



The Clorox Company
1221 Broadway
Oakland, CA 94612

Material Safety Data Sheet

I Product: ULTRA CLOROX 2 COLOR SAFE BLEACH (DRY)
Description: WHITE GRANULATE WITH BLUE (REGULAR), YELLOW (LEMON) OR PINK (FRESH WILDFLOWER) SPECKLES

Other Designations	Distributor	Emergency Telephone Nos.
All Fabric Bleach Color Safe Bleach Ultra Lemon Fresh Clorox 2 Ultra Fresh Wildflowers Clorox 2	Clorox Sales Company 1221 Broadway Oakland, CA 94612	For Medical Emergencies call: (800) 446-1014 For Transportation Emergencies Chemtrec (800) 424-9300 For non-emergencies, call: (800) 292-2200

II Health Hazard Data

Product may be harmful if swallowed. Do not ingest. Eye contact may result in temporary irritation. Prolonged skin contact with powder or paste of product may produce irritation. Avoid inhaling dust. Inhalation of large quantities of dust may produce an allergenic response (sensitization).

If ingested, perborate is converted to boric acid in the body. Boric acid has been found to cause reproductive and developmental toxicity in animals fed high levels of boric acid. There is insufficient data on these effects in humans.¹

No medical conditions are known to be aggravated by exposure to this product. Under directed consumer use conditions, this product is not expected to produce adverse health effects.

FIRST AID: **INGESTION:** Drink a glassful of water to dilute. Call a physician. **EYE CONTACT:** Immediately flush eyes with water for at least 15 minutes. Call a physician. **SKIN CONTACT:** If skin becomes irritated from prolonged contact, rinse thoroughly with water. If irritation persists call a physician. **INHALATION:** Remove to fresh air if breathing problems develop. If breathing problems persist, seek prompt medical attention.

KEEP OUT OF THE REACH OF CHILDREN

¹Moore, J.A. An Assessment of Boric Acid and Borax using the IEHR Evaluative Process for Assessing Human Developmental and Reproductive Toxicity of Agents. Reproductive Toxicology. Vol. 11, No. 1, pp. 123-160; 1997.

III Hazardous Ingredients

Ingredient	Concentration	Worker Exposure Limit
Sodium carbonate CAS #497-19-8	65 - 75%	None established
Sodium perborate monohydrate CAS #7632-04-4	1-5%	TLV ¹ : 10 mg/m ³ (total); 3 mg/m ³ (respirable) PEL ² 15 mg/m ³ (total); 3 mg/m ³ (respirable)
Sodium silicate CAS #1344-09-8	10 -15%	None established
Secondary alcohol ethoxylate CAS #84133-50-6	5-10%	None established
Enzyme Protein CAS 9014-01-1; 9001-62-1	<1%	0.06 µg/m ³ TLV-C ³

¹Threshold Limit Value as established by ACGIH (American Conference of Governmental Industrial Hygienists)

²Permissible Exposure Limit as established by OSHA (Occupational Safety and Health Administration).

³The Ceiling Threshold Limit Value (TLV-C) for pure crystalline subtilisin CAS No. 1395-21-7, 9014-01-1; Source - ACGIH, 1997.

None of the ingredients in this product is on the IARC, OSHA, or NTP carcinogen lists.

IV Special Protection and Precautions

The following recommendations are given for production facilities and for other conditions where there is increased potential for accidental, large-scale, or prolonged exposure.

Follow the practices described in the SDA publication, "Work Practices for Handling Enzymes in the Detergent Industry", most recent edition. This may include, but is not limited to the following:

Hygienic Practices: Avoid eye and skin contact. Do not inhale dust. Discontinue exposure to product if irritation or other adverse reactions develop.

Engineering Controls: Use local exhaust to minimize exposure to dust.

Work Practices: Use an approved respirator if exposed to dust. Wear safety glasses and gloves if routinely exposed to the product.

VI Spill Procedures/Waste Disposal

Spill Procedures: Scoop, sweep and/or vacuum dry spilled material and containerize. Wash down residual to sanitary sewer.

Waste Disposal: Dispose of in accordance with all applicable, federal, state and local regulations.

VIII Fire and Explosion Data

Not Combustible; not explosive

Extinguishing agents: (In the unlikely event of fire): water or foam

Heat decomposition products: Oxides of sodium, silicate, oxygen and boron.

HMIS Classification: Health 2, Flammability 0, Reactivity 0

V Transportation and Regulatory

DOT/MDGLATA: Not restricted.

EPA-SARA Title III/CERCLA: Packaged product is not reportable under Sections 311/312. This product contains no chemicals which are regulated under Section 313 or Section 304/CERCLA.

TSCA: All component chemicals are listed on the TSCA inventory.

VII Reactivity Data

Stable under normal use and storage conditions.

Avoid strong acids, strong bases, oxidizing agents, ammonium salts, aluminum, tin, lead, and zinc.

Storage: Store in cool, dry place.

IX Physical Data

Density.....0.65 - 0.80 g/CC

Solubility in water..... complete

pH.....N/A