

**SECTION 1 – CHEMICAL PRODUCT AND COMPANY NAME IDENTIFICATION**

CRAZY CHAMELEON  
56 ELM STREET  
PITTSFIELD, MA 01201  
PRODUCT NAME: BMX1000 PHOTONIC MARKING FORMULATION  
CHEMICAL NAME: Polymethylmethacrylate Microsphere Suspension in D-ionized Water

COMPANY PHONE: 413-442-7723  
TOLL-FREE COMPANY PHONE: 877-442-7723  
24-HOUR EMERGENCY PHONE: 800-535-5053  
MSDS NO: 299

**SECTION 2 – COMPOSITION INFORMATION ON INGREDIENTS**

| <u>HAZARDOUS COMPONENTS</u>   | <u>CAS NUMBER</u> | <u>PEL</u> | <u>TLV</u> | <u>%w</u> |
|-------------------------------|-------------------|------------|------------|-----------|
| Polymethylmethacrylate (PMMA) | 9011-14-7         |            |            | 97.5      |
| Propriety Fluorescent Dye     |                   |            |            | 2.5       |

**SECTION 3 – HAZARDS IDENTIFICATION****EMERGENCY OVERVIEW:****POTENTIAL HEALTH EFFECTS**

EYES: Can cause irritation due to physical contact.  
SKIN: Practically negligible or none.  
INHALATION: Dry powder form inhalation of material can cause coughing.  
INGESTION: Practically negligible or none

**CHRONIC EFFECTS:****SIGNS & SYMPTOMS**

CARCINOGENECITY:  NTP?  IARC MONOGRAPHS?  OSHA?

**SECTION 4 – FIRST-AID MEASURES**

INHALATION: Although no adverse effects anticipated by breathing during proper handling, if breathing difficult give oxygen and get medical attention  
EYES: Immediately flush eyes with flowing water for 15 minutes. If redness, itching or a burning sensation develops, get medical attention.  
SKIN: Normally no treatment required. Wash material off with water.  
INGESTION: Normally no treatment required. Wash material off with water.  
NOTE TO PHYSICIANS:

**SECTION 5 – FIRE-FIGHTING MEASURES**

FLASH POINT (TCC): None FLAMMABLE LIMIT (air, % by vol.) UPPER: NA LOWER: NA  
FLAMMABILITY CLASSIFICATION (CFR 1910.1200)  
EXTINGUISHING MEDIA: Water fog, foam, dry chemical or carbon dioxide.  
FIRE EXTINGUISHING INSTRUCTIONS: During emergency conditions, to prevent overexposure to thermal decomposition products, self-contained breathing apparatus should be worn.  
USUAL FIRE & EXPLOSION HAZARDS:  
HAZARDOUS COMBUSTION PRODUCTS: Toxic gases such as carbon monoxide may be released in a fire.

**SECTION 6 – ACCIDENTAL RELEASE MEASURES**

In case material is released or spilled, mop up, place in appropriate container and hold for waste disposal.

**SECTION 7 – HANDLING AND STORAGE**

HANDLING: Observe normal warehouse handling procedures  
STORAGE: Store in cool, dry, and dark place. Store away from other materials which may cause cross-contamination.

**SECTION 8 – EXPOSURE CONTROLS/PERSONAL PROTECTION**

ENGINEERING CONTROLS: Eye wash station near work area.  
EYE/FACE PROTECTION: Use safety glasses.  
SKIN PROTECTION: None normally needed.  
RESPIRATORY PROTECTION: None normally needed.

**SECTION 9 – PHYSICAL AND CHEMICAL PROPERTIES**

APPEARANCE AND ODOR: Aqueous suspension of intense red, pink, orange and other colors including opaque white.  
BOILING POINT: NA  
VAPOR PRESSURE: NA  
VAPOR DENSITY (Air=1): NA  
SOLUBILITY: NIL  
SPECIFIC GRAVITY (H<sub>2</sub>O=1): 1.96  
PERCENT VOLATILES: NA  
EVAPORATE RATE (Butyl Acetate = 1): NA  
PH:

**SECTION 10 – STABILITY AND REACTIVITY**

STABILITY: Stable under normal conditions. HAZARDOUS POLYMERIZATION: Will not occur.  
CONDITIONS TO AVOID:  
INCOMPATIBILITY (Materials to avoid): None  
HAZARDOUS DECOMPOSITION PRODUCTS:

**SECTION 11 – TOXICOLOGICAL INFORMATION****SECTION 12 – ECOLOGICAL INFORMATION****SECTION 13 – DISPOSABLE CONSIDERATIONS**

Waste must be disposed of in accordance with federal, state, and local environmental control regulations.

**SECTION 14 – TRANSPORT INFORMATION (not meant to be all-inclusive)**

PROPER SHIPPING NAME: Non-hazardous  
DOT HAZARD LABEL: UN/NA NUMBER:

**SECTION 15 – REGULATORY INFORMATION (not meant to be all-inclusive)****SECTION 16 – OTHER INFORMATION**

NFPA CODES: HEALTH: FLAMMABILITY- REACTIVITY-  
WORK/HYGENIC PRACTICES: Wash hands before eating, drinking, or smoking.

Ingredients: (PMMA) Polymethylmethacrylate 97.5% and microspheres of fluorescent dye 2.5% suspended in UV sterilized, distilled water with no preservatives or other additives.

DATE PREPARED: 10/25/02

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