



# MATERIAL SAFETY DATA SHEET

Prepared to OSHA, ACC, ANSI and WHMIS Standards

MSDS Revision Date 11/01/2002

## 1. PRODUCT IDENTIFICATION

1.1	Product Name: <b>PERFECT COLOR POWDERS/SOLARNAIL POWDERS/ULTRA POWDERS</b>
1.2	Chemical Name: <b>POLY (ETHYL/METHYL) METHACRYLATE COPOLYMER</b>
1.3	Synonyms:
1.4	Trade Names:
1.5	Product Use: <b>PROFESSIONAL OR SUNDRY USE ONLY</b>
1.6	Manufacturer's Name: <b>CREATIVE NAIL DESIGN, INC.</b>
1.7	Manufacturer's Address: <b>1125 JOSHUA WAY, VISTA, CA 92083</b>
1.8	Emergency Phone: <b>ROCKY MOUNTAIN POISON CONTROL CENTER: 1-303-623-5716</b>
1.9	Business Phone: <b>1-800-833-NAIL (6245)</b>

## 2. COMPOSITION & INGREDIENT INFORMATION

CHEMICAL NAME(S)	CAS NO.	%	EXPOSURE LIMITS IN AIR					OTHER
			ACGIH		OSHA			
			TLV ppm	STEL ppm	PEL ppm	STEL ppm	IDLH ppm	
POLY (ETHYL/METHYL) METHACRYLATE COPOLYMER	NA	> 97.0	NE	NE	NE	NE	NE	NA
BENZOYL PEROXIDE	96-48-0	< 3.0	5 mg/m3	NE	5 mg/m3	NE	NE	NA

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 Z400.1-1998 format.



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## 3. HAZARD IDENTIFICATION

3.1	Hazard Identification: <b>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.</b>						
3.2	Routes of Entry:	Inhalation:	<b>YES</b>	Absorption:	<b>NO</b>	Ingestion:	<b>YES</b>
3.3	Effects of Exposure: <b>EYES: Possible irritation from dust.</b> <b>SKIN: Irritation. Allergic contact dermatitis is possible with prolonged or repeated contact.</b> <b>INGESTION: No exposure effects are reported.</b> <b>INHALATION: Considered a nuisance dust. May cause irritation of the mouth, nose, throat, and lungs.</b>						
3.4	Symptoms of Overexposure: <b>EYES: Redness &amp; watering.</b> <b>SKIN: Redness, itching, drying of skin.</b> <b>INGESTION: No symptoms are expected.</b> <b>INHALATION: Upper respiratory irritation, including coughing &amp; sneezing.</b>						
3.5	Acute Health Effects: <b>EYES: Possible irritation from dust.</b> <b>SKIN: Irritation. Allergic contact dermatitis is possible with prolonged or repeated contact.</b> <b>INGESTION: No exposure effects are reported.</b> <b>INHALATION: Considered a nuisance dust. May cause irritation of the mouth, nose, throat, and lungs.</b>						
3.6	Chronic Health Effects: <b>EYES: Possible irritation from dust.</b> <b>SKIN: Irritation. Allergic contact dermatitis is possible with prolonged or repeated contact.</b> <b>INGESTION: No exposure effects are reported.</b> <b>INHALATION: Considered a nuisance dust. May cause irritation of the mouth, nose, throat, and lungs.</b>						
3.7	Target Organs: <b>Eyes, skin and respiratory system.</b>						

## 4. FIRST AID MEASURES

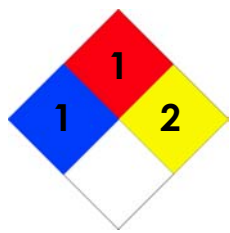
4.1	First Aid: <b>EYES: Flush eyes thoroughly with copious amounts of water for at least 15 minutes, holding eyelid(s) open to ensure complete flushing. If irritation persists, seek immediate medical attention.</b> <b>SKIN: Remove contaminated clothing and wash affected areas with soap and water. Wash all contaminated clothing thoroughly before reuse. If irritation persists, seek prompt medical attention.</b> <b>INGESTION: DO NOT INDUCE VOMITING. Contact Rocky Mountain Poison Control at 1-303-623-5716 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.</b> <b>INHALATION: Remove victim to fresh air at once. If breathing stops, perform artificial respiration. Seek prompt medical attention if adverse effects continue.</b>																					
4.2	Medical Conditions Aggravated by Exposure: <b>Preclude from exposure those individuals that are susceptible to dermatitis, asthma or bronchitis.</b>					<table border="1"> <tr> <td colspan="2"><b>HEALTH</b></td> <td><b>1</b></td> </tr> <tr> <td colspan="2"><b>FLAMMABILITY</b></td> <td><b>1</b></td> </tr> <tr> <td colspan="2"><b>REACTIVITY</b></td> <td><b>2</b></td> </tr> <tr> <td colspan="2"><b>PROTECTIVE EQUIPMENT</b></td> <td><b>B</b></td> </tr> <tr> <td><b>EYES</b></td> <td><b>SKIN</b></td> <td></td> </tr> </table>		<b>HEALTH</b>		<b>1</b>	<b>FLAMMABILITY</b>		<b>1</b>	<b>REACTIVITY</b>		<b>2</b>	<b>PROTECTIVE EQUIPMENT</b>		<b>B</b>	<b>EYES</b>	<b>SKIN</b>	
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## 5. FIREFIGHTING MEASURES

5.1	Flashpoint & Method: <b>579°F (304°C) TCC</b>
5.2	Autoignition Temperature: <b>NA</b>
5.3	Flammability Limits: Lower Explosive Limit (LEL): <b>NA</b> Upper Explosive Limit (UEL): <b>NA</b>
5.4	Fire & Explosion Hazards: <b>Keep away from excessive heat, open flames, sparks, and other possible sources of ignition.</b>
5.5	Extinguishing Methods: <b>Carbon dioxide, dry chemical &amp; water spray.</b>
5.6	Firefighting Procedures: <b>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.</b>



RED = FLAMMABILITY  
BLUE = HEALTH  
YELLOW = REACTIVITY  
WHITE = SPECIAL MEASURES

0 = NO HAZARD  
1 = MINIMAL HAZARD  
2 = SLIGHT HAZARD  
3 = MODERATE HAZARD  
4 = SEVERE HAZARD

## 6. ACCIDENTAL RELEASE MEASURES

6.1	Spills: <b>Before cleaning any spill or leak, individuals involved in spill cleanup must wear appropriate Personal Protective Equipment. For small spills (e.g., &lt;1 gallon) wear appropriate personal protective equipment (e.g., goggles, gloves). Maximize ventilation (open doors and windows) and secure all sources of ignition. Remove spilled material with absorbent material and place into appropriate closed container(s) for disposal. 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. Dike and contain spill with inert material (e.g., sand or earth). Use ONLY non-sparking tools for recovery and cleanup. Transfer liquid to containers for recovery or disposal and solid diking material to separate containers for proper 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.</b>
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## 7. HANDLING & STORAGE INFORMATION

7.1	Work & Hygiene Practices: <b>Use eye protection when using this product. Wash hands thoroughly after using this product and before eating, drinking, or smoking.</b>
7.2	Storage & Handling: <b>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.</b>
7.3	Special Precautions: <b>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.</b>

## 8. EXPOSURE CONTROLS & PERSONAL PROTECTION

8.1	Ventilation & Engineering Controls: <b>General mechanical ventilation (e.g., fans) and local exhaust ventilation is recommended for use with this product.</b>
8.2	Respiratory Protection: <b>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.</b>
8.3	Eye Protection: <b>As a minimum, safety glasses with side shields should be used when using this product.</b>
8.4	Hand Protection: <b>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 plastic impervious gloves.</b>
8.5	Body Protection: <b>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.</b>



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## 9. PHYSICAL & CHEMICAL PROPERTIES

9.1	Density:	NA
9.2	Boiling Point:	NA
9.3	Melting Point:	Approximately 200°C
9.4	Evaporation Rate:	NA
9.5	Vapor Pressure:	NA
9.6	Molecular Weight:	NA
9.7	Appearance & Color:	Fine white or light pink powder with faint bland odor.
9.8	Odor Threshold:	ND
9.9	Solubility:	Insoluble
9.10	pH	NA
9.11	Viscosity:	NA
9.12	Other Information:	NA

## 10. STABILITY & REACTIVITY

10.1	Stability:	Stable under normal conditions of use (see section 7).
10.2	Hazardous Decomposition Products:	Oxides of carbon and nitrogen. May form shock, heat, and friction-sensitive by-products.
10.3	Hazardous Polymerization:	Will not occur.
10.4	Conditions to Avoid:	Open flames, sparks, high heat (120°F) or other ignition sources, and proximity to incompatible substances.
10.5	Incompatible Substances:	None known.

## 11. TOXICOLOGICAL INFORMATION

11.1	Toxicity Data:	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.
11.2	Acute Toxicity:	See section 3.5
11.3	Chronic Toxicity:	See section 3.6
11.4	Suspected Carcinogen:	NE
11.5	Reproductive Toxicity:	None
	Mutagenicity:	This product is not reported to produce mutagenic effects in humans.
	Embryotoxicity:	This product is not reported to produce embryotoxic effects in humans.
	Teratogenicity:	This product is not reported to produce teratogenic effects in humans.
	Reproductive Toxicity:	This product is not reported to produce reproductive effects in humans.
11.6	Irritancy of Product:	See Section 3.3
11.7	Biological Exposure Indices:	NE
11.8	Physician Recommendations:	Treat symptomatically.

## 12. ECOLOGICAL INFORMATION

12.1	Environmental Stability:	This product will slowly volatile from soil. Components of this product will slowly decompose into organic compounds.
12.2	Effects on Plants & Animals:	There is no specific data available for this product.
12.3	Effects on Aquatic Life:	There is no specific data available for this product.

## 13. DISPOSAL CONSIDERATIONS

13.1	Waste Disposal:	Dispose of 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.



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## 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): <b>NOT REGULATED</b>	
14.2	IATA (AIR): <b>NOT REGULATED</b>	
14.3	IMDG (OCN): <b>NOT REGULATED</b>	
14.4	TDGR (Canadian GND): <b>NOT REGULATED</b>	

## 15. REGULATORY INFORMATION

15.1	SARA Reporting Requirements: <b>This product does not contain any substances with SARA reporting requirements.</b>	
15.2	SARA Threshold Planning Quantity: <b>This product does not contain any substances with a SARA threshold planning quantity.</b>	
15.3	TSCA Inventory Status: <b>All chemical substances of this product are listed on the TSCA inventory or are otherwise exempt from inventory status.</b>	
15.4	CERCLA Reportable Quantity (RQ): <b>This product does not contain any substances with a CERCLA reportable quantity.</b>	
15.5	Other Federal Requirements: <b>This product complies with the appropriate sections of the Food and Drug Administration's 21 CFR Subchapter G, (Cosmetics).</b>	
15.6	Other Canadian Regulations <b>All chemical substances of this product are listed on the CEPA DSL/NDSL or are exempt from list requirements. 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.</b>	
15.7	State Regulatory Information: <b>This product does not contain any substances listed as a California Proposition 65 carcinogenic or reproductive hazard.</b>	

## 16. OTHER INFORMATION

16.1	Other Information: <b>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.</b>	
16.2	Terms & Definitions: <b>See page 6 of this MSDS.</b>	
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: <b>Creative Nail Design, Inc. 1125 Joshua Way Vista, CA 92083 800-833-NAIL (6245) phone 760-599-4005 fax <a href="http://www.creativenaildesign.com/">http://www.creativenaildesign.com/</a></b>	
16.5	Prepared by: <b>ShipMate, Inc. 18436 Hawthorne Blvd., Suite 201 Torrance, CA 90504 310-370-3600 phone 310-370-5700 fax <a href="http://www.shipmate.com/">http://www.shipmate.com/</a></b>	



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## DEFINITIONS OF TERMS

A large number of abbreviations and acronyms appear on a MSDS. Some of these which are commonly used include the following:

**CAS #:** This is the Chemical Abstract Service Number that uniquely identifies each constituent.

### EXPOSURE LIMITS IN AIR:

**ACGIH** – The American Conference on Governmental Industrial Hygienists, a professional association that establishes exposure limits.

**TLV** – Threshold Limit Value – an airborne concentration of a substance that represents conditions under which it is generally believed that all workers may be repeatedly exposed without adverse effect. The duration must be considered, including the 8-hour Time Weighted Average (**TWA**), the 15-minute Short Term Exposure Limit, and the instantaneous Ceiling Level (**C**). Skin absorption effect must also be considered.

**OSHA** – U.S. Occupational Safety and Health Administration

**PEL** – Permissible Exposure Limit – This exposure value means exactly the same as TLV, except that it is enforceable by OSHA. The OSHA Permissible Exposure Limits are based in the 1989 PELs and the June 1993 Air Contaminants Rule (Federal Register: 58: 35338-35351 and 58: 40191). Both the current PELs and the vacated PELs are indicated. The phrase "Vacated 1989 PEL," is placed next to the PEL which was vacated by Court Order.

**IDLH** – Immediately Dangerous to Life and Health – This level represents a concentration from which one can escape within 30-minutes without suffering escape-preventing or permanent injury. The **DFG – MAK** is the Republic of Germany's Maximum Exposure Level, similar to the U.S. PEL. NIOSH is the National Institute of Occupational Safety and Health, which is the research arm of the U.S. Occupational Safety and Health Administration (**OSHA**). NIOSH issues exposure guidelines called Recommended Exposure Levels (**RELs**) When no exposure guidelines are established, an entry of **NE** is made for reference.

### 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.

### HAZARD RATINGS:

**HAZARDOUS MATERIALS IDENTIFICATION SYSTEM:** This rating system was developed by the National Paint and Coating Association and has been adopted by industry to identify the degree of chemical hazards. Health Hazard: **0** (minimal acute or chronic exposure hazard); **1** (slight acute or chronic exposure hazard); **2** (moderate acute or significant chronic exposure hazard); **3** (severe acute exposure hazard; onetime overexposure can result in permanent injury and may be fatal); **4** (extreme acute exposure hazard; onetime overexposure can be fatal). Flammability hazard: **0** (minimal hazard); **1** (materials that require substantial pre-heating before burning); **2** (combustible liquids or solids; liquids with a flashpoint of 38-93C [100-200F]); **3** (Class 1B and 1C flammable liquids with flash points below 38C [100F]; 4 (Class 1A flammable liquids with flash points below 23C [73F] and boiling points below 38C [100F]). Reactivity Hazard: **0** (normally stable); **1** (materials that can become unstable at elevated temperatures or which can react slightly with water); **2** (materials that are unstable but do not detonate when initiated or which can react violently with water); **3** (materials that can detonate when initiated or which can react explosively with water); **4** (materials that can detonate at normal temperatures or pressures). PPE Rating **B:** Hand and eye protection is required for routine chemical use.

**NATIONAL FIRE PROTECTION ASSOCIATION:** Health Hazard: **0** (material that on exposure under fire conditions would offer no hazard beyond that of ordinary combustible materials); **1** (materials that on exposure under fire conditions could cause irritation or minor residual injury); **2** (materials that on intense or continued exposure under fire conditions could cause temporary incapacitation or possible residual injury); **3** (materials that can on short exposure could cause serious temporary or residual injury); **4** (material that under very short exposure could cause death or major residual injury).

Flammability Hazard and Reactivity Hazard: Refer to definitions for "Hazardous Materials Identification System."

### FLAMMABILITY LIMITS IN AIR:

Much of the information related to fire and explosion is derived from the National Fire Protection Association (**NFPA**). Flash Point – minimum temperature at which a liquid gives off sufficient vapors to form an ignitable mixture with air. Autoignition Temperature: The minimum temperature required to initiate combustion in air with no other source of ignition. **LEL** – the lowest percent of vapor in air, by volume, that will explode or ignite in the presence of an ignition source. **UEL** – the highest percent of vapor in air, by volume, that will explode or ignite in the presence of an ignition source.

### TOXICOLOGICAL INFORMATION:

**Human and Animal Toxicology:** Possible health hazards as derived from human data, animal studies, or from the results of studies with similar compounds are presented. Definitions of some terms use dinit his section are: **LD<sub>50</sub>** – Lethal Dose (solids & liquids) which kills 50% of the exposed animals; **LC<sub>50</sub>** – Lethal concentration (gases) which kills 50% of the exposed animals; **ppm** – concentration expressed in parts of material per million parts of air or water; **mg/m<sup>3</sup>** – concentration expressed in weight of substance per volume of air; **mg/kg** quantity of material, by weight, administered to a test subject, based on their body weight in kg. Other measures of toxicity include **TD<sub>01</sub>**, the lowest dose to cause a symptom and **TCLo** the lowest concentration to cause a symptom; **TD<sub>01</sub>**, **LD<sub>01</sub>**, and **LD<sub>01</sub>**, or **TC**, **TC<sub>01</sub>**, **LC<sub>01</sub>**, and **LC<sub>01</sub>**, the lowest dose (or concentration) to cause lethal or toxic effects. Cancer Information: The sources are: **IARC** – the International Agency for Research on Cancer; **NTP** – the National Toxicology Program, **RTECS** – the Registry of Toxic Effects of Chemical Substances, **OSHA** and **CAL/OSHA**. **IARC** and **NTP** rate chemicals on a scale of decreasing potential to cause human cancer with rankings from 1 to 4. Sub rankings (2A, 2B, etc.) are also used. Other Information: **BEI** – ACGIH Biological Exposure Indices, represent the levels of determinants which are most likely to be observed in specimens collected from a health worker who has been exposed to chemical to the same extent as a worker with inhalation exposure to the TLV. **Ecological Information:** **EC** is the effect concentration in water. **BCF** – Bioconcentration Factor, which is used to determine if a substance will concentrate in life forms that consume contaminated plant or animal matter. **TL<sub>m</sub>** – median threshold limit; Coefficient of Oil/Water Distribution is represented by **log K<sub>ow</sub>** or **log K<sub>oc</sub>** and is used to assess a substance's behavior in the environment.

### REGULATORY INFORMATION:

**U.S. and CANADA:** This section explains the impact of various laws and regulation of the material. **EPA** is the U.S. Environmental Protection Agency. **WHMIS** is the Canadian Workplace Hazardous Material Information System. **DOT** and **TC** are the U.S. Department of Transportation and Transport Canada, respectively. Superfund Amendments and Reauthorization Act (**SARA**); the Canadian Domestic/Non-Domestic Substance List (**DSL/NDL**); the U.S. Toxic Substance Control Act (**TSCA**); Marine Pollutant status according to the DOT; the Comprehensive Environmental Response, Compensation, and Liability Act (**CERCLA** or **Superfund**); and various state regulations. This section also includes information on the precautionary warnings that appear on the material's package label.

**EUROPEAN and INTERNATIONAL:** **EC** is the European Community, formerly known as the EEC, European Economic Community). **EINECS:** This is the European Inventory of Now-Existing Chemical Substances. **AICS** is the Australian Inventory of Chemical Substances. **MITI** is the Japanese Minister of International Trade and Industry. **ECL** is the Korean Existing Chemicals List. **IMO** is the International Maritime Organization and **IATA** is the International Air Transport Association. The **ARD** is the European Agreement Concerning the International Carriage of Dangerous Goods by Road and the **RID** are the International Regulations Concerning the Carriage of Dangerous Goods by Rail.

