

**AMERICAN INTERNATIONAL INDUSTRIES**2220 GASPAR AVENUE  
LOS ANGELES, CA 90040  
CHEM-TEL: (800) 255-3924**MATERIAL SAFETY DATA SHEET****PRODUCT NAME:** IBD Flex Powder - Translucent Pink**DATE:** 5/13/2004**FORMULA:** 30-0264**REV.** NEW**Section 1. Material Identification and Information****Hazardous Ingredients:**

Component	CAS #	%	TOXICOLOGICAL DATA
Acrylates Copolymer	25685-29-4	> 99%	OSHA TWA/STEL: 15 mg/m <sup>3</sup> ACGIH TWA/STEL: 10mg/m <sup>3</sup>
Benzoyl Peroxide	94-36-0	< 1%	OSHA TWA/STEL: 5 mg/m <sup>3</sup> ACGIH TWA/STEL: 5mg/m <sup>3</sup>

**Section 2. Physical / Chemical Characteristics**

<b>Boiling Point:</b>	N/A	<b>Specific Gravity:</b>	N/A
<b>Vapor Pressure:</b>	N/A	(H <sub>2</sub> O = 1)	
(mm Hg and Temperature)		<b>Melting Point:</b>	N/A
<b>Vapor Density:</b>	N/A	<b>Evaporation Rate:</b>	N/A
(Air = 1)		(Butyl Acetate = 1)	
<b>Solubility in Water:</b>	Insoluble	<b>Water Reactive:</b>	N/A
<b>Appearance:</b>	Fine Pink Powder	<b>pH:</b>	N/A
<b>Odor:</b>	Faint odor in bulk	<b>% Volatile:</b>	N/A

**Section 3. Fire and Explosion Hazard Data**

<b>Flash Point:</b>	580°F (Tag Closed cup)
<b>Auto-Ignition Temperature:</b>	N/A
<b>Flammability Limits in Air % by Volume:</b>	<b>LEL:</b> N/A <b>UEL:</b> N/A
<b>Extinguisher Media:</b>	Water, carbon dioxide, or dry chemical.
<b>Fire Fighting Procedures:</b>	Avoid extinguishing methods that generate dust clouds. Water streams can disperse dust into air, producing a fire hazard and possible explosion hazard. Fire-fighters should wear self-contained breathing apparatus.
<b>Unusual Fire and Explosion Hazards:</b>	Polymer dust is combustible, explosive limits of the polymer particles suspended in air are approximately those of coal dust.

**Section 4. Reactivity Hazard Data****Stability:**  Stable  Unstable

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**Conditions to Avoid:** Heating above 240°C / 464°F**Incompatibility (Materials to Avoid):**

Strong oxidizing agents.

**Hazardous Decomposition:**

Methacrylate monomers.

**Hazardous Polymerization:** May Occur                       Will Not Occur**Section 5. Health Hazard Data****Emergency Overview:**

- May cause allergic skin reaction.
- May cause eye irritation.
- Dust may cause irritation of the nose, throat, and lungs.
- This product may contain particulate, not otherwise classified (Nuisance Dust)

**Primary Routes of Entry:** Inhalation                       Skin Absorption                       Ingestion                       Eye Contact**Potential Health Effects, Signs, and Symptoms of Exposure:**

Eye Contact: Higher concentration can irritate eyes. May cause eye irritation or damage.

Skin Contact: Repeated or prolonged exposure may cause allergic skin rashes.

Inhalation: Possible temporary discomfort due to inhalation of dust concentration above the permissible exposure limit. Dust may cause irritation of the nose, throat, and lungs.

Sub-Chronic Effects: For polymer: OSHA classifies this material as Particulates, Not Otherwise Classified. Eyes, skin, and respiratory tract may be irritated by gross overexposure to Particulates, Not Otherwise Classified, no matter how they are generated. Avoid inhalation of dust. Keep dust out of eyes to prevent possible irritation.

For decomposition product: Methyl Methacrylate Monomer; Liquid or high vapor concentration can irritate eyes, respiratory system and cause skin rashes. Prolonged exposure can lead to headaches, nausea, staggering gait, confusion, drowsiness, and unconsciousness. Repeated and prolonged over exposure may cause permanent brain and nervous system damage, allergic skin rashes, eye corrosion, and permanent injury, as well as changes in liver and kidney function or damage.

For Benzoyl Peroxide: Repeated or prolonged contact may cause skin sensitization.

NOTE: Refer to Section 8, Toxicological Information for Details.

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**Emergency First Aid Procedures:**

Eye Contact: Flush with water for 15 minutes, including under eyelids. Get medical help if discomfort persists.

Skin Contact: Wash with soap and water. Get medical help if discomfort persists.

Ingestion: Rise mouth out with water. Call doctor if amount was large.

Inhalation: Remove to fresh air. Get medical help if discomfort persists.

### Section 6. Control and Protective Measures

**Engineering Controls:**

Use good local exhaust at processing equipment, including buffers, sanders, grinders and polishers. High temperature processing equipment should be well ventilated. Use explosion-proof equipment. Provide ventilation if necessary to control exposure levels below airborne exposure limits.

**General:** Dust collectors are recommended for handling powder in bulk.

**Respiratory Protections:**

Avoid breathing dust and mist. Use dust mask.

**Eye/Face Protection:** Use safety glasses and have eye flushing equipment immediately available.

**Skin Protection:** Minimize contamination by following good industrial practice. Wear nitrile, neoprene, pick, latex, or other impermeable gloves is recommended.

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

**Steps to be Taken if Material is Spilled or Released:**

Sweep up to avoid slipping hazard. Keep airborne particulates at a minimum when cleaning up spills.

**Handling:** Observe precautions found on the label. Wash face and hands thoroughly with soap and water after handling and before eating, drinking, or smoking. Avoid prolonged or repeated contact with skin. Avoid contamination. Use only with adequate ventilation.

**Storage:** Store in cool, dry place away from heat, sparks, flame, and direct sunlight. Close container after each use. Ground all metal containers when transferring. Use explosion-proof equipment. Store away from combustibles and incompatible materials.

**Other Precautions and/or Special Hazards:**

Polymer dust is combustible, explosive limits of the polymer particles suspended in air are approximately those of coal dust.

### Section 8. Toxicological Information

**Acute Oral Toxicity:** Oral (Rat) LD<sub>50</sub>: 7990 mg/kg

**Acute Dermal Toxicity:** Dermal (Rabbit) LD<sub>50</sub>: > 35,000 mg/kg

**Acute Inhalation Toxicity:** Inhalation (Rabbit) LD<sub>50</sub>: 12,500 to 16,500 ppm for 0.5 hours

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<b>Irritation – Skin:</b>	mild
<b>Irritation – Eye:</b>	mild
<b>Sensitization</b>	No Data Available
<b>Mutagenicity:</b>	None
<b>Sub-Chronic Toxicity:</b>	None

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**Section 9. Ecological Information**

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**Ecotoxicological Information**

<b>Acute Toxicity to Fish:</b>	Flathead minnows and goldfish TLm24: 420 ppm Bluegrills TLm24: 368 ppm
<b>Acute Toxicity to Invertebrates:</b>	No Data Available
<b>Acute Toxicity to Algae:</b>	No Data Available
<b>Bioconcentration:</b>	No Data Available
<b>Toxicity to Sewage Bacteria:</b>	No Data Available

**Chemical Fate Information:**

<b>Biodegradability:</b>	No Data Available
<b>Chemical Oxygen Demand:</b>	No Data Available

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**Section 10. Disposable Concentrations**

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May be disposed of in a landfill or incinerated. Follow Federal, State, and Local regulations for disposal.

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**Section 11. Transport Information**

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DOT/ UN Shipping Name: Non-hazardous, not regulated.

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**Section 12. Regulatory Information**

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**US Federal Regulations****Clean Air Act HAP/ODS:**

This product contains no hazardous air pollutants (HAP) or ODS's, as defined by the US Clean Air Act.

**Clean Water Act Priority Pollutant:**

This product contains no chemicals listed under the US Clean Water Act Priority Pollutant List.

**FDA: Food Packaging Status:**

This product has not been cleared by the FDA for use in food packaging and/or other applications as an indirect food packaging additive.

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## Occupational Safety and Health Act:

This product is considered to be hazardous under the OSHA Hazard Communication Standard. It's hazards are: Immediate (acute) health hazard, reactive hazard, fire hazard.

## RCRA:

This product contains no chemicals considered to be hazardous waste under RCRA (40 CFR 261).

## SARA Title III: Section 302

This product contains no chemicals regulated under Section 302 as extremely hazardous substances.

## SARA Title III: Section 304:

This product contains no chemicals regulated under Section 304 as extremely hazardous chemicals for emergency release notification ("CERCLA" List).

## SARA Title III: Section 311-312:

This product is considered to be hazardous under the OSHA Hazard Communication Standard and is regulated under Section 311-312 (40 CFR 370 ).

Is hazards are: None

Immediate (acute) health hazard: None

Reactive Hazard: None

Fire hazard: None

## SARA Title III: Section 313:

This product contains the following chemicals outlined in SARA Title III: Section 313: Benzoyl Peroxide CAS # 94-36-0.

## TSCA Section 8(b):

This product contains the following chemicals listed on the TSCA inventory or other wise complies with TSCA premanufacture notification requirements.

**State Regulations**

## CA Right-to-Know Law:

Benzoyl Peroxide CAS # 94-36-0

## MA Right-to-Know Law:

Benzoyl Peroxide CAS # 94-36-0

## NJ Right-to-Know Law:

Benzoyl Peroxide CAS # 94-36-0

## PA Right-to-Know Law:

Benzoyl Peroxide CAS # 94-36-0

## FL Right-to-Know Law:

Benzoyl Peroxide CAS # 94-36-0

## MN Right-to-Know Law:

Benzoyl Peroxide CAS # 94-36-0

**International Regulations**

## CDSL: Canadian Inventory (on Canadian Transitional List):

Benzoyl Peroxide CAS # 94-36-0 is on the DSL list. WHMIS = C, D2B, B4

## EINECS: European Inventory:

Benzoyl Peroxide CAS # 94-36-0: Hazard Symbol (Cl E), R Values (R2, R36, R43), S Values (S3, S7, S14, S36/37/39)

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### **Section 13. Other Information**

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**Hazard Rating System:**

NFPA: Health = 1/Flammability = 1/Reactivity = 1

HMIS: Health = 1/Flammability = 1/Reactivity = 1