



MATERIAL SAFETY DATA SHEET

M.S.D.S.#00186

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March 12, 2002

1. Chemical Product and Contact Information

Product Name: Nano-Bond® Self Etch Primer
Material Safety Sheet Number: 00186
Date of Issue: 3/12/02
Revision Date: Not Applicable

Company Identification: Pentron Clinical Technologies, LLC
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Emergency Information Chemtrec: 800-424-9300
Chemtrec International: 202-483-7616

2. Composition/Information on Ingredients

Chemical characteristics: Acidic monomer solution.
Description: AMPS and hydrophilic monomers solution.
Hazardous components: Ethyl alcohol.

Element	CAS #	Exposure Limit mg/m ³	
		OSHA PEL	ACGIH TLV
Phosphoric Acid (H ₃ PO ₄)	766-4-38-2	1	1
Xanthan Gum	11138-66-2	N/E	N/E
Water (H ₂ O)	7732-18-5	N/E	N/E
AMPS	15214-89-8	N/E	N/E

3. Hazard Identification

Avoid eye contact. Severe eye irritation, and possible risk of irreversible damage to the eye may occur after contact.
Avoid ingestion/inhalation.
Avoid contact with skin, mucous membrane and oral mucosa.

4. First Aid Measures

General information: Unknown.
After skin contact: Remove with copious amounts of water and paper towel. Consult a physician if irritation occurs.
After eye contact: Flush 15 min. with copious amounts of water, an ophthalmologist is needed. Rinse/flush with alkaline/saline solution under physician care.
After swallowing: Consult a physician immediately. Rinse oral cavity with water and exude or expectorate. Induce vomiting. Seek fresh air.
Prolonged contact: Eyes, corneal abrasions, skin-oral mucosa - sensitivity, burning sensation, lesions, inflammation and ulcerations.

5. Fire Fighting Measures

Extinguishing media: Carbon dioxide, dry chemical powder or appropriate foam.
Protective equipment: Wear self-contained breathing apparatus and protective clothing to prevent contact with skin and eyes.

6. Accidental Release Measures

Personal precautions: Protective gloves, goggles and others are recommended.
Environmental precautions: None known.
Methods for cleaning up: Collect by mechanical means after binding with absorbing material (saw dust/sand/vermiculite, soda ash, etc.) and dispose appropriately. Remove residues with paper towel.
Additional information: Unknown.

7. Handling and Storage

Store material below room temperature 36°F - 55°F (2°C - 12°C). Avoid oxidants, acids, alkalies, salt, metals, amines, peroxide catalysts; cap after usage.
Avoid skin, mucous membrane, oral mucosa and gingival (gum tissue) contact.
Avoid eye contact and ingestion.
Ventilation: Yes.
Local Exhaust: Yes.
Isolation: Goggles, gloves, intraoral rubber dam recommended. Use fresh brush tips for dispensing/application with each patient. Avoid cross contamination.



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8. Exposure Controls/Personal Protection

Personal protective equipment: Wear protective clothing, lab coat, goggles, face mask (inorganic) and gloves.
General measure of protection and hygiene: Normal hygienic measures.
Respiration: Unknown.
Hands: Protective gloves.
Eyes: OSHA approved goggles.

9. Physical and Chemical Properties

Appearance: Form: Water-like Liquid.
Color: Slight yellow.
Odor: Ester-like.
Information on change in the physical state
Melting point/melting range: Not applicable.
Boiling point/boiling range: Not applicable.
Flash point: Not applicable.
Autoignition temperature: Unknown.
Danger of explosion: Unlikely.
Density: about 1.0 g/cm³.
Vapor pressure: Not applicable.
Viscosity: Not applicable.
pH: About 1.5.
Solubility in/miscibility with:
Water: None.
Dissolve in water.
Content of solvents: ≥90%.
Organic solvents: ≥1%.
Water: >10%.
Content of solids: >1%.

10. Stability and Reactivity

Incompatibility with other substances: Strong bases, finely powdered metals.
Hazardous decomposition products: Smoke, carbon monoxide, and others.

11. Toxicological Information

Acute toxicity: May be harmful if absorbed through the skin, if swallowed.
Material is destructive to the mucous membranes, upper respiratory tract, eyes and skin.
TLV: Unknown.
Primary Routes of entry: Inhalation, skin, and eyes.

12. Ecological Information

General information: Data not available.
Classification of water endangerment: Unknown.

13. Disposal Considerations

Disposal consideration: Dispose in accordance with Federal, State, and local regulations.

14. Transport Information

Not classified as dangerous goods.

15. Regulatory information

Classification according to EEC guidelines: Unknown.
National Prescriptions: Unknown.
Classification according to VbF: Unknown.

16. Other Information

Revision Summary: Revised April 28, 2004:
Section 1: *Nano-Bond* is now Registered.

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