

# MATERIAL SAFETY DATA SHEET

## 1. CHEMICAL PRODUCT AND COMPANY IDENTIFICATION

### Product Identification

Product Name: Pronto II Powder  
Product Number: 3742, 3277

### Company Identification

Vernon-Benshoff Co., Div. CMP Industries LLC  
413 North Pearl St  
Albany, NY 12207-1311 USA  
(518)-434-3147 (For product information)  
(800)-424-9300 (For emergencies)

## 2. COMPOSITION/INFORMATION ON INGREDIENTS

<u>Chemical Name</u>	<u>Amount</u>	<u>CAS Number</u>
POLY(METHYL METHACRYLATE)	99.0 %	9011-14-7
BENZOYL PEROXIDE	< 1.0 %	94-36-0
CADMIUM PIGMENTS	< 0.1 %	7440-43-9

(See Section 8 for exposure guidelines)

(See Section 15 for regulatory information)

### COMPOSITION COMMENT:

This material is not intended for application involving elevated temperatures.

## 3. HAZARDS IDENTIFICATION

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*****      EMERGENCY OVERVIEW      *****
*
*   Solid granules.  May evolve irritating fumes on      *
*   processing or overheating.                          *
*
*****

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### POTENTIAL HEALTH EFFECTS

UNCONTROLLED DOCUMENT



(section 3 continued)

**EYE:**

Dust may be irritating to the eye.

**SKIN:**

Unlikely to cause skin irritation.

**INHALATION:**

Unlikely to be hazardous but dust or vapors may cause irritation.

**INGESTION:**

Low oral toxicity.

**CHRONIC EFFECTS:**

No evidence of adverse effects.

**REPRODUCTIVE HAZARDS:**

No evidence of adverse effects.

**CARCINOGENICITY INFORMATION:**

Cadmium is listed as a suspected human carcinogen by IARC and NTP.

**TARGET ORGAN:**

Polymer - None listed.

Cadmium - Liver and kidneys.

**MEDICAL CONDITIONS AGRAVATED BY EXPOSURE:**

None known.

#### 4. FIRST AID MEASURES

**EYE CONTACT FIRST AID:**

Remove particles by irrigating with eye wash solution or clean water, holding the eyelids apart. Obtain medical attention.

**SKIN CONTACT FIRST AID:**

Wash skin with soap and water.

**INHALATION FIRST AID:**

Remove from area of exposure. Obtain medical attention if ill effects occur.

**INGESTION FIRST AID:**

Get medical attention immediately. Wash mouth out with water. Obtain medical attention if ill effects occur.



(section 4 continued)

**MISCELLANEOUS:**

Further medical treatment: symptomatic treatment and supportive therapy as indicated.

**5. FIRE FIGHTING MEASURES**

**FLAMMABLE PROPERTIES**

COC Flash Point: 304.0 C (579.2 F)  
Autoignition Temperature: N/A

**FLAMMABLE LIMITS IN AIR**

LEL: N/A  
UEL: N/A

**FLAMMABLE PROPERTIES:**

None.

**EXTINGUISHING MEDIA:**

Use water spary, foam, dry powder or CO2.

**FIRE & EXPLOSION HAZARDS:**

Combustible but not readily ignited. May form explosible dust clouds in air. May decompose if heated about 200°C. Combustion or thermal decomposition will evolve toxic, irritant and flammable vapors.

**FIRE FIGHTING INSTRUCTIONS:**

A self-contained breathing apparatus and full protective clothing should be worn in fire conditions.

**6. ACCIDENTAL RELEASE MEASURES**

**SAFEGUARDS (PERSONNEL):**

Spillages may be slippery. Sweep up and shovel into waste drums or plastic bags. Wash the spillage area with water.

**LARGE SPILLS PROCEDURE:**

Sweep up and shovel into waste drums or plastic bags. Wash the spillage area with water.

**SMALL SPILLS PROCEDURE:**

Same as large spill.



## 7. HANDLING AND STORAGE

### HANDLING (PERSONNEL) :

Avoid contact with skin and eyes. Avoid inhalation of high concentration of dusts.

### HANDLING (PHYSICAL ASPECTS) :

Keep containers in a clean, cool and dry area away from heat sources. Natural ventilation is adequate.

Storage temperature: Ambient.

### STORAGE PRECAUTIONS:

Process hazards. Care should be taken to prevent burns from contact with hot material. All polymers degrade to some extent if overheated, an effect which increases with increasing temperature. It is therefore impossible to be precise about which substances may be involved. However, it is only the minor components which vary substantially. See Stability & Reactivity section.

## 8. EXPOSURE CONTROLS / PERSONAL PROTECTION

### ENGINEERING CONTROLS:

Local exhaust.

### EYE / FACE PROTECTION REQUIREMENTS:

The use of eye protection is recommended. An approved dust mask should be worn if exposure to high levels of dust are likely.

### SKIN PROTECTION REQUIREMENTS:

Butyl rubber gloves.

### RESPIRATORY PROTECTION REQUIREMENTS:

An approved dust mask should be worn if exposure to high levels of dust are likely.

### EXPOSURE GUIDELINES:

#### POLY (METHYL METHACRYLATE)

Recommended Exposure Limit: 5 mg/m<sup>3</sup>

#### BENZOYL PEROXIDE

OSHA PEL: 5 mg/m<sup>3</sup>

OSHA TWA: 5 mg/m<sup>3</sup>

#### CADMIUM PIGMENTS

OSHA PEL: .2 mg/m<sup>3</sup>

OSHA TWA: .05 mg/m<sup>3</sup>



## 9. PHYSICAL AND CHEMICAL PROPERTIES

FORM .....: Powder  
COLOR .....: Pink  
ODOR .....: No odor  
SOLUBILITY IN WATER ...: Negligible  
SPECIFIC GRAVITY .....: 1.125 (Water = 1)

## 10. STABILITY AND REACTIVITY

### STABILITY:

Stable.

### POLYMERIZATION:

Hazardous polymerization will not occur.

### INCOMPATIBILITY WITH OTHER MATERIALS:

Avoid contact with strong acids and oxidizing agents.

### DECOMPOSITION:

Methyl Methacrylate and Carbon Monoxide, depending on condition of heating or burning.

### CONDITIONS TO AVOID:

Temperature above 570°F.

## 11. TOXICOLOGICAL INFORMATION

### EYE EFFECTS:

Dust may cause irritation.

### SKIN EFFECTS:

Unlikely to cause skin irritation.

### ACUTE ORAL EFFECTS:

Low oral toxicity.

### ACUTE INHALATION EFFECTS:

Unlikely to be hazardous by inhalation.

### MISCELLANEOUS:

High concentrations of dust may be irritant to the upper respiratory tract. High concentrations of vapor from hot operations may be harmful, cause irritation of the respiratory track, and slight narcotic effect.

Long term exposure: This material has been in use for many years with no evidence of adverse effects.



## 12. ECOLOGICAL INFORMATION

### ENVIRONMENTAL HAZARDS:

The product is non-biodegradable in soil. There is not evidence of degradation in soil and water. The product is predicted to have low toxicity to aquatic organisms.

### ENVIRONMENTAL FATE:

High tonnage material produced in partially contained systems. Solid with low volatility. The product is essentially insoluble in water. The product has low potential for bioaccumulation. The product is predicted to have low mobility in soil.

### MISCELLANEOUS:

The product is anticipated to be poorly removed in biological treatment processes.

## 13. DISPOSAL CONSIDERATIONS

### WASTE DISPOSAL:

Clean scrap may be reprocessed. Incineration may be used to recover energy value. May be disposed of by landfill in accordance with local guidelines.

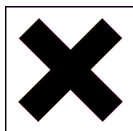
## 14. TRANSPORTATION INFORMATION

PRODUCT LABEL ...: Pronto II Powder

## 15. REGULATORY INFORMATION

### EEC Symbols and Indications of Danger:

Irritant (Xi)



### R-Phrases:

R36/37 - Irritating to eyes and respiratory system.

### S-Phrases:

S15 - Keep away from heat.  
S25 - Avoid contact with eyes.

### WHMIS Hazard Symbols:

None



(section 15 continued)

**Canadian Disclosure List**

BENZOYL PEROXIDE (94-36-0)  
CADMIUM PIGMENTS (7440-43-9)

**SARA Title III - Section 313**

BENZOYL PEROXIDE (94-36-0)  
CADMIUM PIGMENTS (7440-43-9)

**CERCLA Hazardous Substances**

CADMIUM PIGMENTS (7440-43-9) -- RQ 10 lb

**RCRA Hazardous Substances**

CADMIUM PIGMENTS (7440-43-9) -- RCRA Code: D006

**Title V**

BENZOYL PEROXIDE (94-36-0)  
CADMIUM PIGMENTS (7440-43-9)

**SC Toxic Air Pollutants List**

CADMIUM PIGMENTS (7440-43-9)

**16. OTHER INFORMATION**

PREPARED BY .....: Shirley McCoy  
APPROVED BY .....: Abdul Khan  
TITLE .....: Q. C. Manager  
APPROVAL DATE .....: June 21, 2006  
SUPERCEDES DATE ...: April 17, 2003  
MSDS NUMBER .....: 3742 3277  
RTN NUMBER .....: 00000260 (Official Copy)

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