



Safety Data Sheet

1 - Identification

Product Name: X-14 Instant Mildew Stain Remover	Manufacturer: WD-40 Company
Product Use: Bathroom Cleaner	Address: 1061 Cudahy Place (92110) P.O. Box 80607 San Diego, California, USA 92138 -0607
Restrictions on Use: None identified	Telephone:
SDS Date Of Preparation: 07/23/2014	Emergency only: 1-888-324-7596 (PROSAR) Information: 1-888-324-7596 Chemical Spills: 1-800-424-9300 (Chemtrec) 1-703-527-3887 (International Calls)

2 – Hazards Identification

Hazcom 2012/GHS Classification:

Eye Damage Category 1

Skin Corrosion Category 1C

Note: This product is a consumer product and is labeled in accordance with the US Consumer Product Safety Commission regulations which take precedence over OSHA Hazard Communication labeling. The actual container label will not include the label elements below. The labeling below applies to industrial/professional products.

Label Elements:**DANGER!**

Causes severe skin burns and eye damage.

Prevention

Do not breathe mists.

Wash thoroughly after handling.

Wear protective gloves, protective clothing, eye protection, and face protection.

Response

IF SWALLOWED: Rinse mouth. Do NOT induce vomiting.

Immediately call a POISON CENTER or doctor.

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.

IF ON SKIN (or hair): Take off immediately all contaminated clothing. Rinse skin with water or shower.

Immediately call a POISON CENTER or doctor.

Wash contaminated clothing before reuse.

IF INHALED: Remove person to fresh air and keep comfortable for breathing.

Immediately call a POISON CENTER or doctor.

Storage

Store locked up.

Disposal

Dispose of contents and container in accordance with local and national regulations.

3 - Composition/Information on Ingredients

Ingredient	CAS #	Weight Percent	US Hazcom 2012/ GHS Classification
Water	7732-18-5	90-96%	Not Hazardous
Sodium Hypochlorite	7681-52-9	3-6%	Skin Corrosion Category 1B
Sodium Carbonate	497-19-8	0.5-2%	Eye Irritant Category 2

Note: The exact percentages are a trade secret.

4 – First Aid Measures

Ingestion (Swallowed): Rinse out mouth and give sips of water if the person is able to swallow and is alert. DO NOT INDUCE VOMITING. Get immediate medical attention. Call physician, poison control center or the WD-40 Safety Hotline at 1-888-324-7596.

Eye Contact: Immediately flush thoroughly with water. Remove contact lenses, if present, after the first 5 minutes and flush again with water for at least 15 -20 minutes. Get immediate medical attention.

Skin Contact: Flush skin with plenty of water for 15-20 minutes. Remove any contaminated clothing and rinse immediately with water to dilute concentrated bleach. Launder clothing before reuse. Get immediate medical attention.

Inhalation (Breathing): Discontinue use and immediately move to fresh air. If breathing is difficult, oxygen should be administered by qualified personnel. If breathing has stopped, administer artificial respiration. Get immediate medical attention.

Signs and Symptoms of Exposure: Causes severe irritation and burns to the eyes, skin, mouth and gastrointestinal tract. May be fatal if swallowed. Inhalation of mists may cause severe irritation and burns to respiratory tract.

Indication of Immediate Medical Attention/Special Treatment Needed: Immediate medical attention is required for all routes of contact.

5 – Fire Fighting Measures

Suitable (and unsuitable) Extinguishing Media: This product is not flammable or combustible. Use any media that is appropriate for the surrounding fire.

Specific Hazards Arising from the Chemical: Thermal decomposition will release corrosive and toxic gases, including chlorine and various chlorine compounds.

Special Protective Equipment and Precautions for Fire-Fighters: Firefighters should always wear positive pressure self-contained breathing apparatus and full protective clothing.

6 – Accidental Release Measures

Personal Precautions, Protective Equipment and Emergency Procedures: Wear appropriate protective clothing (see Section 8). Avoid contact with the spilled material. Avoid breathing vapors or mists.

Methods and Materials for Containment/Cleanup: Small spills can be washed down the drain with plenty of water or collected with an absorbent material and placed in a container for disposal. Clean spill area thoroughly. Large spills should be contained with an inert absorbent material. Report spills to authorities as required.

7 – Handling and Storage

Precautions for Safe Handling: Avoid contact with product. Avoid breathing vapors or mists. Use with adequate ventilation. Keep container closed when not in use. Immediately remove any contaminated clothing and launder before reuse. Wash thoroughly after use. Keep out of the reach of children. Do not use with any other cleaning agents or household chemicals, including ammonia, acids, toilet bowl cleaners or vinegar. Dangerous reactions may occur.

Conditions for Safe Storage: Store in a cool, dry area, away from incompatible materials.

8 – Exposure Controls/Personal Protection

Chemical	Occupational Exposure Limits
Sodium Hypochlorite	2 mg/m3 STEL AIHA WEEL

Sodium Carbonate	None Established
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The Following Controls are Recommended for Normal Consumer Use of this Product

Appropriate Engineering Controls: Use in a well-ventilated area.

Personal Protection:

Eye Protection: Avoid eye contact. Always spray product away from face. Wear safety goggles/glasses where there is a potential for eye contact.

Skin Protection: Avoid skin contact. Chemical resistant gloves recommended for operations where skin contact is likely.

Respiratory Protection: None needed for normal use with adequate ventilation.

For Bulk Processing or Workplace Use the Following Controls are Recommended

Appropriate Engineering Controls: Use adequate general or local exhaust ventilation to maintain exposure levels below that occupational exposure limits.

Personal Protection:

Eye Protection: Chemical safety goggles recommended.

Skin Protection: Wear rubber gloves and protective clothing as required to avoid skin contact.

Respiratory Protection: If the occupational exposure limits are exceeded, wear an approved respirator. Respirator selection and use should be based on contaminant type, form and concentration. Follow OSHA 1910.134, ANSI Z88.2 and good Industrial Hygiene practice.

Work/Hygiene Practices: Avoid contact with the eyes, skin and clothing. An eye wash should be available in the work area. Wash thoroughly after use.

9 – Physical and Chemical Properties

Appearance:	Clear, yellow liquid	Flammable Limits:	Not applicable
Odor:	Chlorine odor	Vapor Pressure:	Same as water
Odor Threshold:	Not established	Vapor Density:	Same as water
pH:	11.5-12.0	Relative Density:	1.03-1.15
Melting/Freezing Point:	Same as water	Solubilities:	100% in water
Boiling Point/Range:	~212°F (~100°C)	Partition Coefficient; n-octanol/water:	Not established
Flash Point:	None	Autoignition Temperature:	Not established
Evaporation Rate:	Not established	Decomposition Temperature:	Not established
Flammability (solid, gas):	Not applicable	Viscosity:	Not established
VOC:	0%	Pour Point:	Not established

10 – Stability and Reactivity

Reactivity: Not reactive under normal conditions

Chemical Stability: Stable

Possibility of Hazardous Reactions: Do not use with any other cleaning agents or household chemicals, including ammonia, acids, toilet bowl cleaners or vinegar. Dangerous reactions may occur.

Conditions to Avoid: Avoid excessive heat.

Incompatible Materials: Strong oxidizing agents, other cleaning agents or household chemicals including ammonia, acids, and toilet bowl cleaners or vinegar.

Hazardous Decomposition Products: Thermal decomposition or reaction with incompatible chemicals may release chlorine and various chlorine compounds.

11 – Toxicological Information

Symptoms of Overexposure:

Inhalation: High concentrations may cause severe nasal and respiratory irritation and burns. Intentional abuse may be harmful or fatal.

Skin Contact: Direct contact with liquid may cause severe irritation and possible burns.

Eye Contact: Direct contact will cause severe irritation, pain, burns and possible permanent eye damage.
Ingestion: Ingestion will cause immediate and severe burns of the mucous membranes of the mouth and gastrointestinal tract.

Chronic Effects: None expected.

Carcinogen Status: None of the components are listed as a carcinogen or suspect carcinogen by IARC, NTP, ACGIH or OSHA.

Reproductive Toxicity: None of the components is considered a reproductive hazard.

Numerical Measures of Toxicity:

Sodium Hypochlorite: Oral LD50 Rat 5800 mg/kg

Sodium Carbonate: Oral LD50 Rat 2800-4090 mg/kg

12 – Ecological Information

Ecotoxicity:

Sodium Hypochlorite: 96 hr LC50 Coho Salmon- 0.032 mg/L, 48 hr EC50 Daphnia magna - 0.141 mg active chlorine/L

Strong solutions will be very toxic to aquatic organisms.

Persistence and Degradability: This product is considered to be biodegradable.

Bioaccumulative Potential: Not bio accumulative.

Mobility in Soil: No data available

Other Adverse Effects: None known

13 - Disposal Considerations

Dispose in accordance with federal, state, and local regulations.

14 – Transportation Information

DOT Surface Shipping Description: UN1791, HYPOCHLORITE SOLUTIONS, 8, III, Ltd Qty

Canadian TDG Shipping Description: Consumer Commodity (Limited Quantity)

IMDG Shipping Description: UN1791, HYPOCHLORITE SOLUTIONS, 8, III, Ltd Qty, Marine Pollutant

ICAO Shipping Description: UN1791, HYPOCHLORITE SOLUTIONS, 8, III

NOTE: WD-40 does not test containers to assure that they meet the requirements for transport by air.
We do not recommend that our products be transported by air.

15 – Regulatory Information

U.S. Federal Regulations:

CERCLA 103 Reportable Quantity: This product has an RQ of 1,660 pounds based on the RQ for Sodium Hypochlorite of 100 lbs. Many states have more stringent release reporting requirements. Report spills required under federal, state and local regulations.

SARA TITLE III:

Hazard Category For Section 311/312: Acute Health

Section 313 Toxic Chemicals: This product contains the following chemicals subject to SARA Title III
Section 313 Reporting requirements: None

Section 302 Extremely Hazardous Substances (TPQ): None

EPA Toxic Substances Control Act (TSCA) Status: All of the components of this product are listed on the TSCA inventory.

California Safe Drinking Water and Toxic Enforcement Act (Proposition 65): This product does not contain chemicals regulated under California Proposition 65.

Canadian Environmental Protection Act: All of the ingredients are listed on the Canadian Domestic Substances List or exempt from notification.

Canadian WHMIS Classification: Class E (Corrosive)

This SDS has been prepared according to the criteria of the Controlled Products Regulation (CPR) and the SDS contains all of the information required by the CPR.

16 – Other Information:

HMIS Hazard Rating:

Health – 3 (serious hazard), Fire Hazard – 0 (minimal hazard), Physical Hazard – 0 (minimal hazard)

Revision Date: July 23, 2014

Supersedes: December 16, 2010

Revision Summary: Convert to Hazcom 2012. Changes in all sections.

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APPROVED By: I. Kowalski, Regulatory Affairs Dept.