Materials Safety Data Sheet

PROSEAL™ PIT AND FISSURE SEALANT

IDENTITY Trade Name:

PACSEAL™ PIT AND FISSURE SEALANT

Natural shade

Chemical Description: Light-cured, glass-filled resin Dental sealant

Product Use:

SECTION I

Pac-Dent International, Inc. 21038 Commerce Point Dr. Walnut, CA 91789

Phone Numbers: 24 Hour Emergency: 1-800-535-5053 Customer Service: 1-909-839-0888

Date Prepared: July 12, 2009

Date Prepared: July 12, 2000

SECTION II -HAZARDOUS INGREDIENTS

Ingradients CAS Number Ingredients Uncured Acrylate resins Sodium fluoride

112945-52-5 Not regulated Not established 6 mg/m³ / 10 mg/m³ 2.5 mg/m³ (as F)

DOT HAZARD CLASSIFICATION:

D-2 possible irritant FLAMMABILITY: 0 REACTIVITY: 1

SECTION III -PHYSICAL / CHEMICAL CHARACTERISTICS

Specific Gravity: 1.575 Vapor Density: 1 Solubility in water: Nil

Vapor Pressure: <1 mm Hg Evaporation Rate: Not available Odor Threshold: Not available

Appearance and Odor: Thin paste, either natural tooth shade or off-white, both with faint characteristic odor.

SECTION IV -FIRE AND EXPLOSION HAZARD DATA

Extinguishing Media: Carbon dioxide, dry chemical, alcohol foam or water fog. Water spray may be used to keep fire exposed containers cool.

keep tire exposed containers cool.

Special Fire Fighting Procedures: A self-contained breathing apparatus should be worn by fire fighting personnel. Cool exposed containers with water spray to prevent polymerization under fire conditions.

Hazardous Combustion Products: Hazardous copylmerization with heal build up and release of carbon monoxide, carbon dioxide and oxides of nitrogen may occur under fire conditions.

dyness nor pooling of water. Lightly dry and remove excess water it. Surfaces should be shiny or glossy. Overly wet surfaces will result in

Rinse well, removing all residual paste from pits and fissures.

Prepare questionable enamel in the usual manner.

SECTION V -REACTIVITY DATA

Conditions to avoid: Temperature >100°F, intense light.

Incompatibility: Reducing and oxidizing agents.

ProSeal™ bonds chemically and micromechanically to slightly moist teeth. It is tooth

PIT & FISSURE SEALANT LIGHT CURE - FLUORIDE RELEASING

providing an exceptional seal against microleakage.

ALWAYS APPLY PACSEAL TO A SLIGHTLY MOIST TOOTH SURFACE.

integrating and margin-free,

INSTRUCTIONS FOR USE

Hazardous Decomposition Products: Carbon monoxide, carbon dioxide, oxides of nitroger

Hazardous Polymerization: None under normal conditions of use. Conditions to avoid: Temperature >100°F, intense light...

SECTION VI -HEALTH HAZARD DATA

Summary of Acute Hazards: Minimal health hazard under normal conditions of dental practice. May be irritating to eyes, mucous membranes or skin.

Route of Exposure Signs & Symptoms

Inhalation

May be irritating to mucous membranes May be irritating Not applicable Eye Contact Skin Absorption Skin Contact Primary route of exposure. May be irritating Ingestion May be irritating to mucous membranes

Summary of Chronic Hazards: May be sensitizing, especially with prolonged and/or repeated exposure.

Carcinogenicity Teratogenicity Mutagenicity
Reproductive Toxicity

Emergency First Aid Procedures:

Eye Contact

Ingestion

Move to fresh air. Administer oxygen or artificial respiration if required and seek medical attention.

Flush eyes with running water for 15+ minutes. See medical attention.

Consult physician immediately.

Wash skin with soap and water for 15+ minutes.

SECTION VII -PRECAUTIONS FOR SAFE HANDLING & USE

Handling and Storage Precautions: Avoid temperature extremes, light and moisture. Release or Spill: Absorb / wipe up spill with suitable material; collect for disposal. Waste Disposal Method; Follow all government regulations. Other Precautions: None

SECTION VIII -CONTROL MEASURES Respiratory Protection: None required.

Ventilation: No special ventilation recommended under anticipated conditions of normal use.

Protective Gloves: Recommended

Eye Protection: Safety glasses or goggles are recommended

Other Protective Clothing or Equipment: Emergency eye wash fountain

Work/Hygienic Practices: Wash hands after use.

have sufficiently erupted permanent teeth with susceptible pits and fissures.5 have existing pits and fissures that are anatomically susceptible to caries;

have incipient caries (limited to enamel of pits and fissures);

may be at moderate or high

- for a variety of reasons,

For pit and fissure sealing, flow the material from cusp to 4. Isolate treatment are a and dry lightly with oil-free compressed air. 5. Apply PacEtch^{1M} 38% phosphoric acid etching gel to the clean tooth surface for 15 seconds. Rinse well. Do not disturb this surface. 6. Lightly dry and remove excess water with a cotton pellet or clean compressed air. LEAVE TOOTH SURFACES SLIGHTLY MOIST. Moist surfaces should appear shiny or glossy. Overly wet surfaces will result oral mucosa, eyes 10. Light cure. Cures with all lights. Curing time for a halogen light with a minimum of 300mW/cm2 is 20seconds. More powerful lights will cure faster. CAUTION: The etching solution contains phosphoric acid; therefore, contact with skin, oral mus and dentin should be avoided. In case of contact, the affected area should be flushed with water immediately. risk of developing dental caries; PacSeal™ bonds to surfaces slightly moist from saliva; however, it is best to avoid ba Place applicator tip securely on PacSeal™ syringe and carefully start flow of sealant.

♠ INDICATIONS AND PRECAUTIONS

Check and adjust occlusion, if necessary.

9. Apply PacSealTM to the prepared tooth surface.

in reduced bond strength.







Pac-Dent International, Inc. 21038 Commerce Point Dr. Walnut, CA 91789 Made in USA

PacDent[®]

Material Safety Data Sheet may be used to comply with OSHA's Hazard Communication Standard 29 CFR 1910.1200. Standard must be consulted for specific requirements. U.S. Department of Labor Occupational Safety and Health Administration (Non-Mandatory Form)

Identify (As used on Label and List)

Product Name: ProSeal® Light Cure Pit & Fissure Sealant

Item # PD-138

SECTION I

Pac-Dent International, Inc. 21038 Commerce Point Dr.

Walnut, CA 91789

Phone (909) 839-0888

Fax (909) 839-0881

Revised: Oct. 17, 2009

SECTION II Hazardous Ingredients/Identify Information

HAZARDOUS COMPONENTS (SPECIFIC CHEMICAL IDENTITY: COMMON NAME (S)):

Bisphenol A Diglycidyl Methacrylate, Triethylene Glycol Dimethacrylate, both in Composite and Bonding Agent, and Phosphoric Acid in etchant.

TLV: Not Available

SECTION III Physical/Chemical Characteristics

APPEARANCE: Thin clear liquid.

ODOR: Faint Resin Odor.

MELTING POINT: N/A

SOLUBILITY: Negligible

VAPOR DENSITY: N/A

SPECIFIC GRAVITY: N/A

BOILING POINT: N/A

SECTION IV Fire and Explosion Hazard Data

FLASH POINT: N/A

AUTOIGNITION TEMPERATURE: N/A

EXTINGUISHING MEDIA: Foam, carbon dioxide or dry material.

SPECIAL INFORMATION: None

SECTION V Reactivity Date

STABILITY: Stable

HAZARDOUS DECOMPOSITION PRODUCTS: Carbon Monoxide and Dioxide, low molecular weight Hydrocarbons and organic acids.

HAZARDOUS POLYMERIZATION: May Occur

INCOMPATIBILITIES: Strong acid, Peroxides and other oxidizing agents.

CONDITIONS TO AVOID: High Temperature, prolonged storage above 35°C, direct sunlight, and high intensity light.

SECTION VI - Health Hazard Information

CARCINOGENICITY: None Known

SIGNS OR SYMPTOMS OF EXPOSURE: Irritation, Dyspepsia, Nausea, and Vertigo.

FIRST AID MEASURES:

Inhalation -

If overexposure occurs and symptoms appear, consult a physician.

Ingestion -

If substantial quantities are involved, or in case of noticeable discomfort, drink large

quantities of water and consult physician immediately.

Skin Contact -

Flush with water; consult physician in case of lasting noticeable skin response.

Eye Contact -

Flush immediately with copious amounts of water, consult a physician if irritation or

disturbance in vision occur.

SECTION VII - Precautions for Safe Handling and Use

HANDLING PRECAUTIONS: Keep materials capped all the time after use.

SAFE STORAGE CONDITIONS: Avoid storage at storage at elevated temperatures.

OTHER RESTRICTIONS OR RECOMMENDATIONS: In case of material spill or release, absorb with inert materials such as dry sand and place in closed container for disposal as solid waste. If large quantities are involved, check State and Local regulations.

SECTION VIII - Control measures

VENTILATION SYSTEM: Not required

SKIN AND EYE PROTECTION: Not required if handled with caution.

Storage: Store at room temperature.

Info herein is given in good faith as authoritative and valid. However, no warranty, expressed or implied, can be made and we assume no liability resulting from its use.