



METROPOLITAN

# METROPOLITAN SYSTEMS **Complete**<sup>TM</sup> Modified Silane Wood Flooring Adhesive (MSC – Modified Silane)

## Safety Data Sheet

according to the Hazardous Products Regulation (February 11, 2015)  
Issue date: March 12, 2025 Version: 1.0

### SECTION 1: Identification

#### 1.1. Product identifier

Product form : Mixture  
Product name : METROPOLITAN SYSTEMS **Complete**<sup>TM</sup> Modified Silane Wood Flooring Adhesive (MSC – Modified Silane)

#### 1.2. Recommended use and restrictions on use

Recommended use : Adhesive  
Restrictions on use : No data available

#### 1.3. Supplier

Metropolitan Hardwood Floors, Inc.  
811 Cliveden Avenue  
Delta, BC V3M 5R6  
Canada  
T 1-800-992-3163

#### 1.4. Emergency telephone number

Emergency number : Canada & USA Toll Free - CHEMTREC 1-800-424-9300;  
Local # for out of country calling – CHEMTREC +1 703-527-3887

### SECTION 2: Hazard identification

#### 2.1. Classification of the substance or mixture

Classification (GHS CA)  
Not classified

#### 2.2. GHS Label elements, including precautionary statements

GHS CA labeling  
No labeling applicable

#### 2.3. Other hazards

No additional information available

#### 2.4. Unknown acute toxicity (GHS CA)

No additional information available

### SECTION 3: Composition/Information on ingredients

#### 3.1. Substances

Not applicable

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### 3.2. Mixtures

Name	Product identifier	Conc.
Calcium carbonate	CAS-No.: 471-34-1	50 – 70
Sodium borosilicate	CAS-No.: 50815-87-7	1 – 5
Quartz (SiO <sub>2</sub> )	CAS-No.: 14808-60-7	0.1 – 1

Full text of hazard classes and H-statements : see section 16

Comments : \*Chemical name, CAS number and/or exact concentration have been withheld as a trade secret

## SECTION 4: First-aid measures

### 4.1. Description of first aid measures

First-aid measures after inhalation : Remove person to fresh air and keep comfortable for breathing. If you feel unwell, seek medical advice.

First-aid measures after skin contact : Rinse skin with water/shower. If skin irritation or rash occurs: Get medical advice/attention.

First-aid measures after eye contact : Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. If eye irritation persists: Get medical advice/attention.

First-aid measures after ingestion : Get medical advice/attention if you feel unwell. Rinse mouth out with water. Never give anything by mouth to an unconscious person. Do not induce vomiting.

First-aid measures general : Get medical advice/attention if you feel unwell.

### 4.2. Most important symptoms and effects (acute and delayed)

Symptoms/effects after inhalation : No data available.

Symptoms/effects after skin contact : No data available.

Symptoms/effects after eye contact : No data available.

Symptoms/effects after ingestion : No data available.

### 4.3. Immediate medical attention and special treatment, if necessary

Other medical advice or treatment : Treat symptomatically.

## SECTION 5: Fire-fighting measures

### 5.1. Suitable extinguishing media

Suitable extinguishing media : Dry chemical, CO<sub>2</sub>, or water spray or regular foam.

### 5.2. Unsuitable extinguishing media

Unsuitable extinguishing media : No data available.

### 5.3. Specific hazards arising from the hazardous product

Hazardous decomposition products in case of fire : Toxic fumes may be released.

### 5.4. Special protective equipment and precautions for fire-fighters

Protection during firefighting : Do not attempt to take action without suitable protective equipment. Self-contained breathing apparatus. Complete protective clothing.

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### SECTION 6: Accidental release measures

#### 6.1. Personal precautions, protective equipment and emergency procedures

General measures : Ensure adequate ventilation. Wear personal protective equipment.

#### 6.2. Methods and materials for containment and cleaning up

Methods for cleaning up : Take up liquid spill into absorbent material. Collect all waste in suitable and labeled containers and dispose according to local legislation.

Other information : Dispose of materials or solid residues at an authorized site.

#### 6.3. Reference to other sections

For further information refer to section 8: "Exposure controls/personal protection"

### SECTION 7: Handling and storage

#### 7.1. Precautions for safe handling

Precautions for safe handling : Ensure good ventilation of the work station. Wear personal protective equipment.

Hygiene measures : Handle in accordance with good industrial hygiene and safety procedures.

#### 7.2. Conditions for safe storage, including any incompatibilities

Storage conditions : Store in a dry, cool and well-ventilated place. Keep container tightly closed.

### SECTION 8: Exposure controls/personal protection

#### 8.1. Control parameters

Calcium carbonate (471-34-1)	
Canada (Alberta) - Occupational Exposure Limits	
Local name	Calcium carbonate (Aragonite, Calcite, Marble, Vaterite)
OEL TWA	10 mg/m <sup>3</sup>
Notations and remarks	Occupational exposure limit is based on irritation effects and its adjustment to compensate for unusual work schedules is not required.
Regulatory reference	Alberta Regulation 191/2021
Canada (Quebec) - Occupational Exposure Limits	
Local name	Calcium carbonate
VEMP (OEL TWAEV)	10 mg/m <sup>3</sup> Td
Regulatory reference	S-2.1, r. 13 - Regulation respecting occupational health and safety
Canada (Nunavut) - Occupational Exposure Limits	
Local name	Limestone (calcium carbonate)
OEL TWA	10 mg/m <sup>3</sup>
OEL STEL	20 mg/m <sup>3</sup>
Regulatory reference	Occupational Health and Safety Regulations, Nu Reg 003-2016 (Amendment R-044-2021)
Canada (Northwest Territories) - Occupational Exposure Limits	
Local name	Limestone (calcium carbonate)
OEL TWA	10 mg/m <sup>3</sup>
OEL STEL	20 mg/m <sup>3</sup>
Regulatory reference	Occupation Health and Safety Regulations R-039-2015 (R-013-2020)
Canada (Saskatchewan) - Occupational Exposure Limits	
Local name	Limestone (calcium carbonate)
OEL TWA	10 mg/m <sup>3</sup>
OEL STEL	20 mg/m <sup>3</sup>

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<b>Calcium carbonate (471-34-1)</b>	
Regulatory reference	The Occupational Health and Safety Regulations, 2020. Chapter S-15.1 Reg 10
<b>USA - OSHA - Occupational Exposure Limits</b>	
Local name	CALCIUM CARBONATE
OSHA PEL TWA	5 mg/m³ (respirable fraction)
<b>Quartz (SiO2) (14808-60-7)</b>	
<b>Canada (Alberta) - Occupational Exposure Limits</b>	
Local name	Silica-Crystalline: Quartz
OEL TWA	0.025 mg/m³ Respirable particulate
Notations and remarks	Carcinogenicity A2
Regulatory reference	Alberta Regulation 191/2021
<b>Canada (Quebec) - Occupational Exposure Limits</b>	
Local name	Silica - Crystalline, Quartz
VEMP (OEL TWA EV)	0.1 mg/m³ Rd
Notations and remarks	C2, EM
Regulatory reference	S-2.1, r. 13 - Regulation respecting occupational health and safety
<b>Canada (British Columbia) - Occupational Exposure Limits</b>	
Local name	Silica, Crystalline - alpha quartz
OEL TWA	0.025 mg/m³ Respirable
Notations and remarks	ACGIH Carcinogenicity category A2; IARC group 1 carcinogen
Regulatory reference	OHS Guidelines Part 5: Chemical Agents and Biological Agents (WorkSafe BC)
<b>Canada (Manitoba) - Occupational Exposure Limits</b>	
Local name	Silica crystalline - quartz
OEL TWA	0.025 mg/m³ (R - Respirable particulate matter)
Notations and remarks	TLV® Basis: Pulm fibrosis; lung cancer. Notations: A2 (Suspected Human Carcinogen)
Regulatory reference	ACGIH 2024
<b>Canada (Newfoundland and Labrador) - Occupational Exposure Limits</b>	
Local name	Silica crystalline - quartz
OEL TWA	0.025 mg/m³ (R - Respirable particulate matter)
Notations and remarks	TLV® Basis: Pulm fibrosis; lung cancer. Notations: A2 (Suspected Human Carcinogen)
Regulatory reference	ACGIH 2024
<b>Canada (Nova Scotia) - Occupational Exposure Limits</b>	
Local name	Silica crystalline - quartz
OEL TWA	0.025 mg/m³ (R - Respirable particulate matter)
Notations and remarks	TLV® Basis: Pulm fibrosis; lung cancer. Notations: A2 (Suspected Human Carcinogen)
Regulatory reference	ACGIH 2024
<b>Canada (Nunavut) - Occupational Exposure Limits</b>	
Local name	Silica - Crystalline: Quartz
OEL TWA	0.05 mg/m³ (respirable fraction)
Notations and remarks	Designated substance
Regulatory reference	Occupational Health and Safety Regulations, Nu Reg 003-2016 (Amendment R-044-2021)
<b>Canada (Northwest Territories) - Occupational Exposure Limits</b>	
Local name	Silica - Crystalline: Quartz
OEL TWA	0.05 mg/m³ (respirable fraction)
Notations and remarks	Designated substance
Regulatory reference	Occupation Health and Safety Regulations R-039-2015 (R-013-2020)
<b>Canada (Ontario) - Occupational Exposure Limits</b>	
Local name	Silica, Crystalline - Quartz
OEL TWA EV	0.1 mg/m³ (R - Respirable fraction)
Regulatory reference	Ontario Occupational Exposure Limits under Regulation 833
<b>Canada (Prince Edward Island) - Occupational Exposure Limits</b>	
Local name	Silica crystalline - quartz
OEL TWA	0.025 mg/m³ (R - Respirable particulate matter)
Notations and remarks	TLV® Basis: Pulm fibrosis; lung cancer. Notations: A2 (Suspected Human Carcinogen)
Regulatory reference	ACGIH 2024

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### Quartz (SiO<sub>2</sub>) (14808-60-7)

#### Canada (Saskatchewan) - Occupational Exposure Limits

Local name	Silica - Crystalline: Quartz
OEL TWA	0.05 mg/m <sup>3</sup> (respirable fraction)
Notations and remarks	Designated Chemical Substance
Regulatory reference	The Occupational Health and Safety Regulations, 2020. Chapter S-15.1 Reg 10

#### USA - ACGIH - Occupational Exposure Limits

Local name	Silica crystalline - quartz
ACGIH OEL TWA	0.025 mg/m <sup>3</sup> (R - Respirable particulate matter)
Remark (ACGIH)	TLV® Basis: Pulm fibrosis; lung cancer. Notations: A2 (Suspected Human Carcinogen)
Regulatory reference	ACGIH 2024

#### USA - OSHA - Occupational Exposure Limits

Local name	Quartz (Respirable) (Silica: Crystalline)
Remark (OSHA)	Table Z-3. For OSHA PEL (TWA): Use formulas: (250 / (%SiO <sub>2</sub> +5)) for mppcf and (10 mg/m <sup>3</sup> / (%SiO <sub>2</sub> +2)) for mg/m <sup>3</sup> . CAS No. source: eCFR Table Z-1.
Regulatory reference (US-OSHA)	OSHA Annotated Table Z-3 Mineral Dusts

### 8.2. Appropriate engineering controls

Appropriate engineering controls	: Ensure good ventilation of the work station.
Environmental exposure controls	: No data available.

### 8.3. Individual protection measures/Personal protective equipment

<b>Hand protection:</b>
In case of repeated or prolonged contact wear gloves

<b>Eye protection:</b>
Safety glasses

<b>Skin and body protection:</b>
In case of possible repeated skin contact wear protective clothing

<b>Respiratory protection:</b>
Not required for normal conditions of use. In case of inadequate ventilation wear respiratory protection.

#### Personal protective equipment symbol(s):



## SECTION 9: Physical and chemical properties

### 9.1. Information on basic physical and chemical properties

Appearance	: Paste.
Color	: White
Odor	: Characteristic
Odor threshold	: No data available
pH	: No data available
Relative evaporation rate (butyl acetate=1)	: No data available
Relative evaporation rate (ether=1)	: No data available
Melting point	: No data available

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Freezing point	: No data available
Boiling point	: No data available
Flash point	: No data available
Auto-ignition temperature	: No data available
Decomposition temperature	: No data available
Flammability (solid, gas)	: Not applicable
Vapor pressure	: No data available
Relative vapor density at 20°C	: No data available
Relative density	: No data available
Density	: 1.44 g/ml
Solubility	: No data available
Partition coefficient n-octanol/water (Log Pow)	: No data available
Viscosity, kinematic	: No data available
Explosive properties	: Not explosive.
Oxidizing properties	: Not oxidising.
Explosion limits	: No data available

### 9.2. Other information

No additional information available

## SECTION 10: Stability and reactivity

Reactivity	: The product is non-reactive under normal conditions of use, storage and transport.
Chemical stability	: Stable under normal conditions.
Possibility of hazardous reactions	: No dangerous reactions known under normal conditions of use.
Conditions to avoid	: No data available.
Incompatible materials	: No data available.
Hazardous decomposition products	: Under normal conditions of storage and use, hazardous decomposition products should not be produced.
Hardening time:	: No additional information available

## SECTION 11: Toxicological information

### 11.1. Information on toxicological effects

Acute toxicity (oral)	: Not classified
Acute toxicity (dermal)	: Not classified
Acute toxicity (inhalation)	: Not classified
Skin corrosion/irritation	: Not classified
Serious eye damage/irritation	: Not classified
Respiratory or skin sensitization	: Not classified
Germ cell mutagenicity	: Not classified
Carcinogenicity	: Not classified

#### Quartz (SiO<sub>2</sub>) (14808-60-7)

IARC group	1 - Carcinogenic to humans
National Toxicity Program (NTP) Status	Known Human Carcinogens

Reproductive toxicity	: Not classified
STOT-single exposure	: Not classified
STOT-repeated exposure	: Not classified
Aspiration hazard	: Not applicable
Likely routes of exposure	: Inhalation. Skin and eye contact.
Symptoms/effects after inhalation	: No data available.
Symptoms/effects after skin contact	: No data available.

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Symptoms/effects after eye contact : No data available.  
Symptoms/effects after ingestion : No data available.

## SECTION 12: Ecological information

### 12.1. Toxicity

No additional information available

### 12.2. Persistence and degradability

No additional information available

### 12.3. Bioaccumulative potential

No additional information available

### 12.4. Mobility in soil

No additional information available

### 12.5. Other adverse effects

Ozone : Not classified

## SECTION 13: Disposal considerations

### 13.1. Disposal methods

Regional waste regulation : Disposal must be done according to official regulations.  
Waste treatment methods : Dispose of contents/container in accordance with licensed collector's sorting instructions.  
Product/Packaging disposal recommendations : Dispose in a safe manner in accordance with local/national regulations.  
Additional information : Non-hazardous waste. Empty containers should be taken for recycling, recovery or waste in accordance with local regulation.

## SECTION 14: Transport information

In accordance with TDG / DOT / IMDG / IATA

TDG	DOT	IMDG	IATA
<b>14.1. UN number</b>			
Not applicable	Not applicable	Not regulated	Not regulated
<b>14.2. Proper Shipping Name</b>			
Not applicable	Not applicable	Not regulated	Not regulated
<b>14.3. Transport hazard class(es)</b>			
Not applicable	Not applicable	Not regulated	Not regulated
<b>14.4. Packing group</b>			
Not applicable	Not applicable	Not regulated	Not regulated
<b>14.5. Environmental hazards</b>			
Not applicable	Not applicable	Not regulated	Not regulated
No supplementary information available			

### 14.6. Special precautions for user

TDG  
Not applicable

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### DOT

Not applicable

### IMDG

Not regulated

### IATA

Not regulated

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

Not applicable

## SECTION 15: Regulatory information

### 15.1. National regulations

#### Calcium carbonate (471-34-1)

Listed on the Canadian DSL (Domestic Substances List)

#### Sodium borosilicate (50815-87-7)

Listed on the Canadian DSL (Domestic Substances List)

Canada DSL NDSL Flags

Significant New Activity (SNAc) provisions of the Act apply

#### Quartz (SiO<sub>2</sub>) (14808-60-7)

Listed on the Canadian DSL (Domestic Substances List)

### 15.2. International regulations

#### Calcium carbonate (471-34-1)

Listed on the United States TSCA (Toxic Substances Control Act) inventory - Status: Active

Listed on INSQ (Mexican National Inventory of Chemical Substances)

#### Sodium borosilicate (50815-87-7)

Listed on the United States TSCA (Toxic Substances Control Act) inventory - Status: Active

#### Quartz (SiO<sub>2</sub>) (14808-60-7)

Listed on the United States TSCA (Toxic Substances Control Act) inventory - Status: Active

Listed on INSQ (Mexican National Inventory of Chemical Substances)

## SECTION 16: Other information

Issue date : Mach 12, 2025

Safety Data Sheet (SDS), Canada

This product represents a private label by Metropolitan Hardwood Floors, Inc. The information here is based on an original SDS prepared on February 6, 2025 by the manufacturer and is intended to describe the product for the purposes of health, safety and environmental requirements only. Metropolitan Hardwood Floors, Inc. expressly disclaims all liability of reliance thereon nor should this data be construed as guaranteeing any specific property of the product. For Limited Warranty details, visit [metrofloors.com](http://metrofloors.com).