



## SikaEmaco®-426 (Formerly MEmaco N 426)

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### SECTION 1. IDENTIFICATION

Product name : SikaEmaco®-426 (Formerly MEmaco N 426)

Company name : Sika Corporation  
201 Polito Avenue  
Lyndhurst, NJ 07071  
USA  
www.sikausa.com

Telephone : (201) 933-8800

Telefax : (201) 804-1076

E-mail address : ehs@sika-corp.com

Emergency telephone : CHEMTREC: 800-424-9300  
INTERNATIONAL: +1-703-527-3887

Recommended use of the chemical and restrictions on use : For further information, refer to product data sheet.

### SECTION 2. HAZARDS IDENTIFICATION

#### GHS classification in accordance with the OSHA Hazard Communication Standard (29 CFR 1910.1200)

Skin corrosion : Sub-category 1C

Serious eye damage : Category 1

Skin sensitization : Category 1

Carcinogenicity (Inhalation) : Category 1A

#### Other hazards

#### GHS label elements

Hazard pictograms : 

Signal Word : Danger

Hazard Statements : H314 Causes severe skin burns and eye damage.  
H317 May cause an allergic skin reaction.



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H350 May cause cancer by inhalation.

Supplemental Hazard State-ments : Corrosive to the respiratory tract.

Precautionary Statements : **Prevention:**  
P201 Obtain special instructions before use.  
P202 Do not handle until all safety precautions have been read and understood.  
P261 Avoid breathing dust.  
P272 Contaminated work clothing must not be allowed out of the workplace.  
P280 Wear protective gloves/ protective clothing/ eye protection/ face protection/ hearing protection.

**Response:**

P302 + P352 IF ON SKIN: Wash with plenty of water.  
P305 + P351 + P338 + P310 IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. Immediately call a POISON CENTER/ doctor.  
P308 + P313 IF exposed or concerned: Get medical advice/ attention.  
P333 + P313 If skin irritation or rash occurs: Get medical advice/ attention.  
P362 + P364 Take off contaminated clothing and wash it before reuse.

**Storage:**

P405 Store locked up.

**Disposal:**

P501 Dispose of contents/ container to an approved waste disposal plant.

**Additional Labeling**

There are no ingredients with unknown acute toxicity used in a mixture at a concentration  $\geq 1\%$ .  
None known.

### SECTION 3. COMPOSITION/INFORMATION ON INGREDIENTS

**Mixtures**

**Components**

| Chemical name                      | CAS No./Unique ID | Classification                          | Concentration (% w/w) |
|------------------------------------|-------------------|---|-----------------------|
| Silicon dioxide, cryptocrystalline | 7631-86-9         |   | $\geq 45 - \leq 70$   |
| Portland Cement                    | 65997-15-1        | Skin Corr. 1C; H314<br>Eye Dam. 1; H318 | $\geq 10 - \leq 30$   |



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|                                 |            |  |               |
|---------------------------------|------------|--|---------------|
|                                 |            | Skin Sens. 1; H317<br>STOT SE 3; H335                |               |
| calcium sulfate, natural        | 7778-18-9  |  | >= 1 - <= 5   |
| fumes, silica                   | 69012-64-2 |  | >= 1 - <= 5   |
| Quartz (SiO <sub>2</sub> ) >5µm | 14808-60-7 | Carc. 1A; H350<br>STOT RE 1; H372<br>STOT SE 3; H335 | >= 0.1 - <= 1 |
| Talc                            | 14807-96-6 |  | >= 0.1 - <= 1 |

Actual concentration is withheld as a trade secret

### 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.
- If inhaled : Move to fresh air.  
Consult a physician after significant exposure.
- In case of skin contact : Take off contaminated clothing and shoes immediately.  
Wash off with soap and plenty of water.  
Immediate medical treatment is necessary as untreated wounds from corrosion of the skin heal slowly and with difficulty.
- 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.  
Keep eye wide open while rinsing.
- If swallowed : Clean mouth with water and drink afterwards plenty of water.  
Do not induce vomiting without medical advice.  
Do not give milk or alcoholic beverages.  
Never give anything by mouth to an unconscious person.  
Take victim immediately to hospital.
- Most important symptoms and effects, both acute and delayed : Prolonged exposure can cause silicosis.  
May cause an allergic skin reaction.  
Causes serious eye damage.  
May cause cancer by inhalation.  
Causes severe burns.  
Corrosive to the respiratory tract.  
Health injuries may be delayed.  
corrosive effects  
sensitizing effects  
Allergic reactions



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### Dermatitis

Notes to physician : Treat symptomatically.

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## SECTION 5. FIRE-FIGHTING MEASURES

- Suitable extinguishing media : Use extinguishing measures that are appropriate to local circumstances and the surrounding environment.
- 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 : In the event of fire, wear self-contained breathing apparatus.

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## SECTION 6. ACCIDENTAL RELEASE MEASURES

- Personal precautions, protective equipment and emergency procedures : Use personal protective equipment.  
Avoid breathing dust.  
Deny access to unprotected persons.
- Environmental precautions : Do not flush into surface water or sanitary sewer system.  
If the product contaminates rivers and lakes or drains inform respective authorities.  
Local authorities should be advised if significant spillages cannot be contained.
- Methods and materials for containment and cleaning up : Pick up and arrange disposal without creating dust.  
Keep in suitable, closed containers for disposal.

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## 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 : Do not breathe vapors/dust.  
Avoid exceeding the given occupational exposure limits (see section 8).  
Do not get in eyes, on skin, or on clothing.  
For personal protection see section 8.  
Persons with a history of 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.  
Smoking, eating and drinking should be prohibited in the ap-



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- plication area.  
Follow standard hygiene measures when handling chemical products.
- Conditions for safe storage : Store in original container.  
Keep container tightly closed in a dry and well-ventilated place.  
Observe label precautions.  
Store in accordance with local regulations.
- Materials to avoid : Explosives  
Oxidizing agents  
Poisonous gases  
Dangerous when wet  
Flammable solids  
Organic peroxides  
Poisonous liquids  
Spontaneously Combustible Substances
- Further information on storage stability : Keep in a dry place.  
No decomposition if stored and applied as directed.

### SECTION 8. EXPOSURE CONTROLS/PERSONAL PROTECTION

#### Ingredients with workplace control parameters

| Components                         | CAS-No.    | Value type<br>(Form of exposure)    | Control parameters / Permissible concentration    | Basis     |
|------------------------------------|------------|-------------------------------------|---|-----------|
| Silicon dioxide, cryptocrystalline | 7631-86-9  | TWA (Dust)                          | 80 mg/m <sup>3</sup> / %SiO <sub>2</sub> (Silica) | OSHA Z-3  |
|                                    |            | PEL (respirable)                    | 0.05 mg/m <sup>3</sup>                            | OSHA CARC |
| Portland Cement                    | 65997-15-1 | TWA (Respirable particulate matter) | 1 mg/m <sup>3</sup>                               | ACGIH     |
|                                    |            | TWA (total dust)                    | 15 mg/m <sup>3</sup>                              | OSHA Z-1  |
|                                    |            | TWA (respirable fraction)           | 5 mg/m <sup>3</sup>                               | OSHA Z-1  |
|                                    |            | TWA (Total dust)                    | 10 mg/m <sup>3</sup>                              | OSHA P0   |
|                                    |            | TWA (respirable dust fraction)      | 5 mg/m <sup>3</sup>                               | OSHA P0   |
|                                    |            | TWA (Dust)                          | 50 Million particles per cubic foot               | OSHA Z-3  |
|                                    |            | TWA (Total)                         | 10 mg/m <sup>3</sup>                              | OSHA P0   |



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|--------------------------|------------|-------------------------------------|--|-----------|
|                          |            | TWA (Respirable fraction)           | 5 mg/m3                                      | OSHA P0   |
| calcium sulfate, natural | 7778-18-9  | TWA (total dust)                    | 15 mg/m3                                     | OSHA Z-1  |
|                          |            | TWA (respirable fraction)           | 5 mg/m3                                      | OSHA Z-1  |
|                          |            | TWA (Total dust)                    | 15 mg/m3                                     | OSHA P0   |
|                          |            | TWA (respirable dust fraction)      | 5 mg/m3                                      | OSHA P0   |
|                          |            | TWA (Inhalable particulate matter)  | 10 mg/m3 (Calcium)                           | ACGIH     |
| fumes, silica            | 69012-64-2 | TWA (Dust)                          | 20 Million particles per cubic foot (Silica) | OSHA Z-3  |
|                          |            | TWA (Dust)                          | 80 mg/m3 / %SiO2 (Silica)                    | OSHA Z-3  |
|                          |            | TWA (Dust)                          | 20 Million particles per cubic foot (Silica) | OSHA Z-3  |
|                          |            | TWA (Dust)                          | 80 mg/m3 / %SiO2 (Silica)                    | OSHA Z-3  |
| Quartz (SiO2) >5µm       | 14808-60-7 | TWA (Respirable particulate matter) | 0.025 mg/m3                                  | ACGIH     |
|                          |            | TWA (Respirable dust)               | 0.05 mg/m3                                   | OSHA Z-1  |
|                          |            | TWA (respirable)                    | 10 mg/m3 / %SiO2+2                           | OSHA Z-3  |
|                          |            | TWA (respirable)                    | 250 mppcf / %SiO2+5                          | OSHA Z-3  |
|                          |            | TWA (respirable dust fraction)      | 0.1 mg/m3                                    | OSHA P0   |
|                          |            | TWA (Respirable particulate matter) | 0.025 mg/m3 (Silica)                         | ACGIH     |
|                          |            | PEL (respirable)                    | 0.05 mg/m3                                   | OSHA CARC |
|                          |            | TWA (respirable dust fraction)      | 0.1 mg/m3                                    | OSHA P0   |
|                          |            | TWA (Res-                           | 0.025 mg/m3                                  | ACGIH     |



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|      |            |                                     |                                     |           |
|------|------------|-------------------------------------|-------------------------------------|-----------|
|      |            | pirable particulate matter)         |                                     |           |
|      |            | TWA (Respirable particulate matter) | 0.025 mg/m <sup>3</sup> (Silica)    | ACGIH     |
| Talc | 14807-96-6 | TWA (Dust)                          | 20 Million particles per cubic foot | OSHA Z-3  |
|      |            | TWA (respirable dust fraction)      | 2 mg/m <sup>3</sup>                 | OSHA P0   |
|      |            | TWA (Respirable particulate matter) | 2 mg/m <sup>3</sup>                 | ACGIH     |
|      |            | PEL (respirable)                    | 0.05 mg/m <sup>3</sup>              | OSHA CARC |

The above constituents are the only constituents of the product which have a PEL, TLV or other recommended exposure limit. At this time, the other constituents have no known exposure limits.

### Particles of nuisance dust

| Form of exposure    | Value type | Control parameters   | Basis    |
|---------------------|------------|----------------------|----------|
| total dust          | TWA        | 15 mg/m <sup>3</sup> | OSHA Z-3 |
| respirable fraction | TWA        | 5 mg/m <sup>3</sup>  | OSHA Z-3 |

**Engineering measures** : Use of adequate ventilation should be sufficient to control worker exposure to airborne contaminants. If the use of this product generates dust, fumes, gas, vapor or mist, use process enclosures, local exhaust ventilation or other engineering controls to keep worker exposure below any recommended or statutory limits.

### Personal protective equipment

**Respiratory protection** : Use a properly fitted NIOSH approved air-purifying or air-fed respirator complying with an approved standard if a risk assessment indicates this is necessary.

The filter class for the respirator must be suitable for the maximum expected contaminant concentration (gas/vapor/aerosol/particulates) that may arise when handling the product. If this concentration is exceeded, self-contained breathing apparatus must be used.

**Hand protection** : Chemical-resistant, impervious gloves complying with an approved standard should be worn at all times when handling chemical products if a risk assessment indicates this is necessary.



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|                          |  |
|--------------------------|--|
|                          | essary.  |
| Eye protection           | : Safety eyewear complying with an approved standard should be used when a risk assessment indicates this is necessary.  |
| Skin and body protection | : Choose body protection in relation to its type, to the concentration and amount of dangerous substances, and to the specific work-place.   |
| Hygiene measures         | : Avoid contact with skin, eyes and clothing.<br>Wash hands before breaks and immediately after handling the product.<br>Remove contaminated clothing and protective equipment before entering eating areas.<br>Wash thoroughly after handling.<br>Avoid breathing dust. |

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### SECTION 9. PHYSICAL AND CHEMICAL PROPERTIES

|  |                     |
|--|---------------------|
| Appearance                                       | : powder            |
| Color  | : gray              |
| Odor   | : odorless          |
| Odor Threshold                                   | : No data available |
| pH   | : alkaline          |
| Melting point/ range / Freezing point            | : No data available |
| Boiling point/boiling range                      | : No data available |
| Flash point                                      | : Not applicable    |
| Evaporation rate                                 | : No data available |
| Flammability (solid, gas)                        | : No data available |
| Upper explosion limit / Upper flammability limit | : No data available |
| Lower explosion limit / Lower flammability limit | : No data available |
| Vapor pressure                                   | : No data available |
| Relative vapor density                           | : No data available |
| Density  | : No data available |





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| Bulk density                             | : 1.8 kg/m <sup>3</sup> |
| Solubility(ies)                          |                         |
| Water solubility                         | : insoluble             |
| Solubility in other solvents             | : No data available     |
| Partition coefficient: n-octanol/water   | : No data available     |
| Autoignition temperature                 | : No data available     |
| Decomposition temperature                | : No data available     |
| Viscosity                                |                         |
| Viscosity, dynamic                       | : No data available     |
| Viscosity, kinematic                     | : Not applicable        |
| Explosive properties                     | : No data available     |
| Oxidizing properties                     | : No data available     |
| Volatile organic compounds (VOC) content | : Not applicable        |

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### SECTION 10. STABILITY AND REACTIVITY

|                                    |   |
|------------------------------------|---|
| Reactivity                         | : No dangerous reaction known under conditions of normal use. |
| Chemical stability                 | : The product is chemically stable.                           |
| Possibility of hazardous reactions | : Stable under recommended storage conditions.                |
| Conditions to avoid                | : No data available   |
| Incompatible materials             | : No data available   |
| Hazardous decomposition products   | : No decomposition if stored and applied as directed.         |

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### SECTION 11. TOXICOLOGICAL INFORMATION

#### Acute toxicity

Not classified due to lack of data.

#### Components:

#### Silicon dioxide, cryptocrystalline:

Acute oral toxicity : LD50 Oral (Rat): > 5,000 mg/kg



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Method: Expert judgment

Acute dermal toxicity : LD50 Dermal (Rabbit): > 5,000 mg/kg  
Method: Expert judgment

### calcium sulfate, natural:

Acute oral toxicity : LD50 Oral (Rat): > 5,000 mg/kg

### Skin corrosion/irritation

Causes severe burns.

### Serious eye damage/eye irritation

Causes serious eye damage.

### Respiratory or skin sensitization

#### Skin sensitization

May cause an allergic skin reaction.

#### Respiratory sensitization

Not classified due to lack of data.

#### Germ cell mutagenicity

Not classified due to lack of data.

### Carcinogenicity

May cause cancer by inhalation.

|             |   |            |
|-------------|---|------------|
| <b>IARC</b> | Group 1: Carcinogenic to humans<br>Quartz (SiO <sub>2</sub> )<br>(Silica dust, crystalline) | 14808-60-7 |
|-------------|---|------------|

|             |   |            |
|-------------|---|------------|
| <b>OSHA</b> | OSHA specifically regulated carcinogen<br>Silicon dioxide, cryptocrystalline<br>(crystalline silica)                                      | 7631-86-9  |
|             | OSHA specifically regulated carcinogen<br>Quartz (SiO <sub>2</sub> )<br>(crystalline silica)  | 14808-60-7 |
|             | OSHA specifically regulated carcinogen<br>Talc (Mg <sub>3</sub> H <sub>2</sub> (SiO <sub>3</sub> ) <sub>4</sub> )<br>(crystalline silica) | 14807-96-6 |

|            |   |            |
|------------|---|------------|
| <b>NTP</b> | Known to be human carcinogen<br>Quartz (SiO <sub>2</sub> )<br>(Silica, Crystalline (Respirable Size)) | 14808-60-7 |
|------------|---|------------|

### Reproductive toxicity

Not classified due to lack of data.



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### STOT-single exposure

Corrosive to the respiratory tract.

### STOT-repeated exposure

Not classified due to lack of data.

Once sensitized, a severe allergic reaction may occur when subsequently exposed to very low levels.  
Prolonged exposure can cause silicosis.

### Aspiration toxicity

Not classified due to lack of data.

### Further information

#### Product:

Quartz (14808-60-7): This classification is relevant when exposed to Quartz (silicon dioxide) in dust or powder form only, including cured product that is subject to sanding, grinding, cutting, or other surface preparation activities.

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## SECTION 12. ECOLOGICAL INFORMATION

### Ecotoxicity

No data available

### Persistence and degradability

No data available

### Bioaccumulative potential

No data available

### Mobility in soil

No data available

### Other adverse effects

#### Product:

Additional ecological information : Do not empty into drains; dispose of this material and its container in a safe way.

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## SECTION 13. DISPOSAL CONSIDERATIONS

### Disposal methods

Waste from residues : Disposal of this product, solutions and any by-products should at all times comply with the requirements of environmental protection and waste disposal legislation and any regional local authority requirements.

Contaminated packaging : Empty containers should be taken to an approved waste handling site for recycling or disposal.



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### SECTION 14. TRANSPORT INFORMATION

#### International Regulations

##### IATA-DGR

Not regulated as a dangerous good

##### IMDG-Code

Not regulated as a dangerous good

#### Domestic regulation

##### 49 CFR Road

Not regulated as a dangerous good

#### Special precautions for user

Not applicable

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### SECTION 15. REGULATORY INFORMATION

#### TSCA list

: All chemical substances in this product are either listed as active on the TSCA Inventory or are in compliance with a TSCA Inventory exemption.

No substances are subject to a Significant New Use Rule.

No substances are subject to TSCA 12(b) export notification requirements.

#### CERCLA Reportable Quantity

This material does not contain any components with a CERCLA RQ.

#### SARA 304 Extremely Hazardous Substances Reportable Quantity

This material does not contain any components with a section 304 EHS RQ.

#### SARA 302 Extremely Hazardous Substances Threshold Planning Quantity

This material does not contain any components with a section 302 EHS TPQ.

#### SARA 311/312 Hazards

: Respiratory or skin sensitization  
Carcinogenicity  
Skin corrosion or irritation  
Serious eye damage or eye irritation

#### SARA 313

: This material does not contain any chemical components with known CAS numbers that exceed the threshold (De Minimis) reporting levels established by SARA Title III, Section 313.



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### Clean Air Act

This product does not contain any hazardous air pollutants (HAP), as defined by the U.S. Clean Air Act Section 112 (40 CFR 61).

### California Prop. 65

**⚠ WARNING:** This product can expose you to chemicals including Portland Cement, which is known to the State of California to cause cancer and birth defects or other reproductive harm. For more information go to [www.P65Warnings.ca.gov](http://www.P65Warnings.ca.gov).

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## SECTION 16. OTHER INFORMATION

### Full text of other abbreviations

|                 |   |  |
|-----------------|---|--|
| ACGIH           | : | USA. ACGIH Threshold Limit Values (TLV)  |
| OSHA CARC       | : | OSHA Specifically Regulated Chemicals/Carcinogens                                |
| OSHA P0         | : | USA. Table Z-1-A Limits for Air Contaminants (1989 vacated values)               |
| OSHA Z-1        | : | USA. Occupational Exposure Limits (OSHA) - Table Z-1 Limits for Air Contaminants |
| OSHA Z-3        | : | USA. Occupational Exposure Limits (OSHA) - Table Z-3 Mineral Dusts               |
| ACGIH / TWA     | : | 8-hour, time-weighted average  |
| OSHA CARC / PEL | : | Permissible exposure limit (PEL)   |
| OSHA P0 / TWA   | : | 8-hour time weighted average   |
| OSHA Z-1 / TWA  | : | 8-hour time weighted average   |
| OSHA Z-3 / TWA  | : | 8-hour time weighted average   |

### Notes to Reader

The information contained in this Safety Data Sheet applies only to the actual Sika Corporation ("Sika") product identified and described herein. This information is not intended to address, nor does it address the use or application of the identified Sika product in combination with any other material, product or process. All of the information set forth herein is based on technical data regarding the identified product that Sika believes to be reliable as of the date hereof. Prior to each use of any Sika product, the user must always read and follow the warnings and instructions on the product's current Product Data Sheet, product label and Safety Data Sheet for each Sika product, which are available at web site and/or telephone number listed in Section 1 of this SDS.

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