

**AMERICAN INTERNATIONAL INDUSTRIES**2220 GASPAR AVENUE
LOS ANGELES, CA 90040
CHEM-TEL: (800) 255-3924**MATERIAL SAFETY DATA SHEET****PRODUCT NAME:** IBD Bonder Gel**DATE:** 11/18/2005**ITEM:** 30-4890**REV.** NEW**Section 1. Material Identification and Information****Hazardous Ingredients:**

Component	CAS #	%	TOXICOLOGICAL DATA
Hydroxypropyl Methacrylate	27813-02-1	~30%	None Established
Neopentylglycol Propocylate Diacrylate	84170-74-1	~5%	None Established

Section 2. Physical / Chemical Characteristics

Boiling Point: Will polymerize before boiling. **Specific Gravity:** ~ 1.05
Vapor Pressure: < 1mmHg @ 70°F / 21°C (H₂O = 1)
(mm Hg and Temperature) **Melting Point:** N/A
Vapor Density: Not Available **Evaporation Rate:** N/A
(Air = 1) **Water Reactive:** No
Solubility in Water: Parially
Appearance: Colorless Liquid
Odor: Slightly Sweet Odor

Section 3. Fire and Explosion Hazard Data

Flash Point and Method Used: 228°F / 109°C (PMCC)
Auto-Ignition Temperature: N/A
Flammability Limits in Air % by Volume: **LEL:** N/A
UEL: N/A
Extinguisher Media: Water spray, carbon dioxide, and dry chemic
Special Fire Fighting Procedures: Cool exposed containers with water spray. Use self-contained breathing apparatus in confined areas.
Unusual Fire and Explosion Hazards: Product may polymerize at high temperatures. Polymerize may produce sufficient heat to cause thermal decomposition and/or rupture of containers. Thermal decomposition can lead to the evolution of irritant vapors or gases and/or fires.

Section 4. Reactivity Hazard Data

Stability: Stable Unstable
Conditions to Avoid: Heat, organic or inorganic free radical producing initiators, exposure to sunlight, ultraviolet light or ionizing radiation, trace metals, alkaline substances. Direct heat, chemical combination, sunlight, ultraviolet light or ionizing radiation. Do not exceed 60°C for limited periods if warming is required.

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Incompatibility (Materials to Avoid):

Primary and secondary amines, acids, alkalies, free radical producing initiators.

Hazardous Decomposition:

Carbon Dioxide, Carbon Monoxide

Hazardous Polymerization: May Occur Will Not Occur

Section 5. Health Hazard Data

Primary Routes of Entry: Inhalation Skin Absorption Ingestion Eye Contact**Carcinogen Listed In:** NTP IARC Monograph OSHA Not Listed**Health Hazards:**

Acute: May cause skin irritation on prolonged contact. Eye irritant. Ingestion may cause irritation to the mucous membranes of mouth, throat, and digestive tract.

Chronic: May cause sensitization on repeated skin contact.

Signs and Symptoms of Exposure:

Irritated skin and eyes. Reddening or swelling of affected area.

Medical Conditions Generally Aggravated by Exposure:

None known.

Emergency First Aid Procedures:Eye Contact: Flush with large amounts of water for at least 15 minutes holding lids apart. In case of irritation, consult a physician.
Skin Contact: Wash thoroughly with soap and water. Remove contaminated clothing and footwear. Get medical attention if irritation should develop.
Inhalation: Remove to fresh air and consult physician.
Ingestion: Do not induce vomiting. Immediately consult a physician.

Section 6. Control and Protective Measures

Respiratory Protections (Specific Type):

NIOSH / MSHA approved respirator in cases of high vapor concentration.

Protective Gloves: Impervious (butyl rubber, neoprene)**Eye Protection:** Chemical splash goggles.**Ventilation to be Used:** Local Exhaust Other (Specify)**Other Protective Clothing and Equipment:**

When handling larger quantities, apron and rubber boots.

Hygienic Work Practices:

Avoid contact with eyes, skin, and mucous membranes. Otherwise follow the standards of good industrial hygiene practice.

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Section 7. Precautions for Safe Handling and Use / Leak Procedures

Steps to be Taken if Material is Spilled or Released:

Stop leaks. Clean up large spills with vacuum truck. Soak up small spills with absorbent material. Wear adequate personal protective clothing and equipment.

Waste Disposal Methods:

Dispose in an approved chemical waste landfill or incinerate in accordance with applicable Federal, State, and Local regulations.

Precautions to be taken in Handling and Storing:

Store below 85°F in well ventilated area away from direct sunlight, initiators, oxidizing and/or reducing agents. Do not fill containers completely.

Other Precautions and/or Special Hazards:

After expiration of storage time spontaneous polymerization may occur.