



**WD-40 Company**

# Material Safety Data Sheet



## 1 - Chemical Product and Company Identification

<b>Manufacturer:</b> WD-40 Company	<b>Chemical Name:</b> Mixture
<b>Address:</b> 1061 Cudahy Place (92110) P.O. Box 80607 San Diego, California, USA 92138 -0607	<b>Trade Name:</b> <u>X-14 Antibacterial Toilet Bowl Cleaner</u>
<b>Telephone:</b>	<b>Product Use:</b> Toilet Bowl Cleaner and Deodorizer
<b>Emergency only:</b> 1-888-324-7596 (PROZAR)	<b>MSDS Date Of Preparation:</b> 02/18/08
<b>Information:</b> 1-888-324-7596	

## 2 – Hazards Identification

<p><b>Emergency Overview: DANGER!</b> Bleach tablets are strong oxidizers. Possible fire hazard in contact with flammable or combustible material. Bleach tablets are corrosive and may cause burns to the eyes, skin, mouth and gastrointestinal tract. May be harmful if swallowed.</p> <p><b>Symptoms of Overexposure:</b> <b>Inhalation:</b> Inhalation is not a normal route of exposure for this product. If dust from Bleach Tablets is inhaled, severe irritation of the nose, mouth and upper respiratory tract would be expected. May aggravate existing respiratory conditions such as asthma. <b>Skin Contact:</b> Bleach Tablets are corrosive. Direct contact with wet tablet or moist skin may cause severe irritation and possible burns. Repetitive skin exposure may cause allergic sensitization. <b>Eye Contact:</b> Bleach Tablets are corrosive. Direct contact will cause severe irritation, pain, burns and possible permanent eye damage. <b>Ingestion: May be harmful if swallowed.</b> Bleach Tablets are corrosive and will cause immediate and severe burns of the mucous membranes of the mouth and gastrointestinal tract. <b>Chronic Effects:</b> None currently known. <b>Medical Conditions Aggravated by Exposure:</b> Pre-existing skin disorders.</p> <p><b>Suspected Cancer Agent:</b> Yes    No <input checked="" type="checkbox"/></p>
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## 3 - Composition/Information on Ingredients

Ingredient	CAS #	Weight Percent
Organic Chlorine Bleach	118-52-5	60-70%
Non-Hazardous Ingredients	89415-87-2 Proprietary	Balance

**See Section 8 for Exposure Limits**

## 4 – First Aid Measures

<p><b>Ingestion (Swallowed):</b> Rinse out mouth and give sips of water. <b>DO NOT INDUCE VOMITING.</b> Get immediate medical attention. Call physician, poison control center or the WD-40 Safety Hotline at 1-888-324-7596.</p> <p><b>Eye Contact:</b> Flush with water. Remove contact lenses if present and flush again with water for at least 15 minutes. Get immediate medical attention.</p> <p><b>Skin Contact:</b> Flush with water. Remove any contaminated clothing and launder before reuse. If irritation develops and persists, get medical attention.</p>
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**Inhalation (Breathing):** If dust from product is inhaled, 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:** Flood with water. Do not use dry chemicals, carbon dioxide or halogenated extinguishing agents.

**Unusual Fire or Explosion Hazards:** Heating Bleach Tablets will generate noxious gases. To minimize the generation of these gases, flood with a large quantity of water. Bleach Tablets are strong oxidizers and may react with flammable or combustible materials to cause a fire or explosion.

#### 6 – Accidental Release Measures

Bleach Tablets spilled from a single retail package should be carefully collected and flushed down the drain with plenty of water. Do not generate airborne dust. If a damp cloth or paper towel is used to collect material, rinse it thoroughly with a large amount of water before reuse or disposal. Concentrated bleach may cause a fire in contact with paper, rags or other combustible material.

#### 7 – Handling and Storage

**Handling:** Avoid contact with product. Avoid breathing dust from product. Wash thoroughly after use. Keep out of the reach of children. Keep Bleach Tablets away from flammable and combustible materials.

**Storage:** Store in a cool, dry area. Avoid heat and direct sunlight.

#### 8 – Exposure Controls/Personal Protection

Chemical	Occupational Exposure Limits
Organic Chlorine Bleach	0.2 mg/m <sup>3</sup> TWA, 0.4 mg/m <sup>3</sup> STEL ACGIH TLV 0.2 mg/m <sup>3</sup> TWA OSHA PEL

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

**Engineering Controls:** No special controls required for normal use.

**Personal Protection:**

**Eye Protection:** None normally required. Avoid eye contact.

**Skin Protection:** Avoid skin contact. For sensitive skin 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 minimize exposure levels.

**Personal Protection:**

**Eye Protection:** Chemical safety goggles recommended.

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

**Respiratory Protection:** None required for handling finished product. If exposure levels are excessive, 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. Wash thoroughly after handling.

#### 9 – Physical and Chemical Properties

Boiling Point:	Not available	Evaporation Rate:	Not available
Vapor Density (air = 1):	Not available	Vapor Pressure:	Not available
Solubility in Water:	100%	pH:	Not available
Specific Gravity (H <sub>2</sub> O)	Not available	Percent Volatile	Not available

(volume):  
Appearance and Odor: White tablet with a chlorine odor.

### 10 – Stability and Reactivity

**Stability:** Stable

**Hazardous Polymerization:** Will not occur.

**Conditions to Avoid:** Avoid excessive heat.

**Incompatibilities:** Acids, bases, ammonia, calcium hypochlorite, floor sweeping compounds, reducing agents, flammable and combustible materials.

**Hazardous Decomposition Products:** Thermal decomposition of Bleach Tablets may generate noxious gases including chlorine, nitrogen trichloride, cyanogen chloride and phosgene.

### 11 – Toxicological Information

Organic Chlorine Bleach: Oral LD50 rat 766-800 mg/kg, Skin LD50 rabbit >20,000 mg/kg, corrosive to eye and skin.

### 12 – Ecological Information

Organic Chlorine Bleach: EC50 Daphnia Magna 0.5 ppm/48 hr; LC50 Lepomis macrochirus (bluegill) 2.35 ppm/96 hr; LC50 Oncorhynchus mykiss (rainbow trout) 0.58 ppm/96 hr. Diluted product in use is not expected to present a hazard to the environment.

### 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)

### 15 – Regulatory Information

#### US REGULATIONS

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

This is an EPA registered pesticide (EPA Registration # 6836-263-71903) This product may only be used in the EPA registered application(s) stated on the product label.

SARA Title III chemicals: None

CERCLA reportable quantity: This product is not subject to CERCLA release reporting requirements. Many states have more stringent reporting requirements. Report spills and other releases as required under federal, state and local regulations.

RCRA hazardous waste no: D003

### 16 – Other Information:

HMIS Rating: Health: 3 Fire: 0 Reactivity: 2

SIGNATURE:  TITLE: Director of Global Quality Assurance

REVISION DATE: February 2008 SUPERSEDES: December 2004