



Material Safety Data Sheet

1 - Chemical Product and Company Identification

Manufacturer: WD-40 Company Address: 1061 Cudahy Place (92110) P.O. Box 80607 San Diego, California, USA 92138 -0607 Telephone: 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)	Chemical Name: Mixture Trade Name: <u>X-14 Instant Mildew Stain Remover</u> Product Use: Bathroom Cleaner MSDS Date Of Preparation: 12/16/10
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2 - Composition/Information on Ingredients

Ingredient	CAS #	Weight Percent
Sodium Hypochlorite	7681-52-9	3-6%
Sodium Carbonate	497-19-8	0.5-2%
Water	7732-18-5	90-96%

See Section 8 for Exposure Limits

3 - Hazards Identification

Emergency Overview: CAUTION! Eye irritant. May cause skin irritation. Inhalation of vapors or mists may cause nose, throat and upper respiratory tract irritation. Harmful if swallowed. Symptoms of Overexposure: Inhalation: Breathing of vapors or mists may cause irritation to the eyes, mucous membranes of the throat and nose and upper respiratory tract. Not recommended for use per persons with heart conditions or chronic respiratory problems. Skin Contact: May cause irritation. Eye Contact: Causes substantial but temporary eye injury with pain, tearing, swelling and redness. Ingestion: May cause irritation to the mouth and gastrointestinal tract. May cause abdominal pain, nausea and vomiting. Chronic Effects: None currently known. Medical Conditions Aggravated by Exposure: Pre-existing skin, heart and respiratory disorders. Suspected Cancer Agent: Yes No X

4 - First Aid Measures

Ingestion (Swallowed): Rinse out mouth and give sips of water. 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: Flush thoroughly with water for 5 minutes then remove contact lenses if present. Continue flushing eyes for at least 15 minutes. Then get immediate medical attention. Skin Contact: Flush thoroughly with water. Remove any contaminated clothing and launder before reuse. If irritation develops and persists, get medical attention. Inhalation (Breathing): Discontinue use and move to fresh air. Get medical attention if irritation develops and persists.

5 - Fire Fighting Measures

Flash Point: None

Flammable Limits: Not applicable

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

Unusual Fire or Explosion Hazards: Thermal decomposition will release corrosive and toxic gases.

6 – Accidental Release Measures

Wear appropriate protective clothing (see Section 8). Avoid contact with the spilled material. 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 the spill area with water. Large spills should be contained with an inert absorbent material. Collect into containers for proper disposal.

7 – Handling and Storage

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 laundry 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.

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

8 – Exposure Controls/Personal Protection

Chemical	Occupational Exposure Limits
Sodium Hypochlorite	2 mg/m ³ Ceiling AIHA WEEL
Sodium Carbonate	None Established

The Following Controls are Recommended for Normal Consumer Use of this Product

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. For sensitive skin or prolonged use, wear rubber gloves.

Respiratory Protection: None required.

For Bulk Processing or Workplace Use the Following Controls are Recommended

Engineering Controls: Use with adequate general ventilation or local exhaust to maintain exposure levels below the 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 limit is exceeded, wear an approved respirator. Selection of respiratory protection depends on the contaminant type, form and concentration. Select in accordance with OSHA 1910.134 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

Boiling Point:	~212°F	Evaporation Rate:	Not determined
Vapor Density (air = 1):	Same as water	Vapor Pressure:	Same as water
Solubility in Water:	100%	Appearance:	Clear, yellow liquid
Specific Gravity (H ₂ O)	1.03-1.15	Odor:	Chlorine
Percent Volatile (volume):	>90%	pH:	11.5-12.0

10 – Stability and Reactivity

Stability: Stable

Hazardous Polymerization: Will not occur.

Conditions to Avoid: Avoid excessive heat.

Incompatibilities: Strong acids and oxidizing agents. Do not use with any other cleaning agents or household chemicals, , including ammonia, acids, toilet bowl cleaners or vinegar. Dangerous reactions may occur.

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

11 – Toxicological Information

Sodium Hypochlorite: Oral LD50 rat 5800 mg/kg.

Sodium Carbonate: Oral LD50 rat 4090 mg/kg.

12 – Ecological Information

This product is considered to be biodegradable. Strong solutions will be harmful to aquatic organisms.

13 - Disposal Considerations

Dispose in accordance with local, state and federal regulations.

14 – Transportation Information_

US DOT Shipping Description: Consumer Commodity, ORM-D

Canadian TDG Shipping Description: Consumer Commodity (Limited Quantity)

International (Export) Shipping Description: UN1791, HYPOCHLORITE SOLUTIONS, 8, III

15 – Regulatory Information

US REGULATIONS

EPA TSCA: All ingredients for this product are listed on the TSCA inventory or exempt from notification.

SARA Title III chemicals: None

CERCLA reportable quantity: Releases of this product in excess of the reportable quantity of 2,270 pounds must be reported to the National Response Center. Many states have more stringent reporting requirements.

Report spills and other releases as required under federal, state and local regulations.

RCRA hazardous waste no: None

16 – Other Information:

HMIS Hazard Rating:

Health – 2 (moderate hazard), Fire Hazard – 0 (minimal hazard), Physical Hazard – 0 (minimal hazard)

SIGNATURE: 

TITLE: Director of Global Regulatory Affairs

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SUPERSEDES: November 2010