

**FANTASTIC M**  
**Contact Cure Orthodontic Adhesive**

**Kit Contains**  
**Activator -10 g**  
**Adhesive-25 g (5 syringes)**  
**Enamel Conditioner-12 g**  
**Accessories & Instructions**

**INSTRUCTIONS FOR USE**

- 1. Prophylaxis.** Thoroughly clean teeth to be bonded with an oil-and fluoride-free prophylaxis paste. Take care not to irritate the gingival tissue as this may cause bleeding and contamination of the bonding area.
- 2. Rinse and Dry.** Rinse thoroughly with water, isolate the teeth, and dry.
- 3. Etch.** Dispense one or two drops of Enamel Conditioner onto mixing pad, and apply with a brush or foam pellet applicator onto teeth to be bonded. Etch for 1 to 1 1/2 minutes. Do not allow acid to contact soft tissue or inter-proximal areas.
- 4. Rinse and Dry.** Flush teeth thoroughly with water to remove all traces of acid. Re-isolate and completely air dry teeth to be bonded. Do not allow patient to rinse or permit etched enamel to contact saliva. After drying, etched areas should appear chalky white; in some instances re-etching is required to achieve this effect.
- 5. Application of the Primer:** Apply a thin coat of Primer to the base of bracket and prepared tooth surface with a brush.
- 6. Application of Adhesive.** Apply a small amount of Adhesive paste directly on bracket base.
- 7. Bracket Placement.** Press bracket with a slight rotation action on primed tooth surface. Correct the position of the bracket on the tooth no later than 20 seconds after bracket placement.
- 8. Wire Placement.** Arch wires may be place just 4 minutes after last bracket is bonded.  
**CAUTION:** Enamel Conditioner contains phosphoric acid. Avoid contact with skin, eyes, or soft tissue. In case of contact, flush with water. Get medical attention if eyes are affected.  
**Adhesive and Activator:** Avoid prolonged or repeated contact with skin. Wash with soap and water after contact. If skin irritation occurs, discontinue use.

If plastic brackets are used, follow bracket manufacturer's recommendation for conditioning of bracket bases surface before bonding. In most instances, the use of Dent Zar's plastic bracket primer will assure good bond to the bracket base.

**HELPFUL HINTS**

1. Rebonding, if necessary, requires removal of all remaining adhesive from tooth. Repeat the entire bonding procedure as outlined above.
2. If longer than 20 seconds adjustment time is required, the paste should be taken out of the refrigerator just prior to use.

**STORAGE**

The material should be stored in a cool place at temperatures not exceeding 75°F (24°C). Under such conditions, the shelf life is in excess of one year. Routine refrigeration will extend shelf life to over two years. Do not freeze.

**DENT ZAR INTERNATIONAL, INC.**

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# Material Safety Data Sheet

U.S. Department of Labor

May be used to comply with  
OSHA's Hazard Communication Standard  
29 CFR 1910.1200, Standard must be  
consulted for specific requirements

Occupational Safety and Health Administration  
(Non-Mandatory Form)  
Form Approved  
OMB No. 1218-0072

Identity (as Used on Label and List) FANTASTIC-M One Step Orthodontic Adhesive Bonding SYSTEM

Note: Blank spaces are not permitted. If any item is not applicable, or no information is available, the space must be marked to indicate that

## Section I

DENT ZAR, INC.

Address (Number, Street, City, State and Zip Code)

19643 TRUIL BROOK DR.

TARZANA, CA 91356

Emergency Telephone Number: 818-8573010

Telephone Number for Information: 818-8573010

Date Prepared: 06-26-97

Signature of Preparer (Optional)

## Section II- Hazardous Ingredients/Identity Information

Hazardous Components (Specific Chemical Identity: Common Name(s) (CAS#) OSHA PEL ACGH TLV Recommend % (optional)

SILICON DIOXIDE	(60676-86-0)
ALUMINUM OXIDE	(1344-28-1)
METHACRYLATE POLYMER	(9003-42-3)
TETRAHYDROFURFURYL METHACRYLATE	(2455-24-5)
BIS-GMA	(1565-94-2)
ISOBUTYL METHACRYLATE	(97-86-9)
ETHYLENE GLYCOL DIMETHACRYLATE	(109-16-0)
BENZOYL PEROXIDE	(94-36-0)

## Section III - Physical/Chemical Characteristics

Boiling Point N/A Specific Gravity (H20=1) N/A

Vapor Pressure (mm Hg) N/A Melting Point N/A

Vapor Density (AIR=1) N/A Evaporation Rate (Bulyl/Acelate=1) N/A

Solubility in Water INSOLUBLE

Appearance and Odor TINTED PASTE AND VISCOUS LIQUID PRIMER WITH CHARACTERISTIC ODOR.

## Section IV - Fire and Explosion Data

Flash Point (Method Used) N/A Flammable Limits N/A LEL N/A UEL N/A

Extinguishing Media CHEMICAL FOAM, CARBON DIOXIDE OR DRY CHEMICAL

Special Fire Fighting Procedure NONE

Unusual Fire and Explosion Hazards NOT KNOWN AS TO DATE

## Section V - Reactivity Data

Stability UNSTABLE Conditions to Avoid EXTREME HEAT, SUN LIGHT OR VISIBLE LIGHT

Stable X

Incompatibility (Material to Avoid) PEROXIDES FOR THE PRIMER AND AMINES FOR THE ADHESIVE PASTE.

Hazardous Decomposition or By products IRRITATING FUMES MAY BE PRODUCED DURING A FIRE

Hazardous May Occur X Conditions to Avoid EXTREME HEAT AND EXPOSURE TO LIGHT

Polymerization Will Not Occur

## Section VI- Health Hazard Data

Route (S) of Entry Inhalation? YES Skin? YES Ingestion? YES

Health Hazards (Acute and Chronic) MAY OCCUR FOR SPECIAL ALLERGIC OR OVER EXPOSED PEOPLE

CARCINOGENICITY NTP? N/A ARC Monographs? N/A OSHA Regulated N/A NO CARCINOGENS

PRESENT

Signs and Symptoms of Exposure N/A

Medical Conditions Generally PERSONS WITH PRE-EXISTING SKIN SENSITIVITY

Aggravated by Exposure

Emergency and First Aid Procedures IF SKIN IS CONTACTED, WASH OFF WITH SOAP AND WATER IMMEDIATELY. SEE A PHYSICIAN PROMPTLY SHOULD INGESTION OCCUR.

## Section VII- Precautions for Safe Handling and Use

Steps to be taken in case Material is Released or Spilled CLEAN UP USING GLOVES AND DISPOSE OF IN AN APPROVED MANNER.

Waste Disposal Method

DISPOSE OF ACCORDING TO LOCAL, STATE AND FEDERAL REGULATIONS.

Precautions to be taken in handling and storing

AVOID CONTACT WITH SKIN, TISSUE, GUM AND EYES. AVOID EXPOSURE TO ELEVATED TEMPERATURE AND LIGHT.

Other Precautions

## Section VIII- Control Measures

Respiration Protection (specify type) GENERALLY NOT NECESSARY

Ventilation Local Exhaust RECOMMENDED

Mechanical (General) NORMAL VENTILATION

Protective Gloves RECOMMENDED

RECOMMENDED

Other Protective Clothing or Equipment

Work/Hygienic Precaution NORMAL SAFE PRACTICE. USE ONLY IN A HIGHLY PROFESSIONAL MANNER.

Special NONE

Other NONE

Eye Protection