

**SECTION I - PRODUCT IDENTIFICATION**

**Product name:** Poly(vinylpyrrolidone-butylmethacrylate) copolymer  
**Manufacturer:** INterface BIOmaterials  
**Synonyms:** SlipSkin™

**SECTION II - COMPOSITION/INFORMATION ON COMPONENTS**

Poly(vinylpyrrolidone-butylmethacrylate) copolymer is a copolymer of N-vinyl pyrrolidinone (NVP) and butylmethacrylate BMA).

<b>Ingredients</b>	<b>CAS#</b>	<b>EINECS#</b>	<b>Hazardous</b>
NVP	88-12-0	201-800-4	Xn
BMA	97-88-1	202-615-1	Xi

**SECTION III - HAZARD IDENTIFICATION**

**Emergency Overview:** The toxicological properties of this product have not been investigated completely.

**Inhalation:** Could lead to irritation of the breathing ways. The toxicological properties of this product have not been investigated completely. **Ingestion:** Could lead to irritation of the digestion canals. The toxicological properties of this product have not been investigated completely. **Skin Contact:** Could lead to irritation of the skin, may be absorbed through the skin with possible systemic effect. **Eye Contact:** Could lead to irritation with discomfort, tearing, blurring of vision. **Chronic Exposure:** The toxicological properties of this product have not been investigated completely.

**SECTION IV - FIRST AID MEASURES**

**Inhalation:** If inhaled remove to fresh air. If not breathing, give artificial respiration. If breathing is difficult, give oxygen. Prompt action is essential. **Ingestion:** Do NOT induce vomiting. Never give anything by mouth to an unconscious person. Let the person drink 2-4 cups of water and get medical attention. **Skin Contact:** Immediately remove contaminated clothing and wash affected area thoroughly with soap and water for at least 15 minutes. Get medical attention. **Eye Contact:** In case of eye contact, immediately flush with plenty of water for at least 15 minutes. Get medical attention.

**SECTION V – FIRE FIGHTING MEASURES**

**Fire Extinguishing Media:** Water, dry chemical, foam or carbon dioxide. **Special Information:** Firefighters should wear proper protective equipment and self-contained breathing apparatus with full-face piece operated in positive pressure mode. Fire fighting equipment should be thoroughly decontaminated after use. This material, as normally packaged and handled, can contain sufficient fines to present a potential dust explosion hazard if a sufficient quantity of this material is dispersed in air. In case of fire, irritating and toxic gasses may develop caused by dissolution and combustion.

**SECTION VI – ACCIDENTAL RELEASE MEASURES**

Wear self-contained breathing apparatus and full protective clothing. With clean shovel, carefully place material into clean, dry container and cover; remove from area. Flush spill area with water. Ventilate area.

#### SECTION VII – HANDLING AND STORAGE

**Storage:** Store in a cool place away from heated areas, sparks and flame. Store in a well ventilated area. Store away from incompatible materials. Keep containers tightly closed and dry. Avoid contact with skin and eyes. Avoid dust formation. Use only in a chemical fume hood. Do not breathe dust. Do not get in eyes, on skin, or on clothing. Avoiding prolonged or repeated exposure. Wash thoroughly after handling. Keep it dry. Moisture causes nitration of organic materials and may result in spontaneous ignition. Containers of this material may be hazardous when empty since they retain product residues (dust, solids); observe all warnings and precautions listed for the product.  
**Precautions:** Avoid contact with skin and eye and prolonged exposure. The product is stable until the expiration date shown on the box and on the labels when stored at room temperature.  
**Work/Hygienic Practices:** Wash hands with soap and water thoroughly after use. Wash contaminated clothing.

#### SECTION VIII – EXPOSURE CONTROL/PERSONAL PROTECTION

**Personal respirators (NIOSH Approved):** For conditions of use where exposure to the substance is apparent and engineering controls are not feasible, consult an industrial hygienist. For emergencies, or instances where the exposure levels are not known, use a full-face piece positive- pressure, air-supplied respirator. **WARNING:** Air purifying respirators do not protect workers in oxygen-deficient atmospheres. **Skin Protection:** Wear impervious protective clothing, including boots, gloves, lab coat, apron or coveralls, as appropriate, to prevent skin contact. **Eye Protection:** Use chemical safety goggles and/or full-face shield where dusting or splashing of solutions is possible. Maintain eye wash fountain and quick-drench facilities in work area.

#### SECTION IX – PHYSICAL AND CHEMICAL PROPERTIES

**Appearance:** White powder. **Odor:** -. **Solubility:** Soluble. **Specific Gravity:** Not analyzed. **Percent Volatiles by volume at 21 °C (70 °F):** Not analyzed. **Boiling Point:** Not available. **Melting Point:** Not analyzed. **Vapor Density (Air = 1):** NA. **Vapor Pressure (mm Hg):** Not applicable.

#### SECTION X – STABILITY AND REACTIVITY

**Stability:** Stable under ordinary conditions of use and storage. **Hazardous Decomposition Products:** Carbon monoxide, carbon dioxide, oxides of nitrogen, irritating and toxic gasses and fumes. **Hazardous Polymerization:** Will not occur. **Incompatibilities:** Strong oxidizing agents. **Conditions to Avoid:** Heat, flame, other sources of ignition, moisture.

#### SECTION XI – TOXICOLOGICAL INFORMATION

The toxicological properties of this product have not been investigated completely.

#### SECTION XII – ECOLOGICAL INFORMATION

Not available

#### SECTION XIII – DISPOSAL CONSIDERATIONS

Whatever cannot be saved from recovery or recycling should be handled as hazardous waste and set to a RCRA approved waste facility. Insure compliance with all government regulations.

**SECTION XIV – TRANSPORT INFORMATION**

Not regulated as hazardous material.

**SECTION XV – REGULATORY INFORMATION FOR pNA**

**European/International regulations:** Not available. **US federal:** Not available.

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