



**MATERIAL SAFETY DATA SHEET**

**SECTION 1 PRODUCT AND COMPANY IDENTIFICATION**

<p><b>MANUFACTURER/SUPPLIER:</b>  <b>US Office:</b>                  WD-40 Company                  1061 Cudahy Place                  San Diego, CA 92110</p> <p><b>Information Phone #: (619) 275-1400</b>  <b>Emergency Phone # 24 hr:</b>  <b>Chemtrec: (800) 424-9300 –</b>                  Designated for use only in the event of chemical emergencies involving a spill, leak, fire exposure or accident involving chemicals.</p>	<p><b>Canadian Office:</b>                  WD-40 Products [Canada] Ltd.                  P.O. Box 220                  Toronto, Ontario M9C 4V3</p> <p><b>Information Phone #: (416) 622-9881</b>  <b>Emergency Phone # 24 hr:</b>  <b>Canutec: (613) 996-6666 –</b>                  Designated for use only in the event of chemical emergencies involving a spill, leak, fire exposure or accident involving chemicals</p>
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PRODUCT NAME: 2000 Flushes Bleach  
 PRODUCT USE: Toilet Bowl Cleaner and Deodorizer  
 MSDS DATE OF PREPARATION: March 1, 2008

**SECTION 2 HAZARDS IDENTIFICATION**

**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.

**POTENTIAL HEALTH EFFECTS:**

**PRIMARY ROUTES OF ENTRY:** Skin and eye contact.

**ACUTE EFFECTS:**

**INGESTION:** Bleach Tablets are corrosive and will cause immediate and severe burns of the mucous membranes of the mouth and gastrointestinal tract.

**EYES:** Bleach Tablets are corrosive. Direct contact will cause severe irritation, pain, burns and possible permanent eye damage.

**SKIN:** Bleach Tablets are corrosive. Direct contact with wet tablet or moist skin may cause severe irritation and possible burns.

**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. May aggravate existing respiratory conditions such as asthma.

**CHRONIC EFFECTS:** None currently known.

**SECTION 3 COMPOSITION INFORMATION ON INGREDIENTS**

Ingredient	CAS Number	Percent
Organic Chlorine Bleach	87-90-1	80-100%

**SECTION 4 FIRST AID MEASURES**

**For Medical Emergencies Call 1-888-324-7596 (24 hours/day)**

**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.

#### SECTION 5. FIRE FIGHTING MEASURES

**EXTINGUISHING MEDIA:** Flood with water. Do not use dry chemicals, carbon dioxide or halogenated extinguishing agents.

**SPECIAL FIRE FIGHTING PROCEDURES:** Firefighters should always wear positive pressure self-contained breathing apparatus and full protective clothing for fires involving chemicals.

**UNUSUAL FIRE/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.

#### SECTION 6. ACCIDENTAL RELEASE MEASURES

**SPILL RESPONSE:** 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.

#### SECTION 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.

#### SECTION 8. EXPOSURE CONTROLE/PERSONAL PROTECTION

**OCCUPATIONAL EXPOSURE LIMITS:**

Organic Chlorine Bleach	0.5 mg/m <sup>3</sup> TWA, 1.5 mg/m <sup>3</sup> STEL (manufacturer recommended limit)
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#### **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 applicable regulations and good Industrial Hygiene practice.

**Work/Hygiene Practices:** Avoid contact with the eyes, skin and clothing. Wash thoroughly after handling.

SECTION 9. PHYSICAL DATA

APPEARANCE AND ODOR: White tablet with a chlorine odor.

Boiling Point:	Not applicable	Specific Gravity:	Not available
Solubility in Water:	Soluble	pH:	Not available
Vapor Pressure:	Not applicable	Vapor Density:	Not applicable
Percent Volatile:	Not available	Flash Point:	None
Coefficient of Water/Oil Distribution:	Not Determined	Flammable Limits:	Not applicable

SECTION 10 STABILITY AND REACTIVITY

STABILITY: Stable

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

CONDITIONS TO AVOID: Avoid excessive heat.

HAZARDOUS DECOMPOSITION PRODUCTS: Thermal decomposition of Bleach Tablets may generate noxious gases including chlorine, nitrogen trichloride, cyanogen chloride and phosgene.

SECTION 11 TOXICOLOGICAL INFORMATION

Organic Chlorine Bleach: Oral LD50 rat 809 mg/kg, Skin LD50 rabbit 7600 mg/kg

None of the components of this product is listed as a carcinogen or suspected carcinogen or is considered a reproductive hazard.

SECTION 12 ECOLOGICAL INFORMATION

No data available for product. Diluted product is use is not expected to present a hazard to the environment.

SECTION 13 DISPOSAL CONSIDERATIONS

WASTE DISPOSAL METHOD: Dispose in accordance with federal, state, and local regulations.

SECTION 14 TRANSPORT INFORMATION

U.S. DOT Hazard Classification: Consumer Commodity, ORM-D

Canadian TDG Classification: Limited Quantity

SECTION 15 REGULATORY INFORMATION

U.S. FEDERAL REGULATIONS:

CERCLA 103 Reportable Quantity: This product is not subject to CERCLA reporting requirements. Many states have more stringent release reporting requirements. Report spills as required under federal, state and local regulations.

SARA TITLE III:

Hazard Category For Section 311/312: Acute Health, Fire Hazard

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.

**CANADIAN REGULATIONS:**

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

Canadian WHMIS Classification: Class C (Oxidizing Material), Class E (Corrosive).

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

<b>Section 16 – Other Information__</b>
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**HMIS Hazard Rating: Health – 3 (serious hazard), Fire Hazard – 0 (minimal hazard), Physical Hazard – 2 (moderate hazard)**

Revision Date: 03/01/2008

Supersedes: 04/12/2005

Prepared By: Industrial Health & Safety Consultants, Inc.

This MSDS complies with OSHA guidelines set by 29 CFR 1910.1200 and the Canadian WHMIS regulations. The foregoing information has been compiled from sources believed to be accurate but is not warranted to be. Recipients are advised to confirm in advance of need that data is correct. Standards change without notice. It is the responsibility of the recipient to insure that their personnel have been notified of any changes which may affect them. The data provided on this MSDS are not meant to be used as specifications, only as guideline information as to the safe use of this product. User should refer to applicable laws before use.

N/D = Not Determined N/E = Not Established N/A = Not Applicable