



## Sikasil® WS-305 AM

Revision Date 08/03/2023

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### SECTION 1. IDENTIFICATION

Product name : Sikasil® WS-305 AM

Other means of identification : No data available

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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 Hazardous Products Regulations

Flammable liquids : Category 4

Skin sensitization : Category 1

Carcinogenicity (Inhalation) : Category 1A

Reproductive toxicity : Category 2

Specific target organ toxicity - repeated exposure : Category 2

#### GHS label elements

Hazard pictograms : 

Signal Word : Danger

Hazard Statements : H227 Combustible liquid.  
H317 May cause an allergic skin reaction.



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H350 May cause cancer by inhalation.  
H361 Suspected of damaging fertility or the unborn child.  
H373 May cause damage to organs through prolonged or repeated exposure.

Precautionary Statements :

**Prevention:**

P201 Obtain special instructions before use.  
P202 Do not handle until all safety precautions have been read and understood.  
P210 Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking.  
P260 Do not breathe mist or vapors.  
P272 Contaminated work clothing should not be allowed out of the workplace.  
P280 Wear protective gloves/ protective clothing/ eye protection/ face protection.

**Response:**

P302 + P352 IF ON SKIN: Wash with plenty of water.  
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.  
P370 + P378 In case of fire: Use dry sand, dry chemical or alcohol-resistant foam to extinguish.

**Storage:**

P403 Store in a well-ventilated place.  
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  $\geq 1\%$ .

**Other hazards**

None known.

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### SECTION 3. COMPOSITION/INFORMATION ON INGREDIENTS

Substance / Mixture : Mixture

**Components**

| Chemical name         | CAS-No.    | Classification      | Concentration (% w/w) |
|-----------------------|------------|---------------------|-----------------------|
| butan-2-one O,O',O''- | 22984-54-9 | Eye Irrit. 2A; H319 | $\geq 1 - < 5$        |



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|                            |            |                                                      |              |
|----------------------------|------------|------------------------------------------------------|--------------|
| (methylsilylidyne)trioxime |            | Skin Sens. 1; H317<br>STOT RE 2; H373                |              |
| Quartz (SiO2) >5µm         | 14808-60-7 | Carc. 1A; H350<br>STOT RE 1; H372<br>STOT SE 3; H335 | >= 0.1 - < 1 |

Actual concentration or concentration range 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.  
If symptoms persist, call a physician.
- In case of eye contact : Remove contact lenses.  
Keep eye wide open while rinsing.  
If eye irritation persists, consult a specialist.
- 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.  
Obtain medical attention.
- Most important symptoms and effects, both acute and delayed : sensitizing effects  
Allergic reactions  
May cause an allergic skin reaction.  
May cause cancer by inhalation.  
Suspected of damaging fertility or the unborn child.  
May cause damage to organs through prolonged or repeated exposure.
- Notes to physician : Treat symptomatically.

**SECTION 5. FIRE-FIGHTING MEASURES**

- Suitable extinguishing media : Carbon dioxide (CO2)
- Unsuitable extinguishing media : Water
- Further information : Collect contaminated fire extinguishing water separately. This must not be discharged into drains.



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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.  
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 : Soak up with inert absorbent material (e.g. sand, silica gel, acid binder, universal binder, sawdust).  
Keep in suitable, closed containers for disposal.

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### SECTION 7. HANDLING AND STORAGE

Advice on protection against fire and explosion : Normal measures for preventive fire protection.

Advice on safe handling : Do not breathe vapors or spray mist.  
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 application area.  
Follow standard hygiene measures when handling chemical products.

Conditions for safe storage : Store in original container.  
Keep in a well-ventilated place.  
Observe label precautions.  
Store in accordance with local regulations.

Materials to avoid : Explosives  
Oxidizing agents  
Poisonous gases  
Poisonous liquids



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**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     |
|---------------------------------|------------|-------------------------------------|------------------------------------------------|-----------|
| Quartz (SiO <sub>2</sub> ) >5µm | 14808-60-7 | TWA (Respirable particulates)       | 0.025 mg/m <sup>3</sup>                        | CA AB OEL |
|                                 |            | TWA (Respirable fraction)           | 0.1 mg/m <sup>3</sup>                          | CA ON OEL |
|                                 |            | TWAEV (respirable dust)             | 0.1 mg/m <sup>3</sup>                          | CA QC OEL |
|                                 |            | TWA (Respirable)                    | 0.025 mg/m <sup>3</sup> (Silica)               | CA BC OEL |
|                                 |            | TWA (Respirable)                    | 0.025 mg/m <sup>3</sup>                        | CA BC OEL |
|                                 |            | TWA (Respirable)                    | 0.025 mg/m <sup>3</sup> (Silica)               | CA BC OEL |
|                                 |            | TWA (Respirable particulate matter) | 0.025 mg/m <sup>3</sup>                        | ACGIH     |
|                                 |            | TWA (Respirable particulate matter) | 0.025 mg/m <sup>3</sup> (Silica)               | ACGIH     |
|                                 |            | TWA (Respirable particulate matter) | 0.025 mg/m <sup>3</sup>                        | ACGIH     |
|                                 |            | TWA (Respirable particulate matter) | 0.025 mg/m <sup>3</sup> (Silica)               | ACGIH     |

**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.  
The engineering controls also need to keep gas, vapor or dust concentrations below any lower explosive limits.



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### 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.
- 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.  
Wash hands before breaks and immediately after handling the product.  
Remove respiratory and skin/eye protection only after vapors have been cleared from the area.  
Remove contaminated clothing and protective equipment before entering eating areas.  
Wash thoroughly after handling.

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### SECTION 9. PHYSICAL AND CHEMICAL PROPERTIES

- Appearance : paste
- Color : various
- Odor : mild, musty
- Odor Threshold : No data available
- pH : Not applicable
- Melting point/range / Freezing point : No data available
- Boiling point/boiling range : No data available



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|                                                  |   |                                             |
|--------------------------------------------------|---|---------------------------------------------|
| Flash point                                      | : | 88 °C (190 °F)<br>(Method: closed cup)      |
| 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                                   | : | 0.01 hpa                                    |
| Relative vapor density                           | : | No data available                           |
| Density                                          | : | ca. 1.4 g/cm <sup>3</sup> (23 °C (73 °F))   |
| 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                             | : | > 20.5 mm <sup>2</sup> /s ( 40 °C (104 °F)) |
| Explosive properties                             | : | No data available                           |
| Oxidizing properties                             | : | No data available                           |
| Volatile organic compounds (VOC) content         | : | 16 g/l                                      |

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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.                           |



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- Possibility of hazardous reactions : Stable under recommended storage conditions.
- Conditions to avoid : Extremes of temperature and direct sunlight.
- Incompatible materials : No data available
- Hazardous decomposition products : No decomposition if stored and applied as directed.

### SECTION 11. TOXICOLOGICAL INFORMATION

Not classified based on available information.

#### **Skin corrosion/irritation**

Not classified based on available information.

#### **Serious eye damage/eye irritation**

Not classified based on available information.

#### **Respiratory or skin sensitization**

##### **Skin sensitization**

May cause an allergic skin reaction.

##### **Respiratory sensitization**

Not classified based on available information.

##### **Germ cell mutagenicity**

Not classified based on available information.

##### **Carcinogenicity**

May cause cancer by inhalation.

|             |                                                                            |            |
|-------------|----------------------------------------------------------------------------|------------|
| <b>IARC</b> | Group 1: Carcinogenic to humans                                            |            |
|             | Quartz (SiO <sub>2</sub> ) >5µm<br>(Silica dust, crystalline)              | 14808-60-7 |
|             | Group 2B: Possibly carcinogenic to humans                                  |            |
|             | Titanium dioxide                                                           | 13463-67-7 |
|             | Group 2B: Possibly carcinogenic to humans                                  |            |
|             | Carbon black, amorphous                                                    | 1333-86-4  |
| <b>OSHA</b> | OSHA specifically regulated carcinogen                                     |            |
|             | Quartz (SiO <sub>2</sub> ) >5µm<br>(crystalline silica)                    | 14808-60-7 |
| <b>NTP</b>  | Known to be human carcinogen                                               |            |
|             | Quartz (SiO <sub>2</sub> ) >5µm<br>(Silica, Crystalline (Respirable Size)) | 14808-60-7 |

##### **Reproductive toxicity**

Suspected of damaging fertility or the unborn child.





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**Product:**

Reproductive toxicity - Assessment : Suspected human reproductive toxicant

**STOT-single exposure**

Not classified based on available information.

**STOT-repeated exposure**

May cause damage to organs through prolonged or repeated exposure.  
Once sensitized, a severe allergic reaction may occur when subsequently exposed to very low levels.

**Aspiration toxicity**

Not classified based on available information.

**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.  
Avoid dispersal of spilled material and runoff and contact with soil, waterways, drains and sewers.



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### Global warming potential

**Assessment Report of the Intergovernmental Panel on Climate Change (IPCC) of the United Nations Framework Convention on Climate Change (UNFCCC)**

#### Components:

##### **octamethylcyclotetrasiloxane:**

20-year global warming potential: 2.66  
100-year global warming potential: 0.739  
500-year global warming potential: 0.211  
Atmospheric lifetime: 0.027 yr  
Radiative efficiency: 0.12 Wm<sup>2</sup>ppb  
Further information: Miscellaneous compounds

##### **decamethylcyclopentasiloxane:**

20-year global warming potential: 1.04  
100-year global warming potential: 0.289  
500-year global warming potential: 0.082  
Atmospheric lifetime: 0.016 yr  
Radiative efficiency: 0.098 Wm<sup>2</sup>ppb  
Further information: Miscellaneous compounds

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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

#### **Transport in bulk according to Annex II of MARPOL 73/78 and the IBC Code**

Not applicable for product as supplied.

### Domestic regulation

#### **TDG**



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Not regulated as a dangerous good

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### SECTION 15. REGULATORY INFORMATION

#### Canadian lists

No substances are subject to a Significant New Activity Notification.

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### SECTION 16. OTHER INFORMATION

#### Full text of other abbreviations

|                 |   |                                                                                                                                                                                 |
|-----------------|---|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| ACGIH           | : | USA. ACGIH Threshold Limit Values (TLV)                                                                                                                                         |
| CA AB OEL       | : | Canada. Alberta, Occupational Health and Safety Code (table 2: OEL)                                                                                                             |
| 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 air-borne contaminants                                        |
| ACGIH / TWA     | : | 8-hour, time-weighted average                                                                                                                                                   |
| CA AB OEL / TWA | : | 8-hour Occupational exposure limit                                                                                                                                              |
| CA BC OEL / TWA | : | 8-hour time weighted average                                                                                                                                                    |
| CA ON OEL / TWA | : | Time-Weighted Average Limit (TWA)                                                                                                                                               |
| CA QC OEL / TWA | : | Time-weighted average exposure value                                                                                                                                            |
| ADR             | : | Accord européen relatif au transport international des marchandises Dangereuses par Route                                                                                       |
| CAS             | : | Chemical Abstracts Service                                                                                                                                                      |
| DNEL            | : | Derived no-effect level                                                                                                                                                         |
| EC50            | : | Half maximal effective concentration                                                                                                                                            |
| GHS             | : | Globally Harmonized System                                                                                                                                                      |
| IATA            | : | International Air Transport Association                                                                                                                                         |
| IMDG            | : | International Maritime Code for Dangerous Goods                                                                                                                                 |
| LD50            | : | Median lethal dose (the amount of a material, given all at once, which causes the death of 50% (one half) of a group of test animals)                                           |
| LC50            | : | Median lethal concentration (concentrations of the chemical in air that kills 50% of the test animals during the observation period)                                            |
| MARPOL          | : | International Convention for the Prevention of Pollution from Ships, 1973 as modified by the Protocol of 1978                                                                   |
| OEL             | : | Occupational Exposure Limit                                                                                                                                                     |
| PBT             | : | Persistent, bioaccumulative and toxic                                                                                                                                           |
| PNEC            | : | Predicted no effect concentration                                                                                                                                               |
| REACH           | : | Regulation (EC) No 1907/2006 of the European Parliament and of the Council of 18 December 2006 concerning the Registration, Evaluation, Authorisation and Restriction of Chemi- |



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SVHC : calcs (REACH), establishing a European Chemicals Agency  
vPvB : Substances of Very High Concern  
: Very persistent and very bioaccumulative

### Notice to Reader:

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