

**SAFETY DATA SHEET**

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

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**Section I - Product & Company Identification**

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**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

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**Section II – Hazards Identification**

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**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.

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## **Section III –Composition/Information on ingredients**

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### **Mixture**

<b>Name</b>	<b>CAS #</b>	<b>Weight %</b>
Sodium hypochlorite	7681-52-9	5-10
Sodium chloride	7647-14-5	1-5
Sodium Hydroxide	1310-73-2	1-5

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

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## **Section IV – First Aid Measures**

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### **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**

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### **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**

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### **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**

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### **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**

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**Exposure Guidelines**

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

**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**

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**Information on Basic Physical and Chemical Properties**

<b>Physical State</b>	Liquid
<b>Color</b>	Light yellow
<b><u>Property</u></b>	<b><u>Values</u></b>
pH	12.5-14
Melting Point/Freezing Point	No data available
Boiling Point/Boiling Range	No data available
Flash Point	Not flammable
Evaporation Rate	No data available
Flammability (Solid,Gas)	No data available
Upper Flammable Limits	No data available
Lower Flammable Limits	No data available

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

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### Section X – Stability & Reactivity

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#### **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.

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### Section XI - Toxicological information

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#### **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:

Chemical Name	CAS #	Oral LD50	Dermal LD50	Inhalation LC50
Sodium hypochlorite	7681-52-9	5000 mg/kg (Rat)	10000 mg/kg (Rabbit)	10.5 mg/l, 4 h (Rat)
Sodium chloride	7647-14-5	1350 mg/kg (Rabbit)	100 mg/kg (Rat)	40 mg/l, 4 h (Mouse)
Sodium	1310-73-2	6600 mg/kg	1350 mg/kg	600 mg/l, 4 h

Hydroxide		(Mouse)	(Rabbit)	(Mouse)
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Chemical Name	Sodium hypochlorite	Sodium chloride	Sodium Hydroxide
Skin corrosion/irritation	Severe skin burns	Not classified	Causes severe burns rabbit 24h
Serious eye damage/irritation	Serious eye damage	Not classified	Corrosive rabbit 24h
Respiratory or skin sensitization	No data available	Not classified	Will not occur
Mutagenicity	No data available	Not classified	No data available
Carcinogenicity	No carcinogenic properties	Not classified	No carcinogenic properties
Reproductive toxicity	No data available	Not classified	No data available
Specific target organ toxicity- Single exposure	May cause respiratory irritation.	Not classified	No data available
Specific target organ toxicity- repeated exposure	No data available	Not classified	No data available
Aspiration hazard	Not classified.	Not classified	No data available

**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**

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**Ecotoxicity**

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

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

**Persistence and Degradability**

No data available

**Bioaccumulation**

No data available

**Mobility**

No data available

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**Section XIII - Disposal considerations**

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**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**

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**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**

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**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

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

Chemical Name	New Jersey	Massachusetts	Pennsylvania
Sodium hypochlorite	X	Not listed	X
Sodium chloride	X	Not listed	X
Sodium Hydroxide	X	X	X

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**Section XVI - Other information**

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**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.

No representations or warranty's, either express or implied of merchantability, fitness for a particular purpose or of any other nature with respect to the product or to the information herein is made hereunder. The manufacturer shall in no event be responsible for any damages of whatsoever nature directly or indirectly resulting from the publication or use of or reliance upon information contained herein.

**END OF SDS**