

Cavitron® JET-Fresh® Prophy Powder

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MATERIAL SAFETY DATA SHEET

SECTION 1 IDENTIFICATION OF THE SUBSTANCE/PREPARATION AND OF THE COMPANY/UNDERTAKING

Product Name: Cavitron® JET-Fresh® Prophy Powder

Product Number: 130203

MSDS Code Number: 13020103

Manufacturer: DENTSPLY Professional

Address: 1301 Smile Way

York, PA 17404

Information Telephone Number: 1-800-989-8826 or 717-767-8502

Emergency Telephone Number: 800-424-9300 Chemtrec

Email: ProfessionalMSDS@dentsply.com

Product Use: Cavitron Jet-Fresh Prophy Powder is indicated for use in conjunction with an air polishing system, for removal of a variety of extrinsic stains, e.g. tobacco, coffee, tea, chlorhexidine. Prophylaxis of orthodontic patients. Preparing tooth surfaces prior to bonding and sealing procedures. Recommended for patients who are on a sodium-restricted diet.

Date of Last Revision: July 7, 2008

SECTION 2 COMPOSITION INFORMATION ON INGREDIENTS

Ingredient CAS No./EINECS No. Percent EC Substance

Classification

(67/548/EEC)

Aluminum Hydroxide 21645-51-2 / 244-492-7 90-100 Not applicable

See Section 16 for further information on EU Classification.

SECTION 3 HAZARDS IDENTIFICATION

Emergency Overview: May cause eye irritation. Inhalation of dust may cause upper respiratory tract irritation.

EU Preparation Classification (1999/45/EC): Not a dangerous preparation

SECTION 4 FIRST AID MEASURES

Eye Contact: Flush eyes with water, holding the eyelids apart. Get medical attention if irritation persists.

Skin Contact: Wash skin with soap and water. Get medical attention if irritation develops. Launder contaminated clothing before re-use.

Ingestion: If small quantities are swallowed, rinse out mouth with water. Do not induce vomiting. Never give anything by mouth to an unconscious or drowsy person. If irritation or discomfort occurs, get immediate medical attention.

Inhalation: Move victim to fresh air.

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SECTION 5 FIRE FIGHTING PROCEDURES

Extinguishing Media: Use media appropriate for the surrounding fire.

Firefighting Procedures: Firefighters should wear full emergency equipment and NIOSH approved positive pressure self-contained breathing apparatus.

Unusual Fire/Explosion Hazards: None known.

Known or Anticipated Hazardous Products of Combustion: Thermal decomposition may release aluminum oxides.

SECTION 6 ACCIDENTAL RELEASE MEASURES

Accidental Release Measures: Scoop up or sweep up and place into a container for disposal.

Personal Precautions: Avoid contact with skin, eyes or clothing.

Environmental Precautions: Do not allow water to enter lakes, streams, ponds, groundwater or soil.

Report releases as required by local, state and federal authorities.

SECTION 7 HANDLING AND STORAGE

Handling: Avoid contact with eyes. Avoid breathing dust . Wash thoroughly after handling. Wear protective clothing and equipment as described in Section 8. Use with adequate ventilation. Follow all MSDS precautions when handling empty containers.

Storage: Store in a dry, well ventilated area away from acids or other incompatible materials. Keep container closed when not in use.

SECTION 8 EXPOSURE CONTROL/PERSONAL PROTECTION

Occupational Exposure Limits:

Aluminum Hydroxide 5 mg/m³ TWA OSHA PEL (respirable fraction)

1.5 mg/m³ TWA DFG MAK (respirable fraction)

Engineering Controls: Use with adequate local exhaust ventilation to maintain exposures below the occupational exposure limits.

Personal Protective Equipment:

Eye Protection: Safety glasses with sideshields.

Skin Protection: Rubber or latex gloves.

Respiratory Protection: None should be needed for normal use. If the exposure limits are exceeded an approved dust/mist respirator appropriate for the form and concentration of the contaminants should be used. Selection and use of respiratory equipment must be in accordance with applicable regulations and good industrial hygiene practice.

Other Protective Clothing or Equipment: Clothing with long sleeves may be worn to avoid contact.

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SECTION 9 PHYSICAL AND CHEMICAL PROPERTIES

Appearance and Odor: Slightly off-white to ivory colored free-flowing powder with minty odor.

Boiling Point: Not applicable Melting Point: 3722°F (2050°C)

Freezing Temperature: Not applicable Specific Gravity: 2.42

Solubility in Water: Insoluble pH: Not available

Vapor Pressure (mmHg): Not applicable Vapor Density: Not applicable

Evaporation Rate: Not applicable Viscosity: Not applicable

% Volatile by Volume: Not applicable Flashpoint: Not flammable

Flammable Limits in Air:

LEL: Not applicable

UEL Not applicable

Autoignition Temperature: Not applicable

SECTION 10 STABILITY AND REACTIVITY

Stability: Stable

Conditions to Avoid: Prolonged contact with water may cause the product to gel.

Incompatibility with Other Materials: Avoid oxidizing agents and chlorinated rubber. Reacts violently with bismuth hydroxide.

Hazardous Decomposition Products: Thermal decomposition may release aluminum oxide.

Hazardous Polymerization: Will not occur.

SECTION 11 TOXICOLOGICAL INFORMATION

Potential Health Effects:

Eyes: Dust may cause irritation with redness and tearing.

Skin: Prolonged or repeated contact may cause mild irritation.

Ingestion: No adverse effects are expected under normal use conditions.

Inhalation: Inhalation of dust may cause irritation of the eyes, nose and upper respiratory tract.

Symptoms include coughing, sneezing and difficulty in breathing.

Chronic Health Effects: No adverse effects are expected under normal use conditions.

Carcinogenicity: None of the components of this product are listed as carcinogens by OSHA, IARC, ACGIH, NTP or EU Directives.

Medical Conditions Aggravated by Exposure: Individuals with pre-existing eye and respiratory disorders may be at increased risk from exposure.

Acute Toxicity Data:

Aluminum Hydroxide: LD50 Oral rat >5,000 mg/kg

SECTION 12 ECOLOGICAL INFORMATION

Aluminum Hydroxide:: No data available

SECTION 13 DISPOSAL CONSIDERATIONS

Dispose in accordance with federal, state, and local regulations.

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SECTION 14 TRANSPORT INFORMATION

DOT Shipping Name: Not Regulated

DOT Hazard Class: N/A

UN Number: N/A

DOT Labels Required (49CFR172.101): N/A

IATA Shipping Name: Not Regulated

IATA Hazard Class: N/A

UN Number: N/A

IATA Hazard Labels Required: N/A

IMDG Shipping Name: Not Regulated

IMDG Class: N/A

UN Number: N/A

IMDG Label: N/A

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 required under federal, state and local regulations.

SARA TITLE III:

Hazard Category For Section 311/312: Acute Health

Section 313 Toxic Chemicals: This product contains the following chemicals subject to Annual Release Reporting Requirements Under SARA Title III, Section 313 (40 CFR 372): 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.

U.S. STATE REGULATIONS

California Proposition 65: This product contains the following substances known to the State of California to cause cancer or reproductive toxicity: None

INTERNATIONAL REGULATIONS:

Canadian Environmental Protection Act: This product is a medical device and not subject to chemical notification requirements.

Canadian WHMIS Classification: Medical devices are not subject to WHMIS.

European Community Labeling: Not a dangerous preparation

European Inventory of New and Existing Chemicals Substances (EINECS): This product is a medical device and not subject to chemical notification requirements.

Australian Inventory of Chemical Substances: This product is a medical device and not subject to chemical notification requirements.

China Inventory of Existing Chemicals and Chemical Substances: This product is a medical device and not subject to chemical notification requirements.

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Japanese Existing and New Chemical Substances: This product is a medical device and not subject to chemical notification requirements.

Korean Existing Chemicals List: This product is a medical device and not subject to chemical notification requirements.

Philippine Inventory of Chemicals and Chemical Substances: This product is a medical device and not subject to chemical notification requirements.

SECTION 16 OTHER INFORMATION

HMIS Hazard Rating:

Health –1 Fire Hazard – 0 Reactivity – 0

Revision Date: 12/19/11 Supercedes: 07/07/08