



WD-40 Company

Material Safety Data Sheet

1 - Chemical Product and Company Identification

Manufacturer: WD-40 Company	Chemical Name: Mixture
Address: 1061 Cudahy Place (92110) P.O. Box 80607 San Diego, California, USA 92138 -0607	Trade Name: <u>2000 Flushes Clip-On with Bleach</u>
Telephone:	Product Use: Toilet Bowl Cleaner and Deodorizer
Emergency only: 1-888-324-7596 (PROZAR)	
Information: 1-888-324-7596	

2 - Composition/Information on Ingredients

Ingredient	CAS #	Weight Percent
Liquid Deodorant		
Surfactants	Mixture	50-70%
Fragrance	Mixture	5-10%
Bleach Tablet		
Organic Chlorine Bleach	87-90-1	100%

See Section 8 for Exposure Limits

3 - Hazards Identification

Emergency Overview: DANGER!

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. Liquid deodorant is an eye irritant.

Symptoms of Overexposure:

Inhalation: 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. No adverse effects expected in otherwise healthy individual exposed to the Liquid Deodorant. May aggravate existing respiratory conditions such as asthma.

Skin Contact: Bleach Tablets are corrosive. Direct contact with wet tablet or moist skin may cause severe irritation and possible burns. Prolonged contact with Liquid Deodorant may produce mild irritation.

Eye Contact: Bleach Tablets are corrosive. Direct contact will cause severe irritation, pain, burns and possible permanent eye damage. Liquid Deodorant is an eye irritant. Direct contact with liquid may cause irritation to eyes.

Ingestion: Bleach Tablets are corrosive and will cause immediate and severe burns of the mucous membranes of the mouth and gastrointestinal tract. Liquid Deodorant may produce mild gastrointestinal upset if ingested involving nausea, vomiting and diarrhea.

Chronic Effects: None currently known.

Medical Conditions Aggravated by Exposure: Pre-existing skin disorders.

Suspected Cancer Agent:

Yes No X

4 – First Aid Measures

FOR CONTACT WITH BLEACH TABLETS:

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 with water. Remove contact lenses if present and flush again with water for at least 15 minutes. Get immediate medical attention.

Skin Contact: Flush with water. Remove any contaminated clothing and launder before reuse. If irritation develops and persists, get medical attention.

Inhalation (Breathing): If dust from product is inhaled, move to fresh air. Get medical attention if irritation develops and persists.

FOR CONTACT WITH LIQUID DEODORANT

Ingestion: Rinse out mouth and dilute with fluids. Call physician, poison control center or the WD-40 Safety Hotline at 1-888-324-7596.

Eye Contact: Flush thoroughly with water and if irritation persists, get medical attention.

Skin Contact: Flush thoroughly with water and if irritation develops and persists, get medical attention.

Inhalation: Move to fresh air and 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 above 464°F 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. For small spills of Liquid Deodorant (one retail container or less) flush down drain with plenty of water. For larger spills, collect and place in a sealable container for later disposal.

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
Surfactants	None Established
Fragrance	None Established
Organic Chlorine Bleach	0.5 mg/m ³ TWA, 1.5 mg/m ³ STEL (manufacturer recommended limit)

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 prolonged 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 (H2O)	Not available	Percent Volatile (volume):	Not available
Appearance and Odor:	Bleach tablet – white with a chlorine odor. Liquid Deodorant – Blue liquid with a pleasant odor		

10 – Stability and Reactivity**Stability:** Stable**Hazardous Polymerization:** Will not occur.**Conditions to Avoid:** Avoid excessive heat.**Incompatibilities:** Bleach Tablets: 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 809 mg/kg, Skin LD50 rabbit 7600 mg/kg

12 – Ecological Information

No data available for product. 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.

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: Bleach Tablet D003
Canadian CEPA Status: All of the components of this product are listed on the Canadian DSL.

16 – Other Information:

HMIS Hazard Rating:

Health – 3, Fire Hazard – 0, Reactivity – 2

SIGNATURE:  TITLE: Director of Global Quality Assurance
REVISION DATE: February, 2008 SUPERSEDES: September, 2003