

**ACROPARS OP – POWDER  
COLD CURE ORTHODONTIC RESIN  
MATERIAL SAFETY DATA SHEET**

**1. CHEMICAL PRODUCT AND COMPANY IDENTIFICATION**

**I- MANUFACTURER:**  
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**III- PRODUCT:** ACROPARS OP – POWDER

**IV- CHEMICAL NAME:** PLASTICIZED POLY METHACRYLATE  
(Cadmium Free)

**2. COMPOSITION / INFORMATION ON INGREDIENTS**

• INGREDIENT (S):	CAS NO.	% :
Particular, NOC	NE	100

**3. HAZARDS IDENTIFICATION**

- **PRIMARY ROUTES OF ENTRY:** Eyes or skin (no absorption); inhalation of dusts.  
Avoid inhalation of dust. Keep dust out of eyes to prevent possible irritation.
- **EFFECTS OF OVER EXPOSURE:** 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

**4. FIRST - AID MEASURES**

**EMERGENCY AND FIRST AID PROCEDURES:**

- **INHALATION:** Remove to fresh air. Get medical help if discomfort persists.
- **EYES:** Flush with water for 15 minutes, including under eyelids. Get medical help if discomfort persists.
- **SKIN:** Wash with soap and water. Get medical help if discomfort persists.
- **INGESTION:** Rinse mouth out with water. Call doctor if amount was large.

**5. FIRE FIGHTING MEASURES**

- **FLASH POINT :** 304 °C (580 °F)
- **FLAMMABLE LIMIT, AIR VOL%:** LOWER: NA  
UPPER: NA
- **AUTOIGNITION TEMPERATURE:** NE
- **EXTINGUISHER METHOD:** Water, carbon dioxide, dry chemical
- **SPECIAL FIRE FIGHTING PROCEDURES:** Avoid extinguishing methods, which may generate dust clouds. Water stream can disperse dust in air, producing a fire hazard and possible explosion hazard if exposed to ignition source.

- **UNUSUAL, FIRE AND EXPLOSION HAZARDS:** Polymer dust is combustible. The explosive limits of the polymer particles suspended in air are approximately those of coal dust. Fire fighters should wear self-contained breathing apparatus

## 6. ACCIDENTAL RELEASE MEASURES

STEPS TO BE TAKEN IN CASE MATERIAL IS RELEASED OR SPILLED: Sweep up to avoid slipping hazard. Keep airborne particulate at a minimum when cleaning up spills.

## 7. HANDLING AND STORAGE

- **PRECAUTIONS TO BE TAKEN IN HANDLING AND STORING:** Use in well ventilated areas. Avoid contact with skin, eyes and clothing. Avoid breathing dust. Use good personal hygiene and housekeeping. Keep only in original container and store in cool dry place. Keep container closed to prevent water absorption and contamination.
- **STORAGE TEMPERATURE:** Preferably not exceeding 35°C .
- **OTHER PRECAUTIONS:** Wash thoroughly after use and before eating or smoking.

## 8. EXPOSURE CONTROL / PERSONAL PROTECTION

- **RESPIRATORY PROTECTION (SPECIFY TYPE):** Use type for particulates not otherwise classified, if needed.
- **VENTILATION:** Local exhaust at processing equipment.
- **PROTECTIVE GLOVES:** Impervious, nitrile, if hot plastic is handled.
- **EYE PROTECTION:** Safety glasses or chemical splash goggles.
- **OCCUPATIONAL EXPOSURE LIMITS:**
- **HAZARDOUS INGREDIENT (S)** None

## 9. PHYSICAL AND CHEMICAL PROPERTIES

- **BOILING POINT:** NA
- **SPECIFIC GRAVITY (H<sub>2</sub>O=1):** 1.25
- **VAPOR PRESSURE:** NA
- **PERCENT VOLATILE W/W%:** NA
- **VAPOR DENSITY (AIR=1):** NA
- **EVAPORATION RATE:** NA
- **SOLUBILITY IN WATER:** Insoluble
- **APPEARANCE AND ODOR:** Fine powder-light tan, pink or clear Faint odor in bulk

## 10. STABILITY AND REACTIVITY

- **STABILITY:** Stable.
- **CONDITIONS TO AVOID:** Heating above 240°C (464 °F)
- **INCOMPATIBILITY (MATERIALS TO AVOID):** Strong – oxidizing agents.
- **HAZARDOUS DECOMPOSITION PRODUCTS:** Methyl methacrylate monomer and oxides of carbon.
- **HAZARDOUS POLYMERIZATION:** Will not occur.

- **CONDITIONS TO AVOID:** High temperatures and strong oxidizing agents.

## 11. TOXICOLOGICAL INFORMATION

- **PRIMARY ROUTES OF ENTRY:** Eyes or skin (no absorption); inhalation of dusts.
- **CARCINOGENICITY:** Particulates NOC are not listed by LARC, NTP, OSHA or ACIGH as carcinogens.
- **TOXICITY DATA:** For Polymer – None Listed. RTECS – Not Listed. TSCA – Listed.

## 12. ECOLOGICAL INFORMATION

- **AQUATIC TOXICITY:** For polymer – None Listed.
- **EXOLOGICAL TOXICITY:** For Polymer – Not Known.

## 13. DISPOSAL CONSIDERATIONS

- **WASTE DISPOSAL METHODS:** May be disposed of in landfill or incinerated. Follow federal, state and local regulations for disposal

## 14. TRANSPORTATION

- **NON – HAZARDOUS SHIPPING NAME:** Synthetic Gum Resin Granular, NOIBN

## 15. REGULATORY INFORMATION

- **Risk Phrases:** R36/37 Irritation to the eyes and respiratory system.  
R43 May cause sensitization by skin contact.
- **Safety Phrases:** S3 Keep in a cool place.  
S7/8 Keep container tightly closed and dry.  
S20/21 When using do not eat, drink or smoke.  
S22 Do not breathes dust.  
S24/25 Avoid contact with skin and eyes.  
S37/39 Wear suitable gloves and eye/face protection.
- **CANADIAN REGULATIONS:**
- **WHMIS:** This product has been classified in accordance with the hazardous criteria of the CPR and the MSDS contains all the information required by the CPR. All of the components of this material are listed on the Canadian DSL.
- **TSCA:** FOR USE IN FDA REGULATED PRODUCTS ONLY

## 16. OTHER INFORMATION

### HAZARDOUS MATERIAL IDENTIFICATION SYSTEM (HMIS) RATING:

HEALTH = 1  
FLAMMABILITY = 1  
REACTIVITY = 0

This data sheet was prepared in accordance with Directive 91/155/EEC.

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