

# MATERIAL SAFETY DATA SHEET

## MSDS C-113 REVISION 11

THE DIAL CORPORATION  
CENTER FOR INNOVATION  
15101 NORTH SCOTTSDALE ROAD  
SCOTTSDALE, ARIZONA 85254

MEDICAL EMERGENCIES: 1-888-689-9082  
CHEMTREC: 1-800-424-9300 (24 Hours Daily)  
OTHER INFORMATION: 1-888-468-6673

### SUBSTANCE IDENTIFICATION

SUBSTANCE: DRY BLEACH

TRADE NAMES/SYNONYMS: **PUREX® ALL FABRIC DRY BLEACH**  
**BORATEEM® DRY BLEACH**

CHEMICAL FAMILY: Mixture

I.D. NUMBERS: 928002 (Borateem), 928003 (Purex AFB)

NFPA RATINGS (Scale 0-4, where 4=high degree of hazard): HEALTH=1 FLAMMABILITY=0 REACTIVITY=0  
HMIS RATINGS (Scale 0-4, where 4=severe hazard): HEALTH=2 FLAMMABILITY=0 REACTIVITY=0

This product is labeled in accordance with regulations administered by the Consumer Product Safety Commission. The use pattern and exposure in the workplace are generally not consistent with those experienced by consumers. The requirements of the Occupational Safety and Health Administration applicable to this Material Safety Data Sheet differ from the requirements of the CPSC and as a result, this MSDS may contain additional health hazard information not pertinent to consumer use and not found on the product label.

### HAZARDOUS INGREDIENT INFORMATION

COMPONENT: ALCOHOL ETHOXYLATE CAS# 68439-50-9

COMPONENT: SODIUM CARBONATE CAS# 497-19-8

COMPONENT: SODIUM CHLORIDE CAS# 7647-14-5

#### OCCUPATIONAL EXPOSURE LIMITS:

DETERGENT DUST = PARTICULATES NOT OTHERWISE CLASSIFIED (PNOG)

15 mg/m<sup>3</sup> OSHA TWA (total dust), 5 mg/m<sup>3</sup> OSHA TWA (respirable fraction)

10 mg/m<sup>3</sup> ACGIH TWA (total dust), 3 mg/m<sup>3</sup> ACGIH TWA (respirable fraction)

Carcinogen status of components: Not listed as carcinogenic by NTP, IARC, or OSHA.

### PHYSICAL AND CHEMICAL DATA

DESCRIPTION: White to light blue granular product containing dark blue speckles.

BULK DENSITY: 1020-1120 g/l

SOLUBILITY IN WATER: Soluble.

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**FIRE AND EXPLOSION DATA**

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**FIRE AND EXPLOSION HAZARD** - Negligible fire hazard when exposed to heat or flame.

**FIRE FIGHTING MEDIA** - Extinguish using agent suitable for type of surrounding fire.

**FIRE FIGHTING** - No acute hazard. Move container from fire area if possible. Avoid breathing vapors or dusts; keep upwind.

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**HEALTH HAZARD DATA**

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NOTE: The acute health effects described below are those which could potentially occur for the finished product. They are based on the toxicology information available for the finished product and/or each hazardous ingredient, and are consistent with the product type and the likelihood of a specific route of exposure. Known chronic health effects related to exposure to a specific ingredient are indicated.

**ACUTE HEALTH EFFECTS:**

**INHALATION:** Dust may cause mucous membrane irritation with coughing, dryness and sore throat.

**SKIN CONTACT:** Repeated or prolonged exposure may cause irritation with redness or dermatitis.

**EYE CONTACT:** Direct contact with powder or dusts may cause irritation with redness, pain, blurred vision, and possibly corneal injury.

**INGESTION:** May cause gastrointestinal disturbances such as nausea, vomiting, abdominal pain, and diarrhea.

**CHRONIC HEALTH EFFECTS:** None known.

**MEDICAL CONDITIONS GENERALLY RECOGNIZED AS BEING AGGRAVATED BY EXPOSURE:** Pre-existing skin conditions and respiratory illnesses (such as asthma).

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**EMERGENCY AND FIRST AID PROCEDURES**

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**INHALATION:** Remove from exposure area to fresh air immediately. Keep affected person warm and at rest. Treat symptomatically and supportively. Contact physician or local poison control center. If breathing has stopped, give artificial respiration, and get medical attention immediately.

**SKIN CONTACT:** Rinse affected area with plenty of water until no evidence of product remains. Get medical attention if irritation persists.

**EYE CONTACT:** Immediately rinse eyes with large amounts of water, occasionally lifting upper and lower lids, until no evidence of product remains. Get medical attention if pain or irritation persist.

**INGESTION:** Treat symptomatically and supportively. Maintain airway and respiration. If vomiting occurs, keep head below hips to prevent aspiration. Dilution by rinsing the mouth and giving water or milk to drink is generally recommended. If unconscious, the victim should not be given anything to drink. Contact physician or local poison control center.

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**REACTIVITY**

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REACTIVITY - Stable under normal temperatures and pressures.

INCOMPATIBILITIES: Strong oxidizers, strong acids, strong reducing agents, metals.

DECOMPOSITION - Thermal decomposition may release toxic and/or hazardous gases including toxic fumes of chlorine and oxides of sodium and carbon.

POLYMERIZATION - Hazardous polymerization has not been reported to occur under normal temperatures and pressures.

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**STORAGE AND DISPOSAL**

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Store away from incompatible substances and excessive heat. Observe all federal, state and local regulations when storing or disposing of this substance.

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**CONDITIONS TO AVOID**

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Avoid contact with incompatible substances and excessive heat.

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**SPILL AND LEAK PROCEDURES**

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OCCUPATIONAL SPILL - Sweep or vacuum up and place in suitable clean, dry containers for reclamation or later disposal. Do not flush large amounts of spilled material into sewer. Keep unnecessary people away.

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**OCCUPATIONAL PROTECTIVE EQUIPMENT**

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VENTILATION - Provide local exhaust ventilation where dusts are likely to be generated to meet permissible exposure limits.

RESPIRATOR - Air contamination monitoring should be carried out where dusts are likely to be generated, to assure that the employees are not exposed to harmful concentrations above permissible exposure limits. If respiratory protection is required, it must be based on the contamination levels found in the workplace, must not exceed the working limits of the respirator and be jointly approved by the National Institute for Occupational Safety and Health and the Mine Safety and Health Administration (NIOSH-MSHA).

FOR FIRE FIGHTING AND OTHER IMMEDIATELY DANGEROUS TO LIFE OR HEALTH CONDITIONS -

Any self-contained breathing apparatus that has a full facepiece and is operated in a pressure-demand or other positive-pressure mode. Any supplied-air respirator that has a full facepiece and is operated in a pressure-demand or other positive-pressure mode in combination with an auxiliary self-contained breathing apparatus operated in pressure-demand or other positive-pressure mode.

CLOTHING - Protective clothing is required where repeated or prolonged skin contact may occur.

GLOVES - Chemical-resistant gloves are required where repeated or prolonged skin contact may occur.

EYE PROTECTION - Safety glasses are required to prevent eye contact where dusty conditions are anticipated.

**REGULATORY INFORMATION**

DOT FLAMMABILITY CLASSIFICATION:	Not applicable.
EPA - SARA TITLE III SECTION 313:	Not applicable - Consumer product.
TSCA:	All components of this product are listed or are exempted or excluded from listing on the U.S. Toxic Substances Control Act (TSCA) chemical substance inventory.

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SUPERCEDES: Rev. 10; 06/03/04  
REVISION DATE: 10/20/04  
REVISION: Updated Physical & Chemical Data section.