

**MATERIAL  
SAFETY  
DATA SHEET**

PARKELL PRODUCTS INC.  
155 SCHMITT BLVD.  
FARMINGDALE, NY 11735  
516-249-1134

24-HOUR  
EMERGENCY  
TELEPHONE  
1-800-535-5053

**SECTION I - PRODUCT IDENTIFICATION**

PRODUCT NAME: SNAP RESIN (POWDER) STOCK NO: Various  
DOT HAZARD LABEL: None UN NUMBER: None  
PROPER SHIPPING NAME: None DATE PREPARED: 08/16/93  
NFPA CODES: HEALTH - 0 FLAMMABILITY - 0 REACTIVITY - 0

**SECTION II - HAZARDOUS INGREDIENTS/IDENTITY INFORMATION**

HAZARDOUS COMPONENTS	CAS NUMBER	PEL	TLV	%
Particulate, N.O.C.	NE	10 mg/m <sup>3</sup>	15 mg/m <sup>3</sup>	
Benzoyl Peroxide	94-36-0	5 mg/m <sup>3</sup>	5 mg/m <sup>3</sup>	
Cadmium Pigments	7440-43-9	.05 mg/m <sup>3</sup>	.2 mg/m <sup>3</sup>	

**SECTION III - PHYSICAL & CHEMICAL CHARACTERISTICS**

BOILING POINT: NA SPECIFIC GRAVITY (H<sub>2</sub>O = 1): 1.25  
VAPOR PRESSURE: NA PERCENT VOLATILES: NA  
VAPOR DENSITY (Air = 1): NA EVAPORATION RATE (Butyl Acetate = 1): NA  
APPEARANCE AND ODOR: Fine beige powder. Faint odor in bulk.

**SECTION IV - FIRE AND EXPLOSION HAZARD DATA**

FLASH POINT (TCC): 304 °C FLAMMABLE LIMIT (air, % by vol.) UPPER: NA LOWER: NA  
EXTINGUISHER MEDIA: Water, carbon dioxide, dry chemical.  
SPECIAL FIRE FIGHTING PROCEDURES: Avoid extinguishing methods which may generate dust clouds. Water stream can disperse dust into air, producing a fire hazard and possible explosion hazard if exposed to ignition source.  
UNUSUAL FIRE & EXPLOSION HAZARDS: Polymer dust is combustible. The explosive limits of the polymer particles suspended in air are approximately those of coal dust. Firefighters should wear self-contained breathing apparatus.

**SECTION V - REACTIVITY DATA (PHYSICAL HAZARDS)**

STABILITY: ☒ STABLE ☐ UNSTABLE  
CONDITIONS TO AVOID: Heating above 300 °C  
INCOMPATIBILITY (Materials to avoid): Strong oxidizing agents.  
HAZARDOUS DECOMPOSITION PRODUCTS: Ethyl Methacrylate Monomer and Oxides of Carbon.  
HAZARDOUS POLYMERIZATION: ☐ MAY OCCUR ☒ WILL NOT OCCUR  
CONDITIONS TO AVOID: NA

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**SECTION I - PRODUCT IDENTIFICATION**

PRODUCT NAME: SNAP MONOMER STOCK NO: S441  
DOT HAZARD LABEL: Flammable Liquid UN NUMBER: UN2283  
PROPER SHIPPING NAME: Isobutyl Methacrylate DATE PREPARED: 09/08/93  
NFPA CODES: HEALTH - 2 FLAMMABILITY - 2 REACTIVITY - 2

**SECTION II - HAZARDOUS INGREDIENTS/IDENTITY INFORMATION**

HAZARDOUS COMPONENTS	CAS NUMBER	PEL	TLV	%
Isobutyl Methacrylate	97-86-9	100 ppm	100 ppm	
4-Methoxyphenol	150-76-5	5 mg/m <sup>3</sup>	5 mg/m <sup>3</sup>	.01%

**SECTION III - PHYSICAL & CHEMICAL CHARACTERISTICS**

BOILING POINT: 311° F SPECIFIC GRAVITY (H<sub>2</sub>O ≈ 1): .889  
VAPOR PRESSURE: 3 mm HG PERCENT VOLATILES: 90%  
VAPOR DENSITY (Air = 1): 4.9 EVAPORATION RATE (Butyl Acetate = 1): 0.5  
APPEARANCE AND ODOR: Pale yellow liquid; acrid fruity odor.

**SECTION IV - FIRE AND EXPLOSION HAZARD DATA**

FLASH POINT (TCC): 111° F FLAMMABLE LIMIT (air, % by vol.) UPPER: NE LOWER: NE  
EXTINGUISHER MEDIA: Chemical foam, carbon dioxide, dry chemicals.  
SPECIAL FIRE FIGHTING PROCEDURES: Wear self contained breathing apparatus, and full protective gear. Use water spray to cool containers. EXPLOSION HAZARD - Fight fire from protected location.  
UNUSUAL FIRE & EXPLOSION HAZARDS: Vapors may travel to source of ignition and flash back. Heat can cause polymerization with rapid release of energy which may rupture container explosively. (Spontaneous polymerization may occur on prolonged storage). EXPLOSION HAZARD - Fight fire from protected location.

**SECTION V - REACTIVITY DATA (PHYSICAL HAZARDS)**

STABILITY: ☒ STABLE ☐ UNSTABLE  
CONDITIONS TO AVOID: Heat and ignition sources, aging and contamination.  
INCOMPATIBILITY (Materials to avoid): Reducing and oxidizing agents and UV light.  
HAZARDOUS DECOMPOSITION PRODUCTS: None under normal conditions; oxides of carbon when burned.  
HAZARDOUS POLYMERIZATION: ☒ MAY OCCUR ☐ WILL NOT OCCUR  
CONDITIONS TO AVOID: Temperatures above 40° C, oxidizing/reducing agents, peroxides, amines.

**MATERIAL SAFETY DATA SHEET (continued)**

PRODUCT NAME: SNAP RESIN POWDER STOCK NO: Various

**SECTION VI - HEALTH HAZARD DATA**

PRIMARY ROUTE(S) OF ENTRY: ☒ EYES ☒ SKIN ☒ INHALATION ☐ INGESTION  
HEALTH HAZARDS (Acute & Chronic): OSHA classifies this material as Particulate, Not Otherwise Classified. Eyes, Skin and Respiratory Tract may be irritated by gross overexposure to Particulate. Not Otherwise Classified, no matter how they are generated. Avoid inhalation of dust. Keep dust out of eyes to prevent possible irritation.  
SIGNS & SYMPTOMS OF EXPOSURE: NA  
CARCINOGENECITY: ☒ Yes NTP? ☒ Yes IARC MONOGRAPHS? ☒ No OSHA?  
Cadmium is the only component listed as a suspect human carcinogen by IARC and NTP.

EMERGENCY AND FIRST AID PROCEDURES:  
INHALATION: Remove to fresh air. Get medical help if discomfort persists.  
EYES: Flush with water for 15 minutes, including under eyelids.  
SKIN: Wash with soap and water. Get medical help if discomfort persists.  
INGESTION: Rinse mouth out with water. Call doctor if amount was large.

**SECTION VII - SPECIAL PRECAUTIONS AND SPILL OR LEAK PROCEDURES**

PRECAUTIONS TO BE TAKEN IN HANDLING & STORAGE: Store in cool, dry place. Keep container closed to prevent water absorption and contamination.  
OTHER PRECAUTIONS: NA  
STEPS TO BE TAKEN IN CASE MATERIAL IS RELEASED OR SPILLED: Sweep up to avoid slipping hazard. Keep airborne particulate at a minimum when cleaning up spills.  
WASTE DISPOSAL METHODS (Consult federal, state, and local regulations): May be disposed of in landfill or incinerated. Follow Federal, State, and Local regulations for disposal.

**SECTION VII - SPECIAL PROTECTION INFORMATION/CONTROL MEASURES**

RESPIRATORY PROTECTION: Nuisance dust type if needed.  
VENTILATION: Local exhaust at processing equipment.  
PROTECTIVE GLOVES: If hot plastic is handled.  
EYE PROTECTION: safety glasses or goggles.  
OTHER PROTECTIVE CLOTHING OR EQUIPMENT:  
WORK/HYGIENIC PRACTICES: Wash hands before eating, drinking or smoking.  
  
The information accumulated herein is believed to be accurate but is not warranted to be whether originating with the company or not. Recipients are advised to confirm in advance of need that the information is current, applicable, and suitable to their circumstances.

**MATERIAL SAFETY DATA SHEET (continued)**

PRODUCT NAME: SNAP MONOMER STOCK NO: S441

**SECTION VI - HEALTH HAZARD DATA**

PRIMARY ROUTE(S) OF ENTRY: ☒ EYES ☒ SKIN ☒ INHALATION ☐ INGESTION  
HEALTH HAZARDS (Acute & Chronic): Over exposure from liquid or high vapor concentration can irritate eyes, respiratory system and cause skin rashes. Prolonged exposure can lead to headaches, nausea, drowsiness and unconsciousness.  
SIGNS & SYMPTOMS OF EXPOSURE: Irritation of eyes and respiratory system; skin rash; headaches; nausea; drowsiness and unconsciousness.  
CARCINOGENECITY: ☒ No NTP? ☒ No IARC MONOGRAPHS? ☒ No OSHA?

EMERGENCY AND FIRST AID PROCEDURES:  
INHALATION: Remove to fresh air. Get medical help if discomfort persists.  
EYES: Flush with water for 15 minutes, including under eyelids.  
SKIN: Wash with soap and water.  
INGESTION: Induce vomiting, obtain prompt medical attention.

**SECTION VII - SPECIAL PRECAUTIONS AND SPILL OR LEAK PROCEDURES**

PRECAUTIONS TO BE TAKEN IN HANDLING & STORAGE: Store in cool dry place. Ground all metal containers when transferring. Use explosion-proof equipment. Check inhibitor levels every three months.  
OTHER PRECAUTIONS: NA  
STEPS TO BE TAKEN IN CASE MATERIAL IS RELEASED OR SPILLED: Evacuate area. Eliminate sources of ignition. Use self-contained breathing apparatus and protective clothing. Dike and absorb with inert material. Transfer to proper containers for disposal, use non-sparking tools. Keep spills out of sewers and open bodies of water.  
WASTE DISPOSAL METHODS (Consult federal, state, and local regulations): Incinerate liquid and diking material after addition of excess inhibitor, in accordance with Federal, State, and Local regulations.

**SECTION VII - SPECIAL PROTECTION INFORMATION/CONTROL MEASURES**

RESPIRATORY PROTECTION: Use self-contained breathing apparatus when needed.  
VENTILATION: Use local ventilation with a minimum capture velocity of 100 ft/min. (30 m/min.) at point of monomer release.  
PROTECTIVE GLOVES: Impervious, neoprene  
EYE PROTECTION: Safety glasses or goggles.  
OTHER PROTECTIVE CLOTHING OR EQUIPMENT: Provide eyewash station.  
WORK/HYGIENIC PRACTICES: Wash hands and face before eating, drinking and/or smoking.  
  
The information accumulated herein is believed to be accurate but is not warranted to be whether originating with the company or not. Recipients are advised to confirm in advance of need that the information is current, applicable, and suitable to their circumstances.

U.S. Federal Law restricts  
this material to sale by or on  
the order of a dentist

# SNAP Temporary Crown And Bridge Resin INSTRUCTIONS FOR USE

SEE  
OTHER SIDE  
FOR  
MSDS INFORMATION  
(All ingredients listed on MSDS)

## APPLICATION:

SNAP is a new generation self-cure resin for the provisional coverage of teeth prepared for crowns, bridges, inlays and onlays. SNAP is more accurate and requires less remargining. The unique handling properties of this new material make it adaptable to all techniques. These instructions are based on a typical technique. The material can also be hand-formed without

using a matrix. SNAP, because of its clinically-insignificant shrinkage, is also ideal to custom form direct burnout patterns for posts, cores, inlays, etc. Due to the exceptional adherence and adaptation of SNAP, fingers should be lightly lubricated with petrolatum before handling.

## DIRECTIONS:

- 1) Select the desired shade of SNAP and use 3cc. powder for every 1ml. monomer. For large mixes use the same ratio of 3 parts powder to 1 part liquid by volume.
- 2) Dispense monomer into dappen dish. Then dispense powder evenly over the complete surface of the monomer. Stir with spatula for 30-45 seconds, until a thick, creamy, sluggish consistency is obtained. At 72°F. (22°C.) room temperature and a 50% relative humidity, SNAP has a working time of 2-3 minutes from the start of the mix. Higher temperatures will shorten the working time, lower temperatures will extend the working time.
- 3) For best results, flow this thick mix into the impression matrix and vibrate if desired to eliminate air bubbles. Allow the mix to condition or gel for about 30 seconds until it shows a dull surface. It is now in a doughy state and should be placed over the preparation.
- 4) Lubricate the prepared teeth and surrounding tissue with petrolatum. Place the doughy mix over the prepared teeth and hold in position until it reaches a rubbery stage, about 3-4 minutes from start of the mix at body temperature. The operator can monitor this by rolling some excess material into a small ball and holding it between their fingers.

**NOTE:** For emergencies, such as traumatic fractures, SNAP can be hand-molded and placed directly over lightly lubricated tooth preparation without the need of an impression or vacuum-formed matrix. Instruct the patient to close and maintain occlusion. Then, when rubbery, carefully remove SNAP from the preparation.

**HELPFUL HINTS:** • If a clear incisal tone is desired, a mix of the CLEAR shade (stock No. S429) can be placed in the incisal edge area of the matrix prior to the placement of the body tone shade • **Try blue-colored SNAP (called Relate). Forms distortion-free patterns for cast posts, cores and inlays, etc.** • If faster setting time of SNAP is preferred, make a thicker mix. To slow the setting time in the summer months, the monomer can be chilled.

**ADVERSE REACTIONS:** Occasional hypersensitivity to methacrylates has been reported, usually evidenced by a dermatitis or inflammatory reaction. If this occurs, stop use immediately and contact physician.

**PRECAUTIONS FOR HANDLING LIQUID - FLAMMABLE.** Keep container closed. Use with adequate ventilation. Avoid prolonged breathing of vapors • Avoid contact with skin or accidental application to the eyes. If this occurs, wash with water immediately • Harmful if swallowed. Contact physician. • Keep away from children • Store in a cool place, away from direct sunlight • SNAP powder and liquid both have a one-year shelf life.

**SUPPLIED AS -** Introductory kit (stock No. S424) of four popular shades of powder plus monomer.

**Powder refills -** Available in 40g. & 170g. sizes.

**Monomer refills -** Available in 4 oz. (118 ml.) size, stock No. S441.

To order, call toll-free 1-800-243-7446



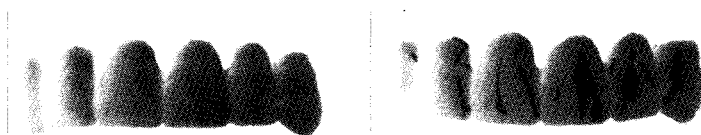
Shade	40g. size Stock No.	170g. size Stock No.
59	S451	S452
61	S425	S442
62	S459	S447
65	S426	S443
69	S449	S450
77	S427	S444
81	S479	S480
CLEAR	S429	S434

(For incisal edge)

**Relate (Blue SNAP) For Burn-Out Patterns**

S458R (90g. size)

## SNAP LIQUID GLAZE - A surface glaze and sealant for dental acrylics



BEFORE

AFTER

**Description -** A clear, single-component, self-curing, liquid resin. To protect, glaze and seal dental acrylic surfaces. Dries to a high gloss lustre without polishing. Improves wearability and shields the appliance from staining and discoloration.

**Indications For Use -** • Over acrylic temporary crowns and bridges worn for longer periods • Over acrylic veneers and jacket crowns, and in the interproximal spaces of acrylic teeth • On axial surfaces of temporary crowns to protect them against ZOE cements • To coat rough spots on dentures • To glaze "hard-to-polish" areas on acrylic appliances.

**How To Use -** Shake glaze bottle vigorously for a few seconds. If too thick, add thinner. Using the applicator brush, apply a thin coat of SNAP Glaze uniformly over the areas to be treated. Surface will remain "tacky" for about 5 minutes until it cures. Avoid handling during "tacky" state. One coat is usually adequate to achieve a high-gloss lustre. No need to polish, Wash appliance thoroughly with soap and water before inserting.

Supplied as - Package (stock No. S422) containing 1 fl. oz. bottle SNAP Glaze and 1 fl. oz. bottle Thinner

**SNAP REFERENCES:** • The marginal accuracy of treatment restorations, a comparative analysis, Journal of Prosthetic Dentistry, p. 283-290, B.J. Crispin, D.D.S., M.S., J.F. Watson, D.D.S., and A.A. Caputo, Ph.D., University of CA., at Los Angeles, School of Dentistry • Clinical Research Associates, Provo, Utah, Vol. 1, Issue 12, December 1977, The Associations report on the product SNAP • Temporaries; A preview of the permanent work using the new generation self-cure SNAP and a vacuum-mold matrix, Henry Dwork, D.D.S., New York Journal of Dentistry, Nov. 1981, p. 234-236