



SAFETY DATA SHEET - SIMIX HIGH SHINE CERAMIC FLOOR COATING

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**1 . IDENTIFICATION**

**Product Identifier:** SIMIX - SMX 7700 SIMIX HIGH SHINE CERAMIC FLOOR COATING

**Other Means of Identification:** None

**Recommended Use:** All proper and legal purposes

**Recommended restrictions:** None known

**Manufacturer/Importer/Supplier/Distributor information**

**Manufacturer**

**Company name** SIMIX, LLC  
**Address** 9180 Prairie Village Drive  
Kenosha, WI 53142 USA  
**Website** simixusa.com  
**Telephone** 262-948-0567  
**Email** jeff@simixusa.com  
**Emergency number** 262-948-0567

**2 . HAZARDS IDENTIFICATION**

**United States (US)**

**According to OSHA 29 CFR 1910.1200 HCS**

**Label Elements**

**OSHA HCS 2012**

**WARNING**



**Hazard statements** H315 May cause skin irritation

**Precautionary statements** P103 Read label before use.  
P102 Keep out of reach of children.

**Prevention** P280 Wear protective gloves

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**Response** P312 IF SWALLOWED: Call a poison center if you feel unwell.  
P332+P313 If skin irritation occurs: Get medical advice/attention.  
P305+P351+P338 IF IN EYES: Rinse cautiously with water.  
Remove contact lenses, if present and easy to do. Continue rinsing.

**Storage/Disposal** P233 Keep container closed.  
P501 Dispose of contents/container in accordance with local/  
regional/national/international regulation

**Other hazards**  
**OSHA HCS 2012** Under United States Regulations (29 CFR 1910.1200 Hazard  
Communication Standard), this product is not considered  
hazardous.

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**Canada**  
**Label elements**  
**WHMIS**



D2B Other toxic effects: Skin Sensitization — Allergic skin reaction and  
Skin/Eye Irritation — Reversible damage

**Other hazards**  
**WHMIS** In Canada, the product mentioned above is not considered  
hazardous under the Workplace Hazardous Materials Information  
System (WHMIS).

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**3. COMPOSITION / INFORMATION ON INGREDIENTS**

**Substances** Material does not meet the criteria of a substance.

**Mixtures**

Chemical name	Identifiers	% weight	LD50/LC50	Comments
Potassium silicate	CAS 1312-76-1	10-40%	Oral LD50 > 5000 mg/kg (rat)	NDA
Lithium silicate	CAS 12627-14-4	3-30%	Oral LD50 > 5000 mg/kg (rat)	NDA
Potassium methyl silicate	CAS 31795-24-1	1-10%	Oral LD50: > 2000 mg/kg (rat)	NDA
Titanium dioxide	CAS 13463-67-7	<.1%	Oral, rat: LD50 > 10 g/kg	NDA

**Any concentration shown as a range is to protect confidentiality or is due to batch variation.**

**4. FIRST-AID MEASURES**

**Description of first-aid measures**

**Inhalation** If inhaled, remove to fresh air.

**Skin** In case of skin contact, wash affected areas with water and soap.

**Eye** In case of eye contact, rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.

**Ingestion** If swallowed, give a glass of water.

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**5 . FIRE FIGHTING MEASURES**

This product will not burn.

**Hazardous Combustion Products:** None known.

**6 . ACCIDENTAL RELEASE MEASURES**

**Personal Precautions:**

Wear gloves.

**Emergency procedures:**

In the event of a major spill, prevent spillage from entering drains or water courses.

**Environmental precautions:**

Avoid runoff to waterways and sewers.

**Containment/Clean-up Measures**

Collect the spilled material and place into a suitable container for disposal. Flush area with water.

**7 . HANDLING AND STORAGE**

**Precautions for safe handling**

Use of safe work practices are recommended to avoid eye or skin contact and inhalation of vapours.

**Conditions for safe storage, including any incompatibilities**

Store in a cool, dry and well ventilated area. Keep in original container tightly closed when not in use. Do not store in aluminum, fiberglass, copper, brass, zinc, or galvanized containers. Keep from freezing.

**8 . EXPOSURE CONTROLS/PERSONAL PROTECTION**

	ACGIH	Canada Ontario	Canada Quebec	NIOSH	OSHA
Titanium dioxide 13463-67-7	10 mg/m <sup>3</sup> TWA	10 mg/m <sup>3</sup>	10 mg/m <sup>3</sup>	5,000 mg/m <sup>3</sup>	15 mg/m <sup>3</sup> TWA

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### **Exposure Standards:**

The product does not contain any relevant quantities of materials with critical values that have to be monitored at the workplace.

### **Engineering Measures**

Distribution, Workplace and Household Settings: Ensure adequate ventilation

### **Personal Protective Equipment**

#### **Eye Protection**

Distribution, Workplace and Household Settings: No special protective equipment required

Product Manufacturing Plant (needed at Product-Producing Plant ONLY): Use appropriate eye protection

#### **Hand Protection**

Distribution, Workplace and Household Settings: For sensitive skin or prolonged use, wear gloves

Product Manufacturing Plant (needed at Product-Producing Plant ONLY): Protective gloves

#### **Skin and Body Protection**

Distribution, Workplace and Household Settings: No special protective equipment required

Product Manufacturing Plant (needed at Product-Producing Plant ONLY): Wear suitable protective clothing

#### **Respiratory Protection**

Distribution, Workplace and Household Settings: No special protective equipment required

Product Manufacturing Plant (needed at Product-Producing Plant ONLY): In case of insufficient ventilation wear suitable respiratory equipment

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## 9 . PHYSICAL AND CHEMICAL PROPERTIES

**Physical form:** Liquid

**Appearance/Description:** Slightly hazy liquid

**Colour:** Slightly hazy

**Odor:** Mild

**Odor threshold:** Not determined

**Taste:** Not relevant

**Particulate size:** Not determined

**Aerosol type:** Not relevant

### **General properties:**

**Initial Boiling Point/Boiling Range:** Not determined

**Melting point/Melting range:** Not determined

**Decomposition temperature:** Data lacking

**Heat of decomposition:** Data lacking

**pH-Value (1 g/l) :** 12.4

**Specific gravity:** Data lacking

**Relative density:** Data lacking

**Density:** Not determined

**Bulk density:** Not determined

**Water solubility:** Soluble

**Solvent solubility:** Data lacking

**Viscosity:** Not relevant

**Explosive properties:** Classification criteria not met

**Oxidizing properties:** Classification criteria not met

### **Volatility**

**Vapour Pressure:** Not applicable

**Vapor density:** Not applicable

**Evaporation Rate:** Not applicable

**VOC:** Not applicable

**Volatiles:** Data lacking

### **Flammability**

**Flash Point:** Not applicable

**UEL:** Not applicable

**LEL:** Not applicable

**Self-Accelerating Decomposition Temperature (SADT):** Data lacking

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**Heat of Combustion (ΔHc):** Not applicable

**Burning Time:** Not applicable

**Flame Duration:** Not applicable

**Flame height:** Not applicable

**Flame extension:** Not applicable

**Ignition distance:** Not applicable

**Flammability:** Not applicable.

**Environmental**

**Half-Life:** Data lacking

**Octanol/Water Partition:** Data lacking

**Coefficient of water/oil distribution:** Data lacking

**Bioaccumulation Factor:** Data lacking

**Bioconcentration Factor:** Data lacking

**Biochemical Oxygen Demand:** Data lacking

**Chemical Oxygen Demand:** Data lacking

**Persistence:** Data lacking

**Degradation:** Data lacking

**10 . STABILITY AND REACTIVITY**

**Reactivity**

No dangerous reaction known under conditions of normal use.

**Chemical stability**

Stable at ambient temperature and under normal conditions of use.

**Possibility of hazardous reactions**

Hazardous polymerisation will not occur.

**Conditions to avoid**

No further relevant information available.

**Incompatible materials**

None known

**11 . TOXICOLOGICAL INFORMATION**

**Information on toxicological effects**

Component name	CAS	Data
Potassium silicate	1312-76-1	Oral LD50 = 1300 mg/kg (rat)
Titanium dioxide	13463-67-7	Oral LD50 > 10 g/kg (rat)
Lithium silicate	12627-14-4	Oral LD50 > 5000mg/kg (rat)

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GHS Properties	Classification
Acute toxicity	Classification criteria not met
Aspiration hazard	Classification criteria not met
Carcinogenicity	No data available
Germ Cell Mutagenicity	No data available
Respiratory sensitization	No data available
Serious eye damage/Irritation	May cause eye irritation
Skin corrosion/Irritation	May cause skin irritation
Skin sensitization	May cause skin irritation
STOT-RE	No data available
STOT-SE	May cause respiratory irritation
Toxicity for Reproduction	No data available

**Route(s) of entry/exposure** Inhalation, Skin, Eye, Ingestion

**Potential Health Effects**

**Inhalation**

**Acute (Immediate)** May cause irritation.

**Chronic (Delayed)** No data available.

**Skin**

**Acute (Immediate)** May cause skin irritation.

**Chronic (Delayed)** No data available.

**Eye**

**Acute (Immediate)** May cause eye irritation.

**Chronic (Delayed)** No data available.

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**Ingestion**

**Acute (Immediate)** May cause gastrointestinal irritation, nausea, vomiting and diarrhea.  
**Chronic (Delayed)** No data available.

**12 . ECOLOGICAL INFORMATION**

**Toxicity** Material data lacking.  
**Persistence and degradability** Material data lacking.  
**Bioaccumulative potential** Material data lacking.  
**Mobility in Soil** Material data lacking.  
**Other adverse effects** No studies have been found.  
**Other Information** No data is available on the adverse effects of this material on the environment.

**13 . DISPOSAL CONSIDERATIONS**

**Waste treatment methods**

**Product waste** Dispose of content and/or container in accordance with local, regional, national, and/or international regulations.  
**Packaging waste** Dispose of content and/or container in accordance with local, regional, national, and/or international regulations.

**14 . TRANSPORT INFORMATION**

	14.1 UN Number	14.2 UN Proper Shipping Name	14.3 Transport hazard class(es)	14.4 Packing group	14.5 Environmental hazards
DOT	Not regulated	Not regulated	Not regulated	Not regulated	NDA
TDG	Not regulated	Not regulated	Not regulated	Not regulated	NDA
IMO/IMDG	Not regulated	Not regulated	Not regulated	Not regulated	NDA
IATA/ICAO	Not regulated	Not regulated	Not regulated	Not regulated	NDA

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**Special precautions for user**  
**Transport in bulk according**  
**to Annex II of MARPOL 73/78**  
**and the IBC Code**

None specified.  
 Product only provided in non-bulk containers.

**15 . REGULATORY INFORMATION**

**Safety, health and environmental regulations/legislation specific for the substance or mixture**

**State Right To Know**

Component	CAS	MA	NJ	PA	CA
Potassium silicate	1312-76-1	No	No	No	No
Titanium oxide (TiO <sub>2</sub> )	13463-67-7	No	Yes	Yes	Yes

Component	CAS	Canada DSL	Canada NDSL	TSCA
Potassium silicate	1312-76-1	Yes	No	Yes
Titanium oxide (TiO <sub>2</sub> )	13463-67-7	Yes	No	No

**Australian Inventory of Chemical Substances:**

Substance	CAS
Silicic acid, potassium salt	1312-76-1
Titanium oxide (TiO <sub>2</sub> )	13463-67-7

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### Details of international registration status

South Korea (Republic of Korea) ECL (Existing Chemicals List):

This product is listed in, or complies with, the substance inventory.

Japan ENCS (Handbook of Existing and New Chemical Substances):

This product is listed in, or complies with, the substance inventory.

Australia AICS (Australian Inventory of Chemical Substances):

This product is listed in, or complies with, the substance inventory.

People's Republic of China ECSC (Inventory of Existing Chemical Substances in China):

This product is listed in, or complies with, the substance inventory.

Canada DSL (Domestic Substance List):

This product is listed in, or complies with, the substance inventory.

Philippines PICCS (Philippine Inventory of Chemicals and Chemical Substances):

This product is listed in, or complies with, the substance inventory.

USA TSCA (Toxic Substance Control Act Chemical Substance Inventory):

This product is listed in, or complies with, the substance inventory.

European Economic Area (EEA) REACH (Regulation (EC))

General note: the registration obligations for substances imported into the EEA or manufactured within the EEA by the supplier mentioned in section 1 are fulfilled by the said supplier. The registration obligations for substances imported into the EEA by customers or other downstream users must be fulfilled by the latter.

### 16. OTHER INFORMATION

The information contained herein is believed to be accurate but is not warranted to be so. Data and calculations are based on information furnished by the manufacturer of the product and manufacturers of the components of the product. Users are advised to confirm in advance of need that information is current, applicable and suited to the circumstance of use. Vendor assumes no responsibility for injury to vendee or third persons proximately caused by the material if reasonable safety procedures are not adhered to as stipulated in the data sheet. Furthermore, vendor assumes no responsibility for injury caused by abnormal use of this material even if reasonable safety procedures are followed. Any questions regarding this product should be directed to the manufacturer of the product as described in Section 1.

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