**ProphyMaster™ - Air Polishing Prophylaxis Tips**

US & Int'l Patents Pending  •  ProphyMaster™ is a trademark of Groman Inc.

**GENERAL OPERATION** - The ProphyMaster™ tip is a waterless disposable pre-filled single-use Air Polishing Prophylaxis device that is powered by house air available at every dental chair with an integrated High-Speed Evacuation to remove the aerated powder in a single-hand operation.

- ProphyMaster™ tips are available in 2 types of prophy powder.
- ProphyMaster™ tip powder types are distinguishable by the color dot on the tip.
- ProphyMaster™ tips come pre-filled with soft Sodium Bi-Carbonate powder (color coded GREEN) and sodium FREE Calcium Carbonate powder (color coded YELLOW).
- ProphyMaster™ tips support a 0.8mm aperture nozzle for large area coverage and quick operation.
- The ProphyMaster™ nozzles are 360° rotatable for easy aim and reach.
- The ProphyMaster™ nozzles are formed to easily reach the lingual side.

Adapter installation instructions are provided with adapter purchase.

Please Check www.GromanDental.com web site for installation details.

The ProphyMaster™ may be utilized in a continuous sweep over the target area or in a pulsating operation. For most efficient and comfortable operation 35-45 psi is recommended. The nozzle is held about 1mm from the tooth surface; holding the instrument further away from the target surface increases the size of the affected surface while reducing the powder impact.

**INDICATIONS FOR USE** - For polishing, prophy treatment to remove extrinsic stain, dental plaque and soft debris while simultaneously polishing tooth surfaces.

**SAFETY** - Read the instructions and MSDS on backside carefully before using this device. The manufacturer, distributor, or retailer of this product can exercise no control over the misuse of the ProphyMaster™.

- This is a disposable device. Dispose after single patient use regardless of the remaining quantity of powder.
- DO NOT attempt to sterilize, refill or reuse.
- Mounting and pressurizing the device more than once will degrade device operation.
- Federal Law restricts this device to sale by or on the order of a licensed dentist.
- Due to the aeration of the prophy powder, it is necessary to protect the eyes of anyone present in the treatment room during the procedure, namely the patient, hygienist, assistant and dentist. For patient protection goggles and/or face (eyes and nose) covering with powder resistant material is recommended. All treatment room personnel should already be wearing eye protection. We recommend dental personnel wear face shields over safety glasses and masks for extra protection.
- Do not use oxygen or other flammable or toxic gases as propellant.
- Excessive air abrading will erode most surfaces. Practice and experiment on typodonts, pennies, stainless steel, extracted teeth, or glass slides before actual use. These surfaces will simulate both precious and non-precious alloys and porcelain.

**CAUTION:** Do not point the ProphyMaster™ nozzle towards your face or eyes. Always wear protective safety glasses when using this device. NEVER refill and/or reuse the device once it has run out of material. Safely dispose after use.

**IMPORTANT:** REVIEW SAFETY PRECAUTIONS PRIOR TO USE. Manufacturer is not responsible for damages due to misuse of the product.

**STEP 1** - Check tip color code mark to identify abrasive grade

<table>
<thead>
<tr>
<th>Tip Color Code</th>
<th>Grade</th>
</tr>
</thead>
<tbody>
<tr>
<td>Green</td>
<td>Sodium Bi-Carbonate</td>
</tr>
<tr>
<td>Yellow</td>
<td>(Sodium Free) Calcium Carbonate</td>
</tr>
</tbody>
</table>

**STEP 2** – Mount ProphyMaster™ Tip into the ProphyMaster™ Handpiece.

**STEP 3** – Pull needle forward until stop to unseal abrasive material.

Note – Turning nozzle prior to pulling reduces required pulling strength.

**STEP 3** – Apply High-Speed Suction by Moving the Rotary Valve Forward.

**STEP 5** – Direct nozzle at target surface and Depress the Foot Pedal To Initiate Powder Flow

**STEP 6** – Remove air abrasion tip from connector by FIRST pulling back on plastic collet and then pulling device away from the connector.

**IMPORTANT:** Pull Back the Collet FIRST and then Pull the ProphyMaster™ Tip Out Of Handpiece

**SDS Sheet** – For additional information on materials and safety precautions, please refer to the SDS Sheet available at the website.
**SECTION I – General Information**

**Manufacturer's Name:**

Groman Inc.

**Address:**

4900 NW 15th Street, Suite 4494
Margate, FL 33063

**Telephone:**

800-906-9298

**Company Contact:**

Compliance Manager - extension 709

**Date (Revised):**

October 10, 2008

**Product/Trade Name:**

EtchMaster®, ProphyMaster™

**Synonyms:**

Calcium Carbonate

**Chemical Family:**

Calcium

**Formula:**

CaCO3

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**SECTION II – Hazardous Components**

None

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**SECTION III – Physical Data**

- **Melting Temperature:**
  
  825 °C Decomposes

- **Density:**
  
  2.71 g/cm³

- **Water Solubility:**
  
  Slightly soluble in water

- **pH:**
  
  8.55@ 20 °C

- **Color:**
  
  Grayish white or white

- **Odor:**
  
  None, odorless

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**SECTION IV – Fire & Explosion Data**

Non-flammable; does not support combustion. Not an explosion hazard.

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**SECTION V – Health Data**

<table>
<thead>
<tr>
<th>Chemical Name</th>
<th>Limits for air contaminants</th>
</tr>
</thead>
<tbody>
<tr>
<td>Calcium Carbonate(CaCo3)</td>
<td>TWA Mg/M³, PEL Mg/M³</td>
</tr>
<tr>
<td>Total Dust</td>
<td>10(e)</td>
</tr>
<tr>
<td>Respirable Fraction</td>
<td>5</td>
</tr>
</tbody>
</table>

**Source of Exposure Limit Data**

ACGIH Threshold Limit Values; OSHA Tables: Z-1-A, Z-2, Z-3

Possible effects of Overexposure: Individuals with lung disorders should not be exposed to conditions where large airborne quantities of the nuisance dust exist without precautions taken to alleviate the aggravated preexisting medical condition.

<table>
<thead>
<tr>
<th>Exposure</th>
<th>Limit</th>
</tr>
</thead>
<tbody>
<tr>
<td>Inhilation:</td>
<td>Choking sensation, respiratory system passageways irritation</td>
</tr>
<tr>
<td>Skin Contact:</td>
<td>No evidence of adverse effects expected</td>
</tr>
<tr>
<td>Eye Contact:</td>
<td>May cause irritation.</td>
</tr>
<tr>
<td>Swallowing:</td>
<td>Non-toxic. May cause irritation of the throat and digestive passageways.</td>
</tr>
<tr>
<td>Carcinogen:</td>
<td>No evidence of carcinogenicity</td>
</tr>
</tbody>
</table>

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**SECTION VI – Reactivity Data**

None with water, air, heat, or strong oxidizers.

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**SECTION VII – Environmental**

Waste may be considered as inert material.

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**SECTION VIII – Handling, Storage, Transportation**

Stable under normal conditions of use, transportation, and storage.

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**SECTION IX – Special Precautions**

Use with adequate ventilation to meet exposure limits. When exposure is excessive, NIOSH approved respiratory protection should be used.

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**SECTION X – Spill, leak and disposal:**

Avoid dust during cleanup.

Stable under normal conditions of use, transportation, and storage.

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**SECTION XI – Disposal:**

Waste may be considered as inert material.

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**SECTION XII – Transportation Information:**

Stable under normal conditions of use, transportation, and storage.

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**SECTION XIII – Regulatory Information:**

None

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**SECTION XIV – Other Information:**

Non

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**SECTION XV – MSDS Preparation Date:**

October 10, 2008

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**Company Contact:**

Compliance Manager - extension 709

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**Telephone:**

800-906-9298

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**Manufacturer’s Name:**

Groman Inc.

**Address:**

4900 NW 15th Street, Suite 4494
Margate, FL 33063

**Telephone:**

(954) 649-8208

**Company Contact:**

Compliance Manager

**Date (Revised):**

August 10, 2006

**Product/Trade Name:**

Sodium Bicarbonate

**Synonyms:**

Baking Soda

**Chemical Family:**

Alkali

**Formula:**

NaHCO3

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**SECTION II – Hazardous Components**

Non

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**SECTION III – Physical Data**

- **Melting Temperature:**
  
  N/A

- **Specific Gravity:**
  
  60 Lb/ft³ @ 72 °F

- **Hardness:**
  
  N/A

- **Water Solubility:**
  
  16g/100ml @ 60 °C

- **pH:**
  
  7-8

- **Color:**
  
  White powder

- **Odor:**
  
  None, odorless

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**SECTION IV – Fire & Explosion Data**

Non-flammable; does not support combustion. Not an explosion hazard.

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**SECTION V – Health Data**

- **Inhilation:**
  
  Choking sensation, respiratory system passageways irritation. May cause coughing, shortness of breath. Provide fresh air, apply artificial respiration as needed. Obtain first aid or medical assistance, if needed.

- **Skin Contact:**
  
  Not absorbed through skin. No evidence of adverse effects expected.

- **Eye Contact:**
  
  May cause irritation. Wash with large amounts of water, obtain first aid or medical assistance, if needed.

- **Swallowing:**
  
  Gross ingestion (1/2lb+) may cause Alkalosis; However, as a natural material in the body it is well tolerated. Other potential health risks not known.

- **Carcinogen:**
  
  No evidence of carcinogenicity

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**SECTION VI – Reactivity Data**

Avoid contact with Strong Acids.

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**SECTION VII – Environmental**

Waste may be considered as inert material.

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**SECTION VIII – Handling, Storage, Transportation**

Stable under normal conditions of use, transportation, and storage.

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**SECTION IX – Special Precautions**

Use with adequate ventilation to meet exposure limits. When exposure is excessive, NIOSH approved respiratory protection should be used. See OSHA 29CFR1910.24 and 29CFR1910.1000