CHURCH & DWIGHT CO., INC.
CONSUMER PRODUCTS • SPECIALTY PRODUCTS

MATERIAL SAFETY DATA SHEET

MSDS NUMBER: MSDS-522                ISSUE DATE: 08/20/09                PAGE 1 OF 5

1. PRODUCT AND COMPANY IDENTIFICATION

Church & Dwight Co., Inc.
469 N. Harrison Street
Princeton, NJ 08540

ARM & HAMMER Whitening Booster Plus Enamel Strengthening

Product Use: Oral Care
Chemical Name: Mixture
Chemical Formula: Mixture
Synonyms/Common Names: Toothpaste

2. HAZARDS IDENTIFICATION

EMERGENCY OVERVIEW
White paste, blue beads
Mint taste and odor.
Not a fire hazard; not an environmental hazard.
Slight eye irritation potential.
Spills will cause slippery conditions.

Potential Health Effects
EYE: Irritating, but will not cause permanent injury. Effects will be minimized with washing.
SKIN CONTACT: Not a skin irritant.
INGESTION: Not considered toxic by ingestion. Swallowing large amounts (tablespoonfuls) may result in abdominal discomfort.
INHALATION: None known.
SUBCHRONIC EFFECTS/CARCINOGENICITY: None.

3. COMPOSITION/INFORMATION ON INGREDIENTS

<table>
<thead>
<tr>
<th>Chemical Ingredient</th>
<th>% By Wt.</th>
<th>CAS Number</th>
<th>EXPOSURE LIMITS</th>
</tr>
</thead>
<tbody>
<tr>
<td>Sodium Bicarbonate</td>
<td>40-60%</td>
<td>114-55-8</td>
<td>OSHA: None</td>
</tr>
<tr>
<td>Sodium lauryl sulfate</td>
<td>1-5%</td>
<td>151-21-3</td>
<td>ACGIH: None</td>
</tr>
<tr>
<td>PEG/PPG 38/8 Copolymer</td>
<td>20-40%</td>
<td>9003-11-6</td>
<td>OSHA: None</td>
</tr>
<tr>
<td>Sodium Percarbonate</td>
<td>1-3%</td>
<td>10332-33-9</td>
<td>ACGIH: None</td>
</tr>
<tr>
<td>Sodium Fluoride</td>
<td>0-1%</td>
<td>7681-49-4</td>
<td>8-hr TWA (as F): 2.5 mg/m^3</td>
</tr>
<tr>
<td>Sodium Saccharin</td>
<td>0.5-2%</td>
<td>128-44-9</td>
<td>8-hour TWA: 80 mg/m^3</td>
</tr>
<tr>
<td>Fumed Silica</td>
<td>1-4%</td>
<td>112945-52-5</td>
<td>%SiO_2 10 mg/m^3</td>
</tr>
</tbody>
</table>

CORPORATE HEADQUARTERS: 469 North Harrison Street • Princeton, New Jersey 08543-5297 • Phone (609) 683-5900
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Calcium Sulfate  3-8%  7778-18-9  Total Dust: 15 mg/m³  10 mg/m³
                    Respirable
  (resp. amount)   5 mg/m³  5 mg/m³  3 mg/m³

Exempt from OSHA and WHMIS as a packaged consumer drug and cosmetic product.
*OSHA nuisance dust is the same as Particulates Not Otherwise Regulated (PNOR).
ACGIH nuisance dust refers to Particulates Not Otherwise Classified (PNOC).

4. FIRST AID MEASURES
EYES: Flush with clean flowing water, low pressure and luke warm (not hot) if possible. Flush for 15 minutes or until irritation subsides. If irritation persists, seek medical attention.
INGESTION: Induce vomiting if large amounts are ingested. Keep airway clear. Seek medical attention.
NOTE TO PHYSICIAN: Large doses may cause alkalosis. Normal body mechanisms will handle the excretion of excess material and permit recovery. Treatment based on judgement of physician in response to reactions of patient.

5. FIRE FIGHTING MEASURES
FLAMMABLE PROPERTIES            FLAMMABLE LIMITS
FLASHPOINT: Not combustible       LFL: Not applicable
METHOD USED: Not applicable       UFL: Not applicable
EXTINGUISHING MEDIA: Non-combustible material. Use extinguishing media appropriate for surrounding fire.
FIRE-FIGHTING INSTRUCTIONS: Carbon Dioxide may be generated by thermal decomposition. Firefighters should wear full bunker gear and a self-contained breathing apparatus in any closed place.
UNUSUAL FIRE AND EXPLOSION HAZARDS: None known.

6. ACCIDENTAL RELEASE MEASURES
Scoop up into a waste container. Wash away small quantities of residual material with water. Product spills will present a slipping hazard. Use caution during cleanup and flush area thoroughly.

7. HANDLING AND STORAGE
For bulk containers and case quantities: Keep containers closed and store product at ambient temperature. Avoid freezing or excessive heat. Avoid getting product in eyes.

8. EXPOSURE CONTROLS/PERSONAL PROTECTION
EXPOSURE CONTROLS: Not established for these products. Refer to Section 2 for ingredient exposure limits.
RESPIRATORY PROTECTION: None required for bulk paste. Refer to ingredient MSDS for respiratory protection requirements related to handling and exposure to specific ingredients.
PROTECTIVE GLOVES: Not normally required. Impervious gloves recommended if handling bulk product, as in spill cleanup for example.
EYE PROTECTION: Not normally required. Safety glasses or goggles recommended when handling bulk product cleanup or transfer to containers.
9. **PHYSICAL AND CHEMICAL PROPERTIES**

   APPEARANCE: White opaque paste, blue beads
   ODOR: Mint
   PHYSICAL STATE: Solid/Paste
   pH (10% Soln. w/v): Range 8.0 - 8.5
   VAPOR PRESSURE: Not determined
   VAPOR DENSITY: Not determined
   BOILING POINT: Not determined
   FREEZING/MELTING POINT: Not determined
   SOLUBILITY IN WATER: Completely miscible and moderately soluble.
   SPECIFIC GRAVITY (water = 1): Approximately 1.62
   APPARENT DENSITY (g/cc): 1.62 g/cc
   % VOLATILE: Not applicable.
   MOLECULAR WEIGHT: Not applicable (mixture)

10. **STABILITY AND REACTIVITY**

   CHEMICAL STABILITY: Stable.
   CONDITIONS TO AVOID: For product integrity, avoid temperatures above 130°F. Products contain flavor which is subject to degradation at prolonged elevated temperatures.
   INCOMPATIBILITY WITH OTHER MATERIALS: Contact with acids will generate carbon dioxide.
   HAZARDOUS DECOMPOSITION PRODUCTS: Thermal decomposition will result in the release of carbon monoxide and carbon dioxide.
   HAZARDOUS POLYMERIZATION: Will not occur.

11. **TOXICOLOGICAL INFORMATION**

   EYE EFFECTS: Slight to moderate irritation possible. Washing will decrease irritation effect and duration.
   SKIN: Not a primary skin irritant. Over-exposure may cause mild irritation. Human long-term safety-in-use studies on similar toothpaste products resulted in no significant product-related oral irritation effects.
   ACUTE ORAL EFFECTS: Considered practically non-toxic. Oral LD_{50} > 5g/kg.

12. **ECOLOGICAL INFORMATION**

   No data available.

13. **DISPOSAL CONSIDERATIONS**

   Any disposal practice must be in compliance with local, state and federal regulations. Local and state laws may be different than federal. Be sure to consult with local and state agencies for specific rules. Landfill this product in accordance with all applicable regulations. Dilute and drain small amounts to sewer.
14. TRANSPORTATION INFORMATION
D.O.T. SHIPPING NAME: Not regulated

15. REGULATORY INFORMATION

CONSUMER USE

CANADA: Regulated by the Food and Drugs Act and Hazardous Products Act, and as such, are exempt from WHMIS.

UK: Products sold in the UK (a member state of the European Union) are regulated under the EC Cosmetics Directive 76/768/EEC via The Cosmetic Products (Safety) Regulations of 1989 as amended.

The ingredients in these products are reported in the U.S. EPA TSCA Inventory, Canadian DSL, and European Inventory (EINECS).

ENVIRONMENTAL
If these products become waste, they do not meet the definition of a hazardous waste by listing or characteristic.

16. OTHER INFORMATION
SUPERSEDES DATE: NEW
REASON FOR REVISION: NEW
For additional non-emergency health, safety and environmental information telephone 609.279.7705 or write to:

Church & Dwight Co. Inc.
Product Stewardship
469 North Harrison Street
Princeton, New Jersey 08543

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