# MATERIAL SAFETY DATA SHEET

**Prepared to OSHA, ACC, ANSI, WHMIS & 2001/58 EC Standards**

**MSDS Revision:** 1.2  
**MSDS Revision Date:** 08/15/2004

## 1. PRODUCT IDENTIFICATION

### 1.1 Product Name:

**METRO METAL POWDERS**

### 1.2 Chemical Name:

**POLY (ETHYL/METHYL) METHACRYLATE COPOLYMER**

### 1.3 Synonyms:

NA

### 1.4 Trade Names:

CITY OF ANGELS (COPPER), CITY OF LIGHTS (SILVER), CITY OF PEACE (WHITE), SIN CITY (BLACK), GOLDEN CITY (GOLD), MELTING POT (BROWN)

### 1.5 Product Use:

PROFESSIONAL OR SUNDRY USE ONLY

### 1.6 Manufacturer's Name:

CREATIVE NAIL DESIGN, INC.

### 1.7 Manufacturer's Address:

1125 JOSHUA WAY VISTA, CA USA 92081

### 1.8 Emergency Phone:

ROCKY MOUNTAIN POISON CONTROL CENTER: 303-623-5716

### 1.9 Business Phone:

800-833-NAIL (6245), 760-599-2900

## 2. COMPOSITION & INGREDIENT INFORMATION

### 2.1 EXPOSURE LIMITS IN AIR (mg/m³)

<table>
<thead>
<tr>
<th>CHEMICAL NAME(S)</th>
<th>CAS No.</th>
<th>RTECS No.</th>
<th>EINECS No.</th>
<th>%</th>
<th>TLV ppm</th>
<th>STEL ppm</th>
<th>PEL ppm</th>
<th>STEL ppm</th>
<th>IDLH ppm</th>
</tr>
</thead>
<tbody>
<tr>
<td>POLYETHYLMETHYL METHACRYLATE</td>
<td>9003-42-3</td>
<td>NA</td>
<td>NA</td>
<td>≤ 45.0</td>
<td>NE</td>
<td>NE</td>
<td>NE</td>
<td>NE</td>
<td>NE</td>
</tr>
<tr>
<td>METHACRYLATE COPOLYMER</td>
<td>NA</td>
<td>NA</td>
<td>NA</td>
<td>≤ 45.0</td>
<td>NE</td>
<td>NE</td>
<td>NE</td>
<td>NE</td>
<td>NE</td>
</tr>
<tr>
<td>BENZOYL PEROXIDE</td>
<td>94-36-0</td>
<td>DM8575000</td>
<td>202-327-6</td>
<td>≤ 1.0</td>
<td>(5)</td>
<td>NE</td>
<td>(5)</td>
<td>NE</td>
<td>NE</td>
</tr>
</tbody>
</table>

### 2.2 ADDITIONAL INGREDIENTS:

#### CITY OF ANGELS (COPPER):
- POLYETHYLENE TEREPHTHALATE 25038-59-9 TR2725000 NA ≤ 15.0 NE NE NE NE NE (5) AEI* 

#### CITY OF LIGHTS (SILVER):
- POLYETHYLENE TEREPHTHALATE 25038-59-9 TR2725000 NA ≤ 15.0 NE NE NE NE NE (5) AEI* 

#### CITY OF PEACE (WHITE):
- MICA 12001-26-2 NA 310-127-6 ≤ 15.0 (3) NA (3) NA NA DUST 
- TITANIUM DIOXIDE 13463-67-7 XR2275000 236-675-5 ≤ 2.0 (10) NA (15) NA NA DUST 
- BORON NITRITE 10043-11-5 ED7800000 233-136-6 ≤ 2.0 (5) NA (10) NA NA DUST 

#### SIN CITY (BLACK):
- POLYETHYLENE TEREPHTHALATE 25038-59-9 TR2725000 NA ≤ 10.0 NE NE NE NE NE (5) AEI* 
- COLORANT CI 77499 1309-74-1 NA 215-168-2 ≤ 10.0 NE NE NE NE NE 

#### THE MELTING POT (BROWN):
- POLYETHYLENE TEREPHTHALATE 25038-59-9 TR2725000 NA ≤ 10.0 NE NE NE NE NE (5) AEI* 
- MICA 12001-26-2 NA 310-127-6 ≤ 10.0 (3) NA (3) NA NA DUST 
- COLORANT CI 77499 1309-37-1 NA 215-168-2 ≤ 5.0 NE NE NE NE NE 

### OTHER COMPONENTS PRESENT IN LESS THAN 1% CONCENTRATION BAL THE REMAINING COMPONENTS DO NOT CONTRIBUTE ANY SIGNIFICANT ADDITIONAL HAZARDS

* DuPont Chemical Company

NA = Not Available; ND = Not Determined; NE = Not Established; C = Ceiling Limit; See Section 16 for Additional Definitions of Terms Used

NOTE: all WHMIS required information is included. It is located in appropriate sections based on the ANSI Z400.1-2003 format.
3. HAZARD IDENTIFICATION

3.1 Hazard Identification:
Allergic contact dermatitis is possible with prolonged or repeated contact. The product is a fine powder, and may cause a slipping and falling hazard if spilled.

3.2 Routes of Entry:

<table>
<thead>
<tr>
<th>Inhalation</th>
<th>YES</th>
<th>Absorption</th>
<th>NO</th>
<th>Ingestion</th>
<th>YES</th>
</tr>
</thead>
</table>

3.3 Effects of Exposure:

| EYES:      | Possible irritation from dust. |
| SKIN:      | Irritation. Allergic contact dermatitis is possible with prolonged or repeated contact. |
| INGESTION: | No exposure effects are reported. |
| INHALATION:| Considered a nuisance dust. May cause irritation of the mouth, nose, throat, and lungs. |

3.4 Symptoms of Overexposure:

| EYES:      | Redness & watering. |
| SKIN:      | Redness, itching, drying of skin. |
| INGESTION: | No symptoms are expected. |
| INHALATION:| Upper respiratory irritation, including coughing & sneezing. |

3.5 Acute Health Effects:

| EYES:      | Possible irritation from dust. |
| SKIN:      | Irritation. Allergic contact dermatitis is possible with prolonged or repeated contact. |
| INGESTION: | No exposure effects are reported. |
| INHALATION:| Considered a nuisance dust. May cause irritation of the mouth, nose, throat, and lungs. |

3.6 Chronic Health Effects:

| EYES:      | Possible irritation from dust. |
| SKIN:      | Irritation. Allergic contact dermatitis is possible with prolonged or repeated contact. |
| INGESTION: | No exposure effects are reported. |
| INHALATION:| Considered a nuisance dust. May cause irritation of the mouth, nose, throat, and lungs. |

3.7 Target Organs:
Eyes, skin and respiratory system.

4. FIRST AID MEASURES

4.1 First Aid:

| EYES:      | Flush eyes thoroughly with copious amounts of water for at least 15 minutes, holding eyelid(s) open to ensure complete flushing. If irritation persists, seek immediate medical attention. |
| SKIN:      | Remove contaminated clothing and wash affected areas with soap and water. Wash all contaminated clothing thoroughly before reuse. If irritation persists, seek prompt medical attention. |
| INGESTION: | DO NOT INDUCE VOMITING. Contact Rocky Mountain Poison Control at 303-623-5716 or the nearest Poison Control Center or local emergency telephone number for assistance and instructions. Seek immediate medical attention. If vomiting occurs spontaneously, keep victim’s head lowered (forward) to reduce the risk of aspiration. |
| INHALATION:| Remove victim to fresh air at once. If breathing stops, perform artificial respiration. Seek prompt medical attention if adverse effects continue. |

4.2 Medical Conditions Aggravated by Exposure:
Preclude from exposure those individuals that are susceptible to dermatitis, asthma or bronchitis.
5. FIREFIGHTING MEASURES

5.1 Flashpoint & Method:
579 °F (304 °C) TCC

5.2 Autoignition Temperature:
NA

5.3 Flammability Limits:
Lower Explosive Limit (LEL): NA
Upper Explosive Limit (UEL): NA

5.4 Fire & Explosion Hazards:
Keep away from excessive heat, open flames, sparks, and other possible sources of ignition.

5.5 Extinguishing Methods:
Carbon dioxide, dry chemical & water spray.

5.6 Firefighting Procedures:
Keep containers cool until well after the fire is out. Prevent runoff from fire control or dilution from entering sewers, drains, drinking water supply, or any natural waterway. Firefighters should wear full face, self-contained breathing apparatus (MSHA/NIOSH approved or the equivalent) and impervious protective clothing.

6. ACCIDENTAL RELEASE MEASURES

6.1 Spills:
Before cleaning any spill or leak, individuals involved in spill cleanup must wear appropriate Personal Protective Equipment. For small spills (e.g., <1 gallon) wear appropriate personal protective equipment (e.g., goggles, gloves). Maximize ventilation (open doors and windows). Remove spilled material with broom, vacuum or wet sponge. Dispose of properly in accordance with local, state and federal regulations. Wash all affected areas and outside of container with plenty of warm water and soap. Remove any contaminated clothing and wash thoroughly before reuse.

For spills ≥ 1 gallon, deny entry to all unprotected individuals. Remove spilled material with broom, vacuum (with high-efficiency particulate filter) or wet mops. Transfer product to containers for recovery or disposal. Remove contaminated clothing promptly and wash affected skin areas with soap and water. Keep spills and cleaning runoffs out of municipal sewers and open bodies of water.

7. HANDLING & STORAGE INFORMATION

7.1 Work & Hygiene Practices:
Use eye protection when using this product. Wash hands thoroughly after using this product and before eating, drinking, or smoking.

7.2 Storage & Handling:
Use and store in a cool, dry, well-ventilated location (e.g., local exhaust ventilation, fans). Keep away from excessive heat, open flames, sparks, and other possible sources of ignition. Do not store in damaged or unmarked containers or storage devices. Keep containers securely closed when not in use.

7.3 Special Precautions:
Empty containers may retain residual amounts of product. Readily available emergency fire, first aid, and spill response equipment and/or measures are recommended. The product is a fine powder, and may cause a slipping and falling hazard if spilled. Spilled product should be swept or vacuumed up immediately to prevent falls.

8. EXPOSURE CONTROLS & PERSONAL PROTECTION

8.1 Ventilation & Engineering Controls:
General mechanical ventilation (e.g., fans) and local exhaust ventilation is recommended for use with this product.

8.2 Respiratory Protection:
Respirators are not required for use with this product. However, this product is a nuisance dust hazard. Product may cause irritation of the mouth, nose, throat, and lungs. Accordingly, a dust mask is suggested. A respiratory protection program that meets OSHA’s 29 CFR §1910.134 and ANSI Z88.2 requirements must be followed whenever a respirator is used.

8.3 Eye Protection:
As a minimum, safety glasses with side shields should be used when using this product.

8.4 Hand Protection:
None required under normal conditions of use. However, may cause skin irritation in some sensitive individuals. When handling large quantities (e.g., ≥ 1 gallon), wear rubber or impervious plastic gloves.

8.5 Body Protection:
No apron required when handling small quantities. When handling large quantities (e.g., ≥ 1 gallon), eye wash stations and deluge showers should be available. Upon completion of work activities involving large quantities of this product, wash any exposed areas thoroughly with soap and water.
### 9. PHYSICAL & CHEMICAL PROPERTIES

<table>
<thead>
<tr>
<th>Property</th>
<th>Value</th>
</tr>
</thead>
<tbody>
<tr>
<td>Density</td>
<td>NA</td>
</tr>
<tr>
<td>Boiling Point</td>
<td>NA</td>
</tr>
<tr>
<td>Melting Point</td>
<td>Approximately 200°C</td>
</tr>
<tr>
<td>Evaporation Rate</td>
<td>NA</td>
</tr>
<tr>
<td>Vapor Pressure</td>
<td>NA</td>
</tr>
<tr>
<td>Molecular Weight</td>
<td>NA</td>
</tr>
<tr>
<td>Appearance &amp; Color</td>
<td>Metallic and colored powder with faint bland odor.</td>
</tr>
<tr>
<td>Odor Threshold</td>
<td>ND</td>
</tr>
<tr>
<td>Solubility</td>
<td>Insoluble</td>
</tr>
<tr>
<td>pH</td>
<td>NA</td>
</tr>
<tr>
<td>Viscosity</td>
<td>NA</td>
</tr>
<tr>
<td>Other Information</td>
<td>NA</td>
</tr>
</tbody>
</table>

### 10. STABILITY & REACTIVITY

<table>
<thead>
<tr>
<th>Property</th>
<th>Value</th>
</tr>
</thead>
<tbody>
<tr>
<td>Stability</td>
<td>Stable under normal conditions of use (see section 7).</td>
</tr>
<tr>
<td>Hazardous Polymerization</td>
<td>Will not occur.</td>
</tr>
<tr>
<td>Conditions to Avoid</td>
<td>Open flames, sparks, high heat (120°F) or other ignition sources, and proximity to incompatible substances.</td>
</tr>
<tr>
<td>Incompatible Substances</td>
<td>ND</td>
</tr>
</tbody>
</table>

### 11. TOXICOLOGICAL INFORMATION

<table>
<thead>
<tr>
<th>Property</th>
<th>Value</th>
</tr>
</thead>
<tbody>
<tr>
<td>Toxicity Data</td>
<td>This product has not been tested on animals to obtain toxicological data. There are toxicology data for the components of this product, which are found in the scientific literature. These data have not been presented in this document.</td>
</tr>
<tr>
<td>Acute Toxicity</td>
<td>See section 3.5</td>
</tr>
<tr>
<td>Chronic Toxicity</td>
<td>See section 3.6</td>
</tr>
<tr>
<td>Suspected Carcinogen</td>
<td>NE</td>
</tr>
<tr>
<td>Reproductive Toxicity</td>
<td>This product is not reported to produce reproductive toxicity in humans</td>
</tr>
<tr>
<td>Mutagenicity</td>
<td>This product is not reported to produce mutagenic effects in humans.</td>
</tr>
<tr>
<td>Embryotoxicity</td>
<td>This product is not reported to produce embryotoxic effects in humans.</td>
</tr>
<tr>
<td>Teratogenicity</td>
<td>This product is not reported to produce teratogenic effects in humans.</td>
</tr>
<tr>
<td>Reproductive Toxicity</td>
<td>This product is not reported to produce reproductive effects in humans.</td>
</tr>
<tr>
<td>Infancy of Product</td>
<td>See Section 3.3</td>
</tr>
<tr>
<td>Biological Exposure Indices</td>
<td>NE</td>
</tr>
<tr>
<td>Physician Recommendations</td>
<td>Treat symptomatically.</td>
</tr>
</tbody>
</table>

### 12. ECOLOGICAL INFORMATION

<table>
<thead>
<tr>
<th>Property</th>
<th>Value</th>
</tr>
</thead>
<tbody>
<tr>
<td>Environmental Stability</td>
<td>This product will slowly volatilize from soil. Components of this product will slowly decompose into organic compounds.</td>
</tr>
<tr>
<td>Effects on Plants &amp; Animals</td>
<td>There is no specific data available for this product.</td>
</tr>
<tr>
<td>Effects on Aquatic Life</td>
<td>There is no specific data available for this product.</td>
</tr>
</tbody>
</table>
13. DISPOSAL CONSIDERATIONS

13.1 Waste Disposal:
Dispose in accordance with all federal, state, and local regulations.

13.2 Special Considerations:
If the material is unsuitable for recycling or reclamation, enclosed-controlled incineration is recommended unless otherwise prohibited by local ordinance.

14. TRANSPORTATION INFORMATION

The basic description (proper shipping name, hazard class & division, ID Number, packing group) is shown for each mode of transportation. Additional descriptive information may be required by 49 CFR, IATA/ICAO, IMDG and the CTDGR.

14.1 49 CFR (GND):
NOT REGULATED

14.2 IATA (AIR):
NOT REGULATED

14.3 IMDG (OCN):
NOT REGULATED

14.4 TDGR (Canadian GND):
NOT REGULATED

14.5 ADR/RID (EU):
NOT REGULATED

15. REGULATORY INFORMATION

15.1 SARA Reporting Requirements:
This product does not contain any substances with SARA reporting requirements.

15.2 SARA Threshold Planning Quantity:
This product does not contain any substances with a SARA threshold planning quantity.

15.3 TSCA Inventory Status:
All chemical substances of this product are listed on the TSCA inventory or are otherwise exempt from inventory status.

15.4 CERCLA Reportable Quantity (RQ):
This product does not contain any substances with a CERCLA reportable quantity.

15.5 Other Federal Requirements:
This product complies with the appropriate sections of the Food and Drug Administration’s 21 CFR Subchapter G, (Cosmetics).

15.6 Other Canadian Regulations:
This product has been classified according to the hazard criteria of the CPR and the MSDS contains all of the information required by the CPR. The components of this product are listed on the DSL/NDSL. None of the components of this product are listed on the Priorities Substances List.

15.7 State Regulatory Information:
No component if this mixture is listed in the California Proposition 65 Lists.

15.8 67/548/EEC (European Union) Requirements:
The primary component of this product is not listed in Annex I of EU Directive 67/548/EEC.
### 16. OTHER INFORMATION

#### 16.1 Other Information:
Precisely follow directions and MSDS (available through your supplier) for use. **Avoid skin and eye contact. Keep out of reach of children.** If redness or other signs of adverse reaction occur, discontinue use immediately and thoroughly rinse affected area.

#### 16.2 Terms & Definitions:
See page 7 of this MSDS.

#### 16.3 Disclaimer:
This Material Safety Data Sheet is offered pursuant to OSHA’s Hazard Communication Standard, 29 CFR §1910.1200. Other government regulations must be reviewed for applicability to this product. To the best of ShipMate’s & Creative Nail Design’s knowledge, the information contained herein is reliable and accurate as of this date; however, accuracy, suitability or completeness are not guaranteed and no warranties of any type, either expressed or implied, are provided. The information contained herein relates only to the specific product(s). If this product(s) is combined with other materials, all component properties must be considered. Data may be changed from time to time. Be sure to consult the latest edition.

#### 16.4 Prepared for:
Creative Nail Design, Inc.
1125 Joshua Way
Vista, CA 92081
800-833-NAIL (6245) phone
760-599-4005 fax
http://www.creativenaildesign.com/

#### 16.5 Prepared by:
ShipMate, Inc.
18436 Hawthorne Blvd., Suite 201
Torrance, CA 90504
310-370-3600 phone
310-370-5700 fax
http://www.shipmate.com/
A large number of abbreviations and acronyms appear on a MSDS. Some of these that are commonly used include the following:

**GENERAL INFORMATION:**
- **CAS No.** Chemical Abstract Service Number

**EXPOSURE LIMITS IN AIR:**
- ACGIH American Conference on Governmental Industrial Hygienists
- OSHA U.S. Occupational Safety and Health Administration
- TLV Threshold Limit Value
- PEL Permissible Exposure Limit
- IDLH Immediately Dangerous to Life and Health

**FIRST AID MEASURES:**
- CPR Cardiopulmonary resuscitation - method in which a person whose heart has stopped receives manual chest compressions and breathing to circulate blood and provide oxygen to the body.

**HAZARDOUS MATERIALS IDENTIFICATION SYSTEM: HMIS**

**HEALTH, FLAMMABILITY & REACTIVITY RATINGS:**
- 0 Minimal Hazard
- 1 Slight Hazard
- 2 Moderate Hazard
- 3 Severe Hazard
- 4 Extreme Hazard

**PERSONAL PROTECTION RATINGS:**
- A Safety Glasses
- B Splash Goggles
- C Face Shield & Eye Protection
- D Gloves
- E Dust Respirator
- F Synthetic Apron
- G Full Suit
- H Full Face Respirator
- I Airline Hood/Mask or SCBA
- J Dust & Vapor Respirator
- K Airline Hood/Mask
- L Consult your supervisor or S.O.P. for special handling directions.

**REACTIVITY**
- Acids
- Alkaline
- Corrosive
- Explosives
- Flammables
- Oxidizing

**EC INFORMATION:**
- C Combustible
- E Explosive
- F Flammable
- N Harmful
- O Oxidizing
- T+ Toxics
- Xi Irritant
- Xn Harmful

**TOXICOLOGICAL INFORMATION:**
- LD₅₀ Lethal Dose (solids & liquids) which kills 50% of the exposed animals
- LC₅₀ Lethal concentration (gases) which kills 50% of the exposed animal
- ppm Concentration expressed in parts of material per million parts
- TD₅₀ Lowest dose to cause a symptom
- TC₅₀ Lowest concentration to cause a symptom
- TD₆₀, LD₆₀, LC₆₀, TC₆₀, Lₚ₅₀ Lowest dose (or concentration) to cause lethal or toxic effects
- IARC International Agency for Research on Cancer
- NTP National Toxicology Program
- RECS Registry of Toxic Effects of Chemical Substances
- BCF Bioconcentration Factor
- Tₘₖ Median threshold limit
- log Kₚₖ or log Kₜₖ Coefficient of Oil/Water Distribution

**REGULATORY INFORMATION:**
- WHMIS Canadian Workplace Hazardous Materials Information System
- DOT U.S. Department of Transportation
- TC Transport Canada
- EPA U.S. Environmental Protection Agency
- DSL Canadian Domestic Substance List
- NDSL Canadian Non-Domestic Substance List
- PSL Canadian Priority Substances List
- TSCL U.S. Toxic Substance Control Act
- CPR Canadian Controlled Product Regulations