1. IDENTIFICATION

Product Identifier: MAXXCLEAN MULTI-SURFACE CLEANER AND 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

Oxidizing solid 2 - H272 May intensify fire; oxidizer
Eye 1 - H315 Causes eye irritation
Acute Toxicity 4 - H302 Harmful if swallowed
Skin Irritation 2 - H317 May cause an allergic skin reaction
STOT SE 3 - H335 May cause respiratory irritation.

Label Elements

OSHA HCS 2012

WARNING

Hazard statements

H272 May intensify fire; oxidizer
H302 Harmful if swallowed.
H315 Causes eye irritation
H317 May cause allergic skin reaction

Precautionary statements

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

PRODUCT IDENTIFIER: MAXXCLEAN MULTI-SURFACE CLEANER AND SANITIZER
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REVISION DATE: 12-12-2016
SAFETY DATA SHEET

Prevention
P210 Keep from heat, sparks, open flame, hot surfaces.
P235 Keep cool
P242 Use only non-sparking tools
P261 Avoid breathing dust, fumes, gas, mist, vapors and/or spray

Response
P370+P378 In case of fire, use appropriate media for extinction
P312 Call a doctor or POISON CENTER if you feel unwell.
P304+P340 IF INHALED: Remove victim to fresh air and place in comfortable position for breathing.
P332+P313 If skin irritation occurs, get medical advice/attention.

Storage/Disposal
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 considered hazardous

Canada
According to WHMIS
Classification of the substance or mixture
WHMIS D2B Other toxic effects

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 considered hazardous under the Workplace Hazardous Materials Information System (WHMIS).

PRODUCT IDENTIFIER: MAXXCLEAN MULTI-SURFACE CLEANER AND SANITIZER
VERSION #1
DATE: 11-18-2015
REVISION DATE: 12-12-2016
### 3. COMPOSITION / INFORMATION ON INGREDIENTS

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

**Mixtures**  

<table>
<thead>
<tr>
<th>Chemical name</th>
<th>Identifiers</th>
<th>% weight</th>
<th>LD50/LC50</th>
<th>Classifications According to Regulation/Directive</th>
<th>Comments</th>
</tr>
</thead>
<tbody>
<tr>
<td>Sodium carbonate</td>
<td>CAS 497-19-8</td>
<td>10-40%</td>
<td>Inhalation, rat: 2.3mg/l; Oral, rat: LD50 = 4090 mg/kg</td>
<td>OSHA HCS 2012: Eye irritation 2, H319</td>
<td>NDA</td>
</tr>
</tbody>
</table>
| Sodium metasilicate (anhydrous)| CAS 6834-92-0 | 10-40%   | Oral, rat: LD50 = 1152-1349 mg/kg bw  
Inhalation LC50 (rat) >2.06g/m³  
Dermal LD50 (rat) >5000mg/kg bw | OSHA HCS 2012: Skin corrosion 1B, H314; Eye damage 1, H335; STOT SE 3, H290; Metal corrosion 1 | NDA      |
| Sodium percarbonate            | CAS 15630-89-4 | 10-30%   | Oral, mouse: LD50 = 2200 mg/kg | OSHA HCS 2012: Ox. Liq. 2, H272; Acute Tox. 3, H301; Eye Dam. 1, H318; Skin Irrit. 2, H315 | NDA      |
| Titanium dioxide               | CAS 13463-67-7 | <.1%     | Oral, rat: LD50 > 10 g/kg | OSHA HCS 2012: Skin Irrit. 2, H317 | NDA      |

Any concentration shown as a range is to protect confidentiality or is due to batch variation. There are no additional ingredients present which, with the current knowledge of the supplier and in the concentrations applicable, are classified as hazardous to the health or to the environment, and hence require reporting in this section.
4. FIRST-AID MEASURES
Description of first-aid measures

Inhalation  If inhaled, remove to fresh air. If not breathing, give artificial respiration. If breathing is difficult, give oxygen. Seek medical attention if breathing problems develop.

Skin  In case of skin irritation, remove contaminated clothing and wash affected areas with water. Seek medical attention if symptoms occur.

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

Ingestion  If swallowed, do not induce vomiting. Give a glass of water. Do not give anything by mouth to an unconscious person. Seek immediate medical attention.

Most important symptoms and effects, both acute and delayed
Refer to Section 11 - Toxicological Information.

Indication of any immediate medical attention and special treatment needed
Notes to Physician: All treatments should be based on observed signs and symptoms of distress in the patient. Consideration should be given to the possibility that overexposure to materials other than this product may have occurred.

5. FIRE FIGHTING MEASURES

Suitable Extinguishing Media: Carbon dioxide, dry chemical, foam and water fog.

Unsuitable Extinguishing Media: Avoid the use of streaming water, as this may spread the fire.

Special hazards arising from the substance or mixture
Unusual Fire and Explosion Hazards
This material will not burn, but decomposition will release oxygen which will increase the explosive limits and burning rate of flammable vapours.

Hazardous Combustion Products: None known.

Special Protective Equipment and Precautions for Firefighters: When fighting a major fire wear self-contained breathing apparatus and protective equipment.
6. ACCIDENTAL RELEASE MEASURES

Personal Precautions:
Wear approved dust/particulate filter respirator and full protective clothing. Evacuate all nonessential personnel from affected area. Do not breathe dust. Ensure adequate ventilation.

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.

Methods and Materials for Containment and Cleaning Up:

Containment/Clean-up Measures
Stop leak if safe to do so and absorb spill with sand, earth, vermiculite or some other absorbent material. Collect the spilled material and place into a suitable container for disposal. Use only non-sparking tools. Use vacuum equipment with HEPA filters or wet sweeping/dust suppressant if sweeping is required. Avoid dust generation. Flush area with water.

7. HANDLING AND STORAGE

Precautions for safe handling
Use of safe work practices are recommended to avoid eye contact and inhalation of dust.
Food, beverages and tobacco products should not be stored or consumed where this material is in use.
Always wash hands before smoking, eating, drinking or using the toilet.
Wash contaminated clothing and other protective equipment before storage or re-use.
Provide eyewash fountains and safety showers in close proximity to points of potential exposure.

Conditions for safe storage, including any incompatibilities

Storage
Store in a cool, dry and well ventilated area. Keep in original container tightly closed when not in use. Protect from heat, sparks, open flames and other sources of ignition.

Incompatible Materials or Ignition Sources
Keep away from strong oxidizing and reducing agents and acids.
8. EXPOSURE CONTROLS/PERSONAL PROTECTION

Exposure guidelines:

<table>
<thead>
<tr>
<th>Substance</th>
<th>ACGIH</th>
<th>Canada Ontario</th>
<th>Canada Quebec</th>
<th>NIOSH</th>
<th>OSHA</th>
</tr>
</thead>
<tbody>
<tr>
<td>Titanium dioxide 13463-67-7</td>
<td>10 mg/m³ TWA</td>
<td>10 mg/m³</td>
<td>10 mg/m³</td>
<td>5,000 mg/m³</td>
<td>15 mg/m³ TWA</td>
</tr>
<tr>
<td>Sodium carbonate 497-19-8</td>
<td>not established</td>
<td>not listed</td>
<td>not listed</td>
<td>none listed</td>
<td>none listed</td>
</tr>
<tr>
<td>Sodium metasilicate (anhydrous) 6834-92-0</td>
<td>none listed</td>
<td>not listed</td>
<td>not listed</td>
<td>none listed</td>
<td>Recommended by analogy with sodium hydroxide: 2 mg/m³</td>
</tr>
<tr>
<td>Sodium percarbonate 15630-89-4</td>
<td>not established</td>
<td>not established</td>
<td>not established</td>
<td>not established</td>
<td>not listed</td>
</tr>
</tbody>
</table>

Exposure Controls

Engineering Measures

Distribution, Workplace and Household Settings: Ensure adequate ventilation

Product Manufacturing Plant (needed at Product-Producing Plant ONLY): Where reasonably practicable this should be achieved by the use of local exhaust ventilation and good general extraction.
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
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

Volatile
Vapour Pressure: Not applicable
Vapor density: Not applicable
Evaporation Rate: Not applicable
VOC: Not applicable
Volatile: Data lacking

Flammability
Flash Point: Not applicable
UEL: Not applicable
LEL: Not applicable
Self-Accelerating Decomposition Temperature (SADT): Data lacking
**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:** Contact with combustible material may cause fire.

**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
Heat, sparks, open flames and other sources of ignition.

Incompatible materials
Strong oxidizing and reducing agents and strong acids.

Hazardous decomposition products
No hazardous decomposition products known.

11. TOXICOLOGICAL INFORMATION

Information on toxicological effects

<table>
<thead>
<tr>
<th>Component name</th>
<th>CAS</th>
<th>Data</th>
</tr>
</thead>
<tbody>
<tr>
<td>Sodium carbonate</td>
<td>497-19-8</td>
<td>Oral LD50 = 4090 mg/kg (rat) Inhalation LC50 = 2.3 mg/l (rat)</td>
</tr>
<tr>
<td>Sodium metasilicate (anhydrous)</td>
<td>6834-92-0</td>
<td>Oral, rat: LD50 = 1152-1349 mg/kg bw Inhalation LC50 (rat) &gt;2.06g/m³</td>
</tr>
<tr>
<td></td>
<td></td>
<td>Dermal LD50 (rat)&gt;5000mg/kg bw</td>
</tr>
<tr>
<td>Sodium percarbonate</td>
<td>15630-89-4</td>
<td>Oral, mouse: LD50 = 2200 mg/kg</td>
</tr>
<tr>
<td>Titanium dioxide</td>
<td>13463-67-7</td>
<td>Oral, rat: LD50 &gt; 10 g/kg</td>
</tr>
</tbody>
</table>

GHS Properties

<table>
<thead>
<tr>
<th></th>
<th>Classification</th>
</tr>
</thead>
<tbody>
<tr>
<td>Acute toxicity</td>
<td>No data available</td>
</tr>
<tr>
<td>Aspiration hazard</td>
<td>Harmful if swallowed.</td>
</tr>
<tr>
<td>Carcinogenicity</td>
<td>No data available</td>
</tr>
<tr>
<td>Germ Cell Mutagenicity</td>
<td>No data available</td>
</tr>
<tr>
<td>Respiratory sensitization</td>
<td>May cause respiratory irritation.</td>
</tr>
</tbody>
</table>
Serious eye damage/Irritation Causes eye irritation.

Skin corrosion/Irritation May cause an allergic skin reaction.

Skin sensitization May cause an allergic skin reaction.

STOT-SE May cause respiratory irritation.

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) Breathing dust may irritate the nose and throat and cause coughing and chest discomfort.

Chronic (Delayed) May cause delayed lung damage.

**Skin**

Acute (Immediate) May cause skin irritation.

Chronic (Delayed) Repeated and prolonged exposure may cause dermatitis.

**Eye**

Acute (Immediate) Dust will irritate the eyes and may damage the eyes.

Chronic (Delayed) No data available.

**Ingestion**

Acute (Immediate) Irritating to mouth, throat and stomach. Harmful if swallowed. May cause discomfort, 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

<table>
<thead>
<tr>
<th>14.1 UN Number</th>
<th>14.2 UN Proper Shipping Name</th>
<th>14.3 Transport hazard class(es)</th>
<th>14.4 Packing group</th>
<th>14.5 Environmental hazards</th>
</tr>
</thead>
<tbody>
<tr>
<td>DOT</td>
<td>Not regulated</td>
<td>Not regulated</td>
<td>Not regulated</td>
<td>Not regulated</td>
</tr>
<tr>
<td>TDG</td>
<td>Not regulated</td>
<td>Not regulated</td>
<td>Not regulated</td>
<td>Not regulated</td>
</tr>
<tr>
<td>IMO/IMDG</td>
<td>Not regulated</td>
<td>Not regulated</td>
<td>Not regulated</td>
<td>Not regulated</td>
</tr>
<tr>
<td>IATA/ICAO</td>
<td>Not regulated</td>
<td>Not regulated</td>
<td>Not regulated</td>
<td>Not regulated</td>
</tr>
</tbody>
</table>

Special precautions for user None specified.
Transport in bulk according to Annex II of MARPOL 73/78 Product only provided in non-bulk containers.

and the IBC Code

15 . REGULATORY INFORMATION
PRODUCT IDENTIFIER: MAXXCLEAN MULTI-SURFACE CLEANER AND SANITIZER
VERSION #1
DATE: 11-18-2015
REVISION DATE: 12-12-2016
Safety, health and environmental regulations/legislation specific for the substance or mixture

State Right To Know

<table>
<thead>
<tr>
<th>Component</th>
<th>CAS</th>
<th>MA</th>
<th>NJ</th>
<th>PA</th>
<th>CA</th>
</tr>
</thead>
<tbody>
<tr>
<td>Sodium carbonate</td>
<td>497-19-8</td>
<td>No</td>
<td>No</td>
<td>No</td>
<td>No</td>
</tr>
<tr>
<td>Sodium metasilicate (anhydrous)</td>
<td>6834-92-0</td>
<td>No</td>
<td>No</td>
<td>No</td>
<td>No</td>
</tr>
<tr>
<td>Disodium carbonate, compound with hydrogen peroxide (2:3)</td>
<td>15630-89-4</td>
<td>No</td>
<td>No</td>
<td>No</td>
<td>No</td>
</tr>
<tr>
<td>Sodium percarbonate</td>
<td>15630-89-4</td>
<td>No</td>
<td>No</td>
<td>No</td>
<td>No</td>
</tr>
<tr>
<td>Carbonic acid, monosodium salt</td>
<td>144-55-8</td>
<td>No</td>
<td>No</td>
<td>No</td>
<td>No</td>
</tr>
<tr>
<td>Alcohols, C10-14, ethoxylated</td>
<td>66455-15-0</td>
<td>No</td>
<td>Yes</td>
<td>No</td>
<td>No</td>
</tr>
<tr>
<td>Silicic acid, sodium salt</td>
<td>1344-09-8</td>
<td>No</td>
<td>No</td>
<td>No</td>
<td>No</td>
</tr>
<tr>
<td>Titanium oxide (TiO2)</td>
<td>13463-67-7</td>
<td>No</td>
<td>Yes</td>
<td>Yes</td>
<td>Yes</td>
</tr>
<tr>
<td>Component</td>
<td>CAS</td>
<td>Canada DSL</td>
<td>Canada NDSL</td>
<td>TSCA</td>
<td></td>
</tr>
<tr>
<td>-----------</td>
<td>------------</td>
<td>------------</td>
<td>-------------</td>
<td>------</td>
<td></td>
</tr>
<tr>
<td>Disodium carbonate, compound with hydrogen peroxide (2:3)</td>
<td>15630-89-4</td>
<td>Yes</td>
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<td>No</td>
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<td>No</td>
<td>No</td>
<td>No</td>
<td></td>
</tr>
<tr>
<td>Sodium percarbonate</td>
<td>15630-89-4</td>
<td>No</td>
<td>No</td>
<td>No</td>
<td></td>
</tr>
<tr>
<td>Carbonic acid, monosodium salt</td>
<td>144-55-8</td>
<td>Yes</td>
<td>No</td>
<td>No</td>
<td></td>
</tr>
<tr>
<td>Alcohols, C10-14, ethoxylated</td>
<td>66455-15-0</td>
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<td>No</td>
<td></td>
</tr>
<tr>
<td>Silicic acid, sodium salt</td>
<td>1344-09-8</td>
<td>Yes</td>
<td>No</td>
<td>No</td>
<td></td>
</tr>
<tr>
<td>Titanium oxide (TiO2)</td>
<td>13463-67-7</td>
<td>Yes</td>
<td>No</td>
<td>No</td>
<td></td>
</tr>
</tbody>
</table>
### Australian Inventory of Chemical Substances:

<table>
<thead>
<tr>
<th>Substance</th>
<th>CAS</th>
</tr>
</thead>
<tbody>
<tr>
<td>Sodium carbonate</td>
<td>497-19-8</td>
</tr>
<tr>
<td>Disodium carbonate, compound with hydrogen peroxide (2:3)</td>
<td>15630-89-4</td>
</tr>
<tr>
<td>Carbonic acid, monosodium salt</td>
<td>144-55-8</td>
</tr>
<tr>
<td>Alcohols, C10-14, ethoxylated</td>
<td>66455-15-0</td>
</tr>
<tr>
<td>Sodium metasilicate (anhydrous)</td>
<td>6834-92-0</td>
</tr>
<tr>
<td>Silicic acid, sodium salt</td>
<td>1344-09-8</td>
</tr>
<tr>
<td>Sodium chloride</td>
<td>7647-14-5</td>
</tr>
<tr>
<td>Ethanol</td>
<td>64-17-5</td>
</tr>
<tr>
<td>Titanium oxide (TiO2)</td>
<td>13463-67-7</td>
</tr>
<tr>
<td>Sulfuric acid</td>
<td>7664-93-9</td>
</tr>
<tr>
<td>Glutaral</td>
<td>111-30-8</td>
</tr>
<tr>
<td>Methanol</td>
<td>67-56-1</td>
</tr>
</tbody>
</table>

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.

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.