

Issue Date 14-May-2012

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Version 1.2

## 1. IDENTIFICATION

**Product Identifier**

**Product Name** Maxim Super San Plus Sanitizer

**Other Means of Identification**

**Product Code** 359500

**Recommended use of the Chemical and Restrictions on Use**

**Recommended Use** Sanitizing Concentrate. For industrial & institutional use.

**Details of the Supplier of the Safety Data Sheet**

Midlab, Inc.  
140 Private Brand Way  
Athens, TN 37303

**Emergency Telephone Number**

**Company Phone Number** Phone: 1-423-337-3180  
**Emergency Telephone (24 hr)** INFOTRAC 1-352-323-3500 (International)  
1-800-535-5053 (North America)

## 2. HAZARDS IDENTIFICATION

**Appearance** Straw

**Physical State** Liquid

**Odor** Chlorine

**Classification**

|                                   |                           |
|-----------------------------------|---------------------------|
| Skin corrosion/irritation         | Category 1 Sub-category B |
| Serious eye damage/eye irritation | Category 1                |

**Signal Word**

**Danger**

**Hazard Statements**

Causes severe skin burns and eye damage.



**Precautionary Statements - Prevention**

Do not breathe dust/fume/gas/mist/vapors/spray.  
Wash face, hands and any exposed skin thoroughly after handling.  
Wear protective gloves/protective clothing/eye protection/face protection.

**Precautionary Statements - Response**

IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. Immediately call a POISON CENTER or doctor/physician.  
IF ON SKIN (or hair): Remove/Take off immediately all contaminated clothing. Rinse skin with water/shower. Wash contaminated clothing before reuse.  
IF INHALED: Remove victim to fresh air and keep at rest in a position comfortable for breathing. Immediately call a POISON CENTER or doctor/physician.  
IF SWALLOWED: Immediately call a POISON CENTER or doctor/physician. Rinse mouth. Do NOT induce vomiting.  
SPECIFIC TREATMENT: Remove from exposure and treat symptoms.

**Precautionary Statements - Storage**

Store locked up.

**Precautionary Statements - Disposal**

Dispose of contents/container to an approved waste disposal plant.

**Other Hazards**

Very toxic to aquatic life with long lasting effects.  
Very toxic to aquatic life.

**3. COMPOSITION/INFORMATION ON INGREDIENTS**

| Chemical Name       | CAS No    | Weight-% |
|---------------------|-----------|----------|
| Sodium Hypochlorite | 7681-52-9 | 10       |

\*\*If Chemical Name/CAS No is "proprietary" and/or Weight-% is listed as a range, the specific chemical identity and/or percentage of composition has been withheld as a trade secret\*\*

**4. FIRST-AID MEASURES****First Aid Measures**

|                       |  |
|-----------------------|--|
| <b>General Advice</b> | Immediately call a POISON CENTER or doctor/physician.  |
| <b>Eye Contact</b>    | IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. Immediately call a POISON CENTER or doctor/physician. Contact lenses should be discarded. |
| <b>Skin Contact</b>   | IF ON SKIN (or hair): Remove/Take off immediately all contaminated clothing. Rinse skin with water/shower. Wash contaminated clothing before reuse.  |
| <b>Inhalation</b>     | IF INHALED: Remove victim to fresh air and keep at rest in a position comfortable for breathing. Call a physician or poison control center immediately.  |
| <b>Ingestion</b>      | IF SWALLOWED: call a poison control center or physician immediately. Never give anything by mouth to an unconscious person. Rinse mouth. Drink plenty of water. Do not induce vomiting.                                    |

**Most Important Symptoms and Effects**

|                 |  |
|-----------------|--|
| <b>Symptoms</b> | Causes severe skin burns and eye damage. |
|-----------------|--|

**Indication of any Immediate Medical Attention and Special Treatment Needed**

|                           |  |
|---------------------------|--|
| <b>Notes to Physician</b> | May aggravate pre-existing skin disorders. Any lung condition may be aggravated. |
|---------------------------|--|

**5. FIRE-FIGHTING MEASURES****Suitable Extinguishing Media**

Water spray (fog). Carbon dioxide (CO<sub>2</sub>). Dry chemical. Foam.

**Unsuitable Extinguishing Media**

Not determined.

**Specific Hazards Arising from the Chemical**

Product is not flammable.

**Hazardous Combustion Products**

Normal products of combustion.

**Protective Equipment and Precautions for Firefighters**

As in any fire, wear self-contained breathing apparatus pressure-demand, MSHA/NIOSH (approved or equivalent) and full protective gear.

**6. ACCIDENTAL RELEASE MEASURES****Personal Precautions, Protective Equipment and Emergency Procedures**

|                             |   |
|-----------------------------|---|
| <b>Personal Precautions</b> | Use personal protection recommended in Section 8. |
|-----------------------------|---|

**Environmental Precautions** Prevent from entering into soil, ditches, sewers, waterways and/or groundwater. See Section 12, Ecological Information. See Section 13, Disposal Considerations, for additional information.

**Methods and Material for Containment and Cleaning Up**

**Methods for Containment** Prevent further leakage or spillage if safe to do so. For large spills, dike far ahead of liquid spill for later disposal.

**Methods for Clean-Up** Contain and collect with an inert absorbent and place into an appropriate container for disposal.

**7. HANDLING AND STORAGE**

**Precautions for Safe Handling**

**Advice on Safe Handling** Handle in accordance with good industrial hygiene and safety practice. Avoid contact with skin and eyes. Use personal protection recommended in Section 8. Wash face, hands, and any exposed skin thoroughly after handling. Do not breathe dust/fume/gas/mist/vapors/spray. Use only outdoors or in a well-ventilated area. For Industrial or professional use only.

**Conditions for Safe Storage, including any Incompatibilities**

**Storage Conditions** Keep container tightly closed and store in a cool, dry, and well-ventilated place. Store locked up. Protect from excessive heat. Keep from freezing. Keep out of the reach of children.

**Incompatible Materials** Acids. Oxidizing agents. Iron. Rust. Copper. Cobalt. Nickel. Urea. Nitrogen compounds. Organic materials.

**8. EXPOSURE CONTROLS/PERSONAL PROTECTION**

**Exposure Guidelines** This product, as supplied, does not contain any hazardous materials with occupational exposure limits established by the region-specific regulatory bodies

**Appropriate Engineering Controls**

**Engineering Controls** Ensure adequate ventilation, especially in confined areas.

**Individual Protection Measures, such as Personal Protective Equipment**

**Eye/Face Protection** Wear goggles or chemical safety glasses. For Industrial or professional use only.

**Skin and Body Protection** Wear chemical-resistant gloves, footwear, and protective clothing appropriate for the risk of exposure.

**Respiratory Protection** Avoid breathing vapors. No respiratory protection is necessary during normal use conditions.

**General Hygiene Considerations** Wash contaminated clothing before reuse. Wash face, hands, and any exposed skin thoroughly after handling.

**9. PHYSICAL AND CHEMICAL PROPERTIES**

**Information on Basic Physical and Chemical Properties**

|                       |        |                       |                |
|-----------------------|--------|-----------------------|----------------|
| <b>Physical State</b> | Liquid | <b>Odor</b>           | Chlorine       |
| <b>Appearance</b>     | Clear  | <b>Odor Threshold</b> | Not determined |
| <b>Color</b>          | Straw  |                       |                |

|                        |                      |                                |
|------------------------|----------------------|--------------------------------|
| <b><u>Property</u></b> | <b><u>Values</u></b> | <b><u>Remarks • Method</u></b> |
|------------------------|----------------------|--------------------------------|

|                                     |                       |                 |
|-------------------------------------|-----------------------|-----------------|
| <b>pH</b>                           | 12.5-13.0             |                 |
| <b>Melting Point/Freezing Point</b> | ~ 0 °C / 32 °F        |                 |
| <b>Boiling Point/Boiling Range</b>  | ~ 100 °C / 212 °F     |                 |
| <b>Flash Point</b>                  | None                  | Tag Closed Cup  |
| <b>Evaporation Rate</b>             | Not determined        |                 |
| <b>Flammability (Solid, Gas)</b>    | Liquid-not applicable |                 |
| <b>Upper Flammability Limits</b>    | Not determined        |                 |
| <b>Lower Flammability Limit</b>     | Not determined        |                 |
| <b>Vapor Pressure</b>               | Not determined        |                 |
| <b>Vapor Density</b>                | Not determined        |                 |
| <b>Specific Gravity</b>             | 1.18                  |                 |
| <b>Water Solubility</b>             | Completely soluble    | @ 25 °C (77 °F) |
| <b>Solubility in other solvents</b> | Not determined        |                 |
| <b>Partition Coefficient</b>        | Not determined        |                 |
| <b>Autoignition Temperature</b>     | Not determined        |                 |
| <b>Decomposition Temperature</b>    | Not determined        |                 |
| <b>Kinematic Viscosity</b>          | Not determined        |                 |
| <b>Dynamic Viscosity</b>            | Not determined        |                 |
| <b>Explosive Properties</b>         | None known            |                 |
| <b>Oxidizing Properties</b>         | Not determined        |                 |

## 10. STABILITY AND REACTIVITY

### Reactivity

Not reactive under normal conditions.

### Chemical Stability

Stable under recommended storage conditions.

### Possibility of Hazardous Reactions

None under normal processing.

### Hazardous Polymerization

Hazardous polymerization does not occur.

### Conditions to Avoid

Keep from freezing. Excessive heat. Reacts with incompatible materials.

### Incompatible Materials

Acids. Oxidizing agents. Iron. Rust. Copper. Cobalt. Nickel. Urea. Nitrogen compounds. Organic materials.

### Hazardous Decomposition Products

When exposed to fire, produces normal products of combustion. Oxygen when exposed to copper, nickel, cobalt, iron, or iron compounds. Chlorine gas when exposed to acid.

## 11. TOXICOLOGICAL INFORMATION

### Information on Likely Routes of Exposure

#### Product Information

|                     |                                  |
|---------------------|----------------------------------|
| <b>Eye Contact</b>  | Causes severe eye damage.        |
| <b>Skin Contact</b> | Causes severe skin burns.        |
| <b>Inhalation</b>   | Avoid breathing vapors or mists. |
| <b>Ingestion</b>    | Do not taste or swallow.         |

### Component Information

| Chemical Name                    | Oral LD50          | Dermal LD50            | Inhalation LC50 |
|----------------------------------|--------------------|------------------------|-----------------|
| Sodium Hypochlorite<br>7681-52-9 | = 8200 mg/kg (Rat) | > 10000 mg/kg (Rabbit) | -               |

**Information on Physical, Chemical and Toxicological Effects**

**Symptoms** Please see section 4 of this SDS for symptoms.

**Delayed and Immediate Effects as well as Chronic Effects from Short and Long-Term Exposure**

**Carcinogenicity** The table below indicates whether each agency has listed any ingredient as a carcinogen. However, the product as a whole has not been tested.

| Chemical Name                    | ACGIH | IARC    | NTP | OSHA |
|----------------------------------|-------|---------|-----|------|
| Sodium Hypochlorite<br>7681-52-9 |       | Group 3 |     |      |

*IARC (International Agency for Research on Cancer)  
Group 3 IARC components are "not classifiable as human carcinogens"*

**Chronic Toxicity** Chronic exposure may cause liver, kidney and/or blood disorders.

**Numerical Measures of Toxicity**

Not determined

**12. ECOLOGICAL INFORMATION**

**Ecotoxicity**

Very toxic to aquatic life with long lasting effects.

**Component Information**

| Chemical Name                    | Algae/aquatic plants                                | Fish  | Toxicity to microorganisms | Crustacea  |
|----------------------------------|---|---|----------------------------|--|
| Sodium Hypochlorite<br>7681-52-9 | 0.095: 24 h<br>Skeletonema<br>costatum mg/L<br>EC50 | 0.06 - 0.11: 96 h Pimephales promelas mg/L LC50 flow-through 4.5 - 7.6: 96 h Pimephales promelas mg/L LC50 static 0.4 - 0.8: 96 h Lepomis macrochirus mg/L LC50 static 0.28 - 1: 96 h Lepomis macrochirus mg/L LC50 flow-through 0.05 - 0.771: 96 h Oncorhynchus mykiss mg/L LC50 flow-through 0.03 - 0.19: 96 h Oncorhynchus mykiss mg/L LC50 semi-static 0.18 - 0.22: 96 h Oncorhynchus mykiss mg/L LC50 static | -                          | 2.1: 96 h Daphnia magna mg/L EC50 0.033 - 0.044: 48 h Daphnia magna mg/L EC50 Static |

**Persistence/Degradability**

Not determined

**Bioaccumulation**

Not determined

**Mobility**

Not considered mobile.

**Other Adverse Effects**

Not determined.

**13. DISPOSAL CONSIDERATIONS**

**Waste Treatment Methods**

**Disposal of Wastes** Disposal should be in accordance with applicable regional, national, and local laws and regulations.

**Contaminated Packaging** Disposal should be in accordance with applicable regional, national, and local laws and regulations.

**14. TRANSPORT INFORMATION**

**Note**

Please see current shipping paper for most up to date shipping information, including exemptions and special circumstances.

**DOT**

UN1791, Hypochlorite Solutions (Containing 10% Sodium Hypochlorite), 8, PG III

**IATA**

**IMDG**

**15. REGULATORY INFORMATION**

**International Inventories**

Canada – Domestic Substances List (DSL)  
 TSCA (Toxic Substances Control Act)

All ingredients are listed or exempt.  
 All ingredients are listed or exempt.

**Legend:**

*TSCA - United States Toxic Substances Control Act Section 8(b) Inventory*  
*DSL/NDSL - Canadian Domestic Substances List/Non-Domestic Substances List*

**US Federal Regulations**

**CERCLA**

| Chemical Name                    | Hazardous Substances RQs | CERCLA/SARA RQ | Reportable Quantity (RQ)                  |
|----------------------------------|--------------------------|----------------|---|
| Sodium Hypochlorite<br>7681-52-9 | 100 lb                   |                | RQ 100 lb final RQ<br>RQ 45.4 kg final RQ |

**SARA 311/312 Hazard Categories**

Acute Health Hazard Yes  
 Chronic Health Hazard Yes  
 Reactive Hazard Yes

**SARA 313**

Section 313 of Title III of the Superfund Amendments and Reauthorization Act of 1986 (SARA). This product does not contain any chemicals which are subject to the reporting requirements of the Act and Title 40 of the Code of Federal Regulations, Part 372

**CWA (Clean Water Act)**

| Component                        | CWA - Reportable Quantities | CWA - Toxic Pollutants | CWA - Priority Pollutants | CWA - Hazardous Substances |
|----------------------------------|-----------------------------|------------------------|---------------------------|----------------------------|
| Sodium Hypochlorite<br>7681-52-9 | 100 lb                      |                        |                           | X                          |

**US State Regulations**

**California Proposition 65**

This product does not contain any Proposition 65 chemicals.

**U.S. State Right-to-Know Regulations**

| Chemical Name                    | State List |
|----------------------------------|------------|
| Sodium Hypochlorite<br>7681-52-9 | MA, NJ, PA |

AZ – Arizona Ambient Air Quality Guidelines  
 CT – Connecticut Hazardous Air Pollutants  
 CA – California Director’s List of Hazardous Substances  
 CAP65 – California Prop 65  
 FL – Florida Substances List  
 ID – Idaho Non-Carcinogen Toxic Air Pollutants

IL – Illinois Toxic Air Contaminate- Carcinogenic  
 MA – Massachusetts Right to Know List  
 MN – Minnesota Hazardous Substances List  
 NJ – New Jersey Right to Know List  
 PA – Pennsylvania Right to Know List  
 RI – Rhode Island Hazardous Substances List

**FIFRA Label Information:**  
 This chemical is a pesticide product registered by the United States Environmental Agency and is subject to certain labeling requirements under federal pesticide law. These requirements differ from the classification criteria and hazard information required for safety data sheets (SDS), and for workplace labels of non-pesticide chemicals. The pesticide label also includes other important information, including directions for use.

Danger  
 Corrosive  
 Causes irreversible eye damage and skin irritation or burns.  
 Harmful if swallowed, inhaled, or absorbed through the skin.

Strong oxidizing agent.

This product is toxic to fish and aquatic invertebrates.

**16. OTHER INFORMATION**

|                              |                       |                     |                         |                            |
|------------------------------|-----------------------|---------------------|-------------------------|----------------------------|
| <u><b>NFPA</b></u>           | <b>Health Hazards</b> | <b>Flammability</b> | <b>Instability</b>      | <b>Special Hazards</b>     |
|                              | Not determined        | Not determined      | Not determined          | Not determined             |
| <u><b>HMIS</b></u>           | <b>Health Hazards</b> | <b>Flammability</b> | <b>Physical Hazards</b> | <b>Personal Protection</b> |
|                              | 3                     | 0                   | 2                       | Glasses, gloves            |
| <b>Issue Date</b>            | 14-May-2012           |                     |                         |                            |
| <b>Revision/Review Date:</b> | 9-Jan-2024            |                     |                         |                            |
| <b>Revision Note</b>         | Version 1.2           |                     |                         |                            |

**Disclaimer**  
 The information provided in this Safety Data Sheet is correct to the best of our knowledge, information, and belief at the date of its publication. The information given is designed only as a guidance for safe handling, use, processing, storage, transportation, disposal, and release and is not to be considered a warranty or quality specification. The information relates only to the specific material designated and may not be valid for such material used in combination with any other materials or in any process, unless specified in the text.

**Keep Out of Reach of Children. For Industrial and Institutional Use Only.**

\*Denotes changes from last version.

**End of Safety Data Sheet**