SAFETY DATA SHEET

This SDS Complies With 29 CFR 1910.1200 (The Hazard Communication Standard)

Section I - Product & Company Identification

Product identifier
Product name: MILDEW REMOVER
Product form: Liquid
Other means of identification: LB055

Relevant identified uses of the substance or mixture: Bleach enhanced cleaner

Details of the supplier of the safety data sheet
Manufacturer:
Diversified Chemical Products, Inc. 4124 B NW Riverside Street, Riverside, MO 64150
Phone: 816-472-5515
Emergency telephone number
Emergency number: CHEMTREC: 1-800-424-9300

Section II – Hazards Identification

Classification
Corrosive to metals - Category 1
Serious eye damage/Eye Irritation - Category 1
Skin corrosion/irritation - Category 1
Specific target organ toxicity - single exposure (Category 3), Respiratory tract irritation.
Acute aquatic toxicity – Category 1
Chronic aquatic toxicity – Category 2

Pictogram

Signal Word
Danger

Hazard Statements
May be corrosive to metals.
Causes severe skin burns and eye damage.
May cause respiratory irritation.
Toxic to aquatic life with long lasting effects.
Precautionary Statements – Prevention
Keep only in original container tightly closed.
Use in well-ventilated area.
Wash face, hands and any exposed skin thoroughly after handling
Wear protective gloves/protective clothing/eye protection/face protection
Avoid breathing dust or mist.
Avoid release to the environment.

Precautionary Statements – Response
Absorb spillage to prevent material damage.
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: Take off contaminated clothing and wash before reuse. Wash with plenty of soap and water. If irritation occurs get medical advice/attention.
IF INHALED: Remove person to fresh air and keep comfortable for breathing. Call POISON CENTER/doctor if you feel unwell.
IF SWALLOWED: Do not induce vomiting. Rinse mouth. Call a POISON CENTER or doctor/physician if you feel unwell.

Precautionary Statements – Storage
Keep containers tightly closed in a dry, cool and well-ventilated place. Store locked up. Store in a corrosive resistant container.

Precautionary Statements - Disposal
Dispose of contents/container to an approved waste treatment and disposal facility in accordance with applicable laws and regulations, and product characteristics at time of disposal.

Section III – Composition/Information on ingredients

<table>
<thead>
<tr>
<th>Mixture</th>
<th>CAS #</th>
<th>Weight %</th>
</tr>
</thead>
<tbody>
<tr>
<td>Sodium hypochlorite</td>
<td>7681-52-9</td>
<td>5-10</td>
</tr>
<tr>
<td>Sodium chloride</td>
<td>7647-14-5</td>
<td>1-5</td>
</tr>
<tr>
<td>Sodium Hydroxide</td>
<td>1310-73-2</td>
<td>1-5</td>
</tr>
</tbody>
</table>

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

Section IV – First Aid Measures

First Aid Measures

Inhalation: Remove to fresh air. If breathing stops, provide artificial respiration. If symptoms persist, call a physician.

Eye Contact: IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. Immediately get medical attention.

Ingestion: Rinse mouth. Call a POISON CENTER or doctor/physician if you feel unwell.
**Skin Contact:** Remove contaminated clothing, wash skin with plenty of water. If skin irritation persists, call a physician.

**Most Important Symptoms and Effects, both Acute and Delayed**

**Symptoms**
May cause severe skin burns and eye damage

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

**Note to Physicians:** Treat symptomatically.

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### Section V – Fire Fighting Measures

**Suitable Extinguishing Media**
Alcohol resistant foam, dry chemical or carbon dioxide, water spray.

**Unsuitable Extinguishing Media:** No data available.

**Specific Hazards Arising from the Chemical**
Hydrogen chloride and chlorine. Chlorine gas rate of decomposition increases with temperatures above 30°C (85°F)

**Protective Equipment and Precautions for Firefighters**
As in any fire, wear self-contained breathing apparatus pressure-demand, NIOSH approved and full protective gear. Keep upwind of the fire.

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### Section VI – Accidental Release Measures

**Personal Precautions, Protective Equipment and Emergency Procedures**

**Personal Precautions** Use personal protective equipment as required. Avoid breathing vapors, mist or gas. Ensure adequate ventilation. Evacuate personnel to safe area.

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

**Methods for Containment:** Prevent further leakage or spillage if safe to do so. Prevent discharge to the environment. Pick up and arrange for disposal without creating dust.

**Methods for Cleaning Up:** Use non-combustible material like vermiculite, sand or earth to soak up the product and place into a suitable container for later disposal.

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### Section VII – Handling & Storage

**Precautions for Safe Handling**

**Advice on Safe Handling:** Handle in accordance with good industrial hygiene and safety practice. Wash face, hands and any exposed skin thoroughly after handling. Do not eat, drink or smoke when using this product. Use personal protection recommended in Section 8. Avoid generation of dust.
Conditions for Safe Storage, Including any Incompatibilities

**Storage Conditions:** Store only in original container. Keep containers tightly closed in a dry, cool and well-ventilated place.

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**Section VIII – Exposure Controls/ Personal Protection**

**Exposure Guidelines**

<table>
<thead>
<tr>
<th>Chemical Name</th>
<th>CAS #</th>
<th>ACGIH TLV</th>
<th>OSHA PEL</th>
<th>NIOSH</th>
</tr>
</thead>
<tbody>
<tr>
<td>Sodium hypochlorite</td>
<td>7681-52-9</td>
<td>No exposure limits</td>
<td>No exposure limits</td>
<td>No exposure limits</td>
</tr>
<tr>
<td>Sodium chloride</td>
<td>7647-14-5</td>
<td>No exposure limits</td>
<td>No exposure limits</td>
<td>No exposure limits</td>
</tr>
<tr>
<td>Sodium Hydroxide</td>
<td>1310-73-2</td>
<td>2 mg/m³</td>
<td>2 mg/m³</td>
<td>2 mg/m³</td>
</tr>
</tbody>
</table>

**Appropriate Engineering Controls**

**Engineering Controls:** Provide adequate ventilation or other engineering controls to keep the airborne concentrations of vapors below their respective threshold limit value.

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

**Eye/Face Protection:** Wear approved chemical safety goggles/face shield at all time. Eyewash station is recommended.

**Skin and Body Protection:** Wear suitable protective clothing. Nitrile rubber gloves.

**Respiratory Protection:** Ensure adequate ventilation, especially in confined areas. Wear respiratory protection where airborne concentrations are expected to exceed exposure limits.

**General Hygiene Considerations:** Avoid contact with eyes and skin. Wash hands thoroughly after handling. Handle in accordance with good industrial hygiene and safety practice.

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**Section IX – Physical & Chemical Properties**

**Information on Basic Physical and Chemical Properties**

<table>
<thead>
<tr>
<th>Property</th>
<th>Values</th>
</tr>
</thead>
<tbody>
<tr>
<td>Physical State</td>
<td>Liquid</td>
</tr>
<tr>
<td>Color</td>
<td>Light yellow</td>
</tr>
<tr>
<td>pH</td>
<td>12.5-14</td>
</tr>
<tr>
<td>Melting Point/Freezing Point</td>
<td>No data available</td>
</tr>
<tr>
<td>Boiling Point/Boiling Range</td>
<td>No data available</td>
</tr>
<tr>
<td>Flash Point</td>
<td>Not flammable</td>
</tr>
<tr>
<td>Evaporation Rate</td>
<td>No data available</td>
</tr>
<tr>
<td>Flammability (Solid, Gas)</td>
<td>No data available</td>
</tr>
<tr>
<td>Upper Flammable Limits</td>
<td>No data available</td>
</tr>
<tr>
<td>Lower Flammable Limits</td>
<td>No data available</td>
</tr>
</tbody>
</table>
Vapor Pressure: No data available
Vapor Density: No data available
Specific Gravity: 1.08
Water Solubility: soluble in water
Solubility in Other Solvents: No data available
Partition Coefficient: No data available
Autoignition Temperature: No data available
Decomposition Temperature: No data available
Kinematic Viscosity: No data available
Dynamic Viscosity: No data available
Explosive Properties: Not an Explosive
Oxidizing Properties: No data available
Odor: Pungent chlorine odor
Odor Threshold: No data available

**Section X – Stability & Reactivity**

**Reactivity**
Hazardous polymerization will not occur. Mildly reactive

**Chemical Stability**
Stable under recommended storage conditions.

**Possibility of Hazardous Reactions**
No data available.

**Conditions to Avoid**
Contact with incompatible materials. Acid contact will produce chlorine gas.

**Incompatible Materials**
Acids, strong oxidizing agents, urea, organics and metals such as nickel, copper, tin, aluminum.

**Hazardous Decomposition Products**
No data available.

**Section XI - Toxicological information**

**Information on Likely Routes of Exposure**

**Product Information:**

**Inhalation:** Avoid breathing dust or mists.
**Eye Contact:** Causes severe eye damage.
**Skin Contact:** Causes skin burns.
**Ingestion:** Harmful if swallowed.

This product as a whole has not been tested for acute toxicity; the following is based on component data:

<table>
<thead>
<tr>
<th>Chemical Name</th>
<th>CAS #</th>
<th>Oral LD50</th>
<th>Dermal LD50</th>
<th>Inhalation LC50</th>
</tr>
</thead>
<tbody>
<tr>
<td>Sodium hypochlorite</td>
<td>7681-52-9</td>
<td>5000 mg/kg (Rat)</td>
<td>10000 mg/kg (Rabbit)</td>
<td>10.5 mg/l, 4 h (Rat)</td>
</tr>
<tr>
<td>Sodium chloride</td>
<td>7647-14-5</td>
<td>1350 mg/kg (Rabbit)</td>
<td>100 mg/kg (Rat)</td>
<td>40 mg/l, 4 h (Mouse)</td>
</tr>
<tr>
<td>Sodium</td>
<td>1310-73-2</td>
<td>6600 mg/kg</td>
<td>1350 mg/kg</td>
<td>600 mg/l, 4 h</td>
</tr>
<tr>
<td>Chemical Name</td>
<td>Sodium hypochlorite</td>
<td>Sodium chloride</td>
<td>Sodium Hydroxide</td>
<td></td>
</tr>
<tr>
<td>---------------------</td>
<td>---------------------</td>
<td>-----------------</td>
<td>------------------</td>
<td></td>
</tr>
<tr>
<td>Skin corrosion/irritation</td>
<td>Severe skin burns</td>
<td>Not classified</td>
<td>Causes severe burns rabbit 24h</td>
<td></td>
</tr>
<tr>
<td>Serious eye damage/irritation</td>
<td>Serious eye damage</td>
<td>Not classified</td>
<td>Corrosive rabbit 24h</td>
<td></td>
</tr>
<tr>
<td>Respiratory or skin sensitization</td>
<td>No data available</td>
<td>Not classified</td>
<td>Will not occur</td>
<td></td>
</tr>
<tr>
<td>Mutagenicity</td>
<td>No data available</td>
<td>Not classified</td>
<td>No data available</td>
<td></td>
</tr>
<tr>
<td>Carcinogenicity</td>
<td>No carcinogenic properties</td>
<td>Not classified</td>
<td>No carcinogenic properties</td>
<td></td>
</tr>
<tr>
<td>Reproductive toxicity</td>
<td>No data available</td>
<td>Not classified</td>
<td>No data available</td>
<td></td>
</tr>
<tr>
<td>Specific target organ toxicity- Single exposure</td>
<td>May cause respiratory irritation.</td>
<td>Not classified</td>
<td>No data available</td>
<td></td>
</tr>
<tr>
<td>Specific target organ toxicity- repeated exposure</td>
<td>No data available</td>
<td>Not classified</td>
<td>No data available</td>
<td></td>
</tr>
<tr>
<td>Aspiration hazard</td>
<td>Not classified</td>
<td>Not classified</td>
<td>No data available</td>
<td></td>
</tr>
</tbody>
</table>

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

**Carcinogenicity:** This product does contain carcinogens or potential carcinogens as listed by OSHA, IARC or NTP.

**Numerical Measures of Toxicity:** Not determined

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**Section XII - Ecological information**

**Ecotoxicity**

There is no data available for this product as a whole.

<table>
<thead>
<tr>
<th>Chemical Name</th>
<th>CAS #</th>
<th>Algae/aquatic plants</th>
<th>Fish</th>
<th>Aquatic invertebrates</th>
</tr>
</thead>
<tbody>
<tr>
<td>Sodium hypochlorite</td>
<td>7681-52-9</td>
<td>ErC50 Algae 0.40 mg/l, 72 h</td>
<td>LC50-Pimephales promelas-0.08 mg/l – 96 h</td>
<td>EC50-Daphnia magna (Water flea) – 0.032 mg/l -48 h</td>
</tr>
<tr>
<td>Sodium chloride</td>
<td>7647-14-5</td>
<td>No data available</td>
<td>LC50- Freshwater fish- 1100 mg/l – 96 h</td>
<td>EC50-Daphnia magna (Water flea) – 3310 mg/l -48 h</td>
</tr>
<tr>
<td>Sodium Hydroxide</td>
<td>1310-73-2</td>
<td>No data available</td>
<td>LC50 (Oncorhynchus mykiss (rainbow trout)): 45.4 mg/l 96 h, LC50 Gambusia affinis (mosquito fish)-125 mg/l – 96 h</td>
<td>LC50 Den-droneireides heteropoda(water flea)): 4720 mg/l 96 h</td>
</tr>
</tbody>
</table>

**Persistence and Degradability**

No data available

**Bioaccumulation**

No data available

**Mobility**

No data available

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**Section XIII - Disposal considerations**
**Waste Disposal Method**
Dispose of material in accordance with all Federal, State and local regulations. Local regulations may be more stringent than Federal or State. Avoid discharge to sewers or waterways.

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**Section XIV - Transport information**

**DOT Proper Shipping Description:**
**Bulk & Non Bulk:** UN3266, Corrosive liquids, basic, inorganic, N.O.S. (Sodium hypochlorite, sodium hydroxide), 8, PGIII

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**Section XV - Regulatory information**

**SARA Title III Section 311/312 (40CFR370):** Acute health hazards.
**SARA Title III Section 313 (40CFR372):** No reportable component.
**RCRA Status (40CFR261.33):** No reportable components.
**TSCA Inventory Status:** Reported/included
**OSHA/NTP/IARC Carcinogen Status:** Not listed
**Canadian DSL Status:** Reported/included

**Chemicals Known to the State of California to Cause Cancer or Reproductive Toxicity:** None

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

<table>
<thead>
<tr>
<th>Chemical Name</th>
<th>New Jersey</th>
<th>Massachusetts</th>
<th>Pennsylvania</th>
</tr>
</thead>
<tbody>
<tr>
<td>Sodium hypochlorite</td>
<td>X</td>
<td>Not listed</td>
<td>X</td>
</tr>
<tr>
<td>Sodium chloride</td>
<td>X</td>
<td>Not listed</td>
<td>X</td>
</tr>
<tr>
<td>Sodium Hydroxide</td>
<td>X</td>
<td>X</td>
<td>X</td>
</tr>
</tbody>
</table>

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**Section XVI - Other information**

**HMIS ratings:** Health: 3
                Flammability: 0
                Reactivity: 2
**Indication of changes:** Revision – 1
**Date Sheet Prepared:** 09/22/2015
**Other information:** Author – EHS Administrator

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The information herein is presented in good faith and believed to be correct as of the date hereof. However, the manufacturer makes no representation as to the completeness and accuracy thereof. Users must make their own determination as to the suitability of the product for their purposes prior to use.

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END OF SDS