



1 . IDENTIFICATION

Product Identifier: SMX 2250-5 MULTI-SURFACE CLEANER / DEGREASER / SANITIZER

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 Solutions LLC
Address	9180 Prairie Village Drive Kenosha, WI 53142 USA
Website	simixusa.com
Telephone	262-705-2585
Email	jeff@simixusa.com
Emergency number	262-705-2585

2 . HAZARDS IDENTIFICATION

Classification of the substance or mixture

OSHA HCS 2012 No impacts when used in accordance with instructions

Hazard statements No impacts when used in accordance with instructions

Precautionary statements P103 Read label before use.

Response No impacts when used in accordance with instructions

Storage/Disposal P501 Dispose of contents/container in accordance with local/ regional/national/international regulation

Canada

Classification of the substance or mixture

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



3. COMPOSITION / INFORMATION ON INGREDIENTS

Substances Material does not meet the criteria of a substance.

Mixtures

Chemical name	Identifiers	% weight	LD50/LC50	Comments
Sodium carbonate	CAS 497-19-8	10-40%	Inhalation, rat: 2.3mg/l; Oral, rat: LD50 = 4090 mg/kg	NDA
Sodium metasilicate (anhydrous)	CAS 6834-92-0	10-40%	Oral, rat: LD50 = 1152-1349 mg/kg bw Inhalation LC50 (rat) >2.06g/m ³ Dermal LD50 (rat)>5000mg/kg bw	NDA
Sodium percarbonate	CAS 15630-89-4	10-40%	Oral, mouse: LD50 = 2200 mg/kg	NDA
Titanium dioxide	CAS 13463-67-7	<.001%	Oral, rat: LD50 > 10 g/kg	NDA

Concentrations shown as a range to protect confidentiality or due to batch variation.

4. FIRST-AID MEASURES

Description of first-aid measures

Eye In case of eye contact with undiluted powder, rinse with water.

Ingestion If undiluted powder is swallowed, give a glass of water.

5 . FIRE FIGHTING MEASURES

Special hazards arising from the substance or mixture

Unusual Fire and Explosion Hazards

This material will not burn.

Hazardous Combustion Products: None known.



6 . ACCIDENTAL RELEASE MEASURES

Methods and Materials for Containment, Clean Up of Spill:

Use a broom and dust pan to scoop up powder. Throw in trash can.

7. HANDLING AND STORAGE

No special precautions needed. Keep container closed when not in use.

8 . EXPOSURE CONTROLS/PERSONAL PROTECTION

Eye Protection

Distribution, Workplace and Household Settings: No protective equipment required

Hand Protection

Distribution, Workplace and Household Settings: No protective equipment required

Skin and Body Protection

Distribution, Workplace and Household Settings: No protective equipment required

Respiratory Protection

Distribution, Workplace and Household Settings: No protective equipment required

9 . PHYSICAL AND CHEMICAL PROPERTIES

Physical form: Powder

Appearance/Description: White powder

Colour: White

Odor: Not determined

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- 13
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
Heat of Combustion (ΔH_c): Not applicable
Burning Time: Not applicable
Flame Duration: Not applicable
Flame height: Not applicable
Flame extension: Not applicable
Ignition distance: 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.

Incompatible materials

No known incompatible materials

Hazardous decomposition products

No hazardous decomposition products known.

11 . TOXICOLOGICAL INFORMATION

Information on toxicological effects

GHS Properties	Classification
Acute toxicity	No data available
Aspiration hazard	No data available
Carcinogenicity	No data available
Germ Cell Mutagenicity	No data available
Respiratory sensitization	No data available
Serious eye damage/Irritation	No data available
Skin corrosion/Irritation	Does not irritate skin.
Skin sensitization	Does not irritate skin.
STOT-SE	No data available
STOT-RE	No data available.
Toxicity for Reproduction	No data available



Route(s) of entry/exposure Inhalation, Skin, Eye, Ingestion
Potential Health Effects

Inhalation

Acute (Immediate) No evidence of long-term impacts.
Chronic (Delayed) No evidence of long-term impacts.

Skin

Acute (Immediate) No evidence of short-term skin irritation.
Chronic (Delayed) No evidence of long-term skin irritation.

Eye

Acute (Immediate) No evidence of short-term eye irritation.
Chronic (Delayed) No data available.

Ingestion

Acute (Immediate) No data available
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

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

None specified.
None specified.

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
Sodium carbonate	497-19-8	No	No	No	No
Sodium metasilicate (anhydrous)	6834-92-0	No	No	No	No
Sodium percarbonate	15630-89-4	No	No	No	No
Titanium dioxide (TiO ₂)	13463-67-7	No	Yes	Yes	Yes

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SAFETY DATA SHEET - SIMIX MULTI-SURFACE CLEANER / DEGREASER / SANITIZER

Component	CAS	Canada DSL	Canada NDSL	TSCA
Sodium carbonate	497-19-8	No	No	No
Sodium metasilicate (anhydrous)	6834-92-0	No	No	No
Sodium percarbonate	15630-89-4	No	No	No
Carbonic acid, monosodium salt	144-55-8	Yes	No	No
Alcohols, C10-14, ethoxylated	66455-15-0	Yes	No	No
Silicic acid, sodium salt	1344-09-8	Yes	No	No
Titanium dioxide (TiO ₂)	13463-67-7	Yes	No	No

Relevant information about individual substance inventories, where available, is given below.

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.

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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.