is recommended.
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: paste
Color: gray
Odor: faint odour
pH: No data available
Melting point: No applicable information available.
Freezing point: No applicable information available.
Boiling point: No applicable information available.
Flash point: > 253 °F

Method: Standard Method of Test for Flash Point by Setaflash Closed Tester does not flash

Evaporation rate: No applicable information available.
Flammability (solid, gas): not determined
Self-ignition: not self-igniting
Upper explosion limit / Upper flammability limit: No applicable information available.
Lower explosion limit / Lower flammability limit: No applicable information available.
Vapor pressure: No applicable information available.
Relative vapor density: No applicable information available.
Relative density: No applicable information available.
Density: 1.40 g/cm³ (22 - 25 °C)
Solubility(ies):
Water solubility: insoluble (15 °C)
Solubility in other solvents: No applicable information available.
Partition coefficient: n-
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 : Avoid moisture.
     See SDS section 7 - Handling and storage.
Incompatible materials : Strong acids
     Strong bases
     Strong oxidizing agents
     Strong reducing agents
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
Not classified based on available information.
Product:
Remarks : May cause skin irritation and/or dermatitis.

Serious eye damage/eye irritation
Not classified based on available information.

Product:
Remarks : May cause irreversible eye damage.

Respiratory or skin sensitization

Skin sensitization
May cause an allergic skin reaction.

Respiratory sensitization
Not classified based on available information.

Product:
Remarks : Causes sensitization.

Germ cell mutagenicity
Not classified based on available information.

Carcinogenicity
May cause cancer.

Reproductive toxicity
May damage fertility or the unborn child.

STOT-single exposure
Not classified based on available information.

STOT-repeated exposure
Not classified based on available information.

Aspiration toxicity
Not classified based on available information.

Product:
No aspiration hazard expected.

Further information

Product:
Remarks : The product has not been tested. The statement has been derived from the properties of the individual components.
Remarks : No data available

SECTION 12. ECOLOGICAL INFORMATION

Ecotoxicity
No data available
Persistence and degradability
No data available

Bioaccumulative potential

Components:

dibutyltin dilaurate:
Partition coefficient: n-octanol/water
: log Pow: 3.17 (20.8 °C)
pH: 6.1 - 6.3
Method: Partition coefficient (n-octanol/water), Shake-flask method
GLP: yes

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

2-(2H-Benzotriazol-2-yl)-4,6-diterrpentylphenol:
Partition coefficient: n-octanol/water
: log Pow: > 6.5 (23 °C)
pH: 6.4
Method: Partition coefficient (n-octanol/water), HPLC method.

log Pow: 7.3 (25 °C)
Method: other (calculated)

bis(1,2,2,6,6-pentamethyl-4-piperidyl)sebacate:
Partition coefficient: n-octanol/water
: Remarks: No data available.

bis(2,2,6,6-tetramethyl-4-piperidyl)sebacate:
Partition coefficient: n-octanol/water
: log Pow: 0.35 (25 °C)
pH: 7
Method: Partition coefficient (n-octanol/water), Shake-flask method

Methyl 1,2,2,6,6-pentamethyl-4-piperidyl sebacate:
Partition coefficient: n-octanol/water
: Remarks: No data available.

N-(3-(Trimethoxysilyl)propyl)ethylenediamine:
Partition coefficient: n-octanol/water
: log Pow: -0.82
Method: other (calculated)

Trimethoxyvinylsilane:
Partition coefficient: n-octanol/water
: log Pow: 1.1 (20 °C)

Dibutylbis(pentane-2,4-dionato-O,O’)tin:
Partition coefficient: n-octanol/water
: Remarks: Study technically not feasible.

calcium carbonate:
Partition coefficient: n-octanol/water
: GLP: no
octanol/water

Remarks: The value has not been determined because the substance is inorganic.

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

carbon black:
Partition coefficient: n-octanol/water
: Remarks: not applicable

stearic acid:
Partition coefficient: n-octanol/water
: Remarks: No data available.

\[ \log Pow = 8.23 \]
Method: other (measured)

Mobility in soil
No data available

Other adverse effects

Product:
Additional ecological information
: An environmental hazard cannot be excluded in the event of unprofessional handling or disposal.
Harmful to aquatic life.
Harmful to aquatic life with long lasting effects.

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:

- **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.
- **DSL**: This product contains the following components that are not on the Canadian DSL nor NDSL. Proprietary Polymer

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) / PEL: Permissible exposure limit
- ACGIH / TWA: Time Weighted Average (TWA):
- ACGIH / STEL: Short-term exposure limit
- ACGIHTLV / STEL value: Short Term Exposure Limit (STEL):
- ACGIHTLV / TWA value: Time Weighted Average (TWA):
- CA AB OEL / TWA: 8-hour Occupational exposure limit
We support worldwide Responsible Care® initiatives. We value the health and safety of our employees, customers, suppliers and neighbors, and the protection of the environment. Our commitment to Responsible Care is integral to conducting our business and operating our facilities in a safe and environmentally responsible fashion, supporting our customers and suppliers in ensuring the safe and environmentally sound handling of our products, and minimizing the impact of our operations on society and the environment during production, storage, transport, use and disposal of our products.

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