

**SAFETY DATA SHEET**  
**DURACRYL® ACRYLIC NAIL SYSTEM MODELING POWDER / POLVO PARA MODELAR**  
**DPDDFS-086**

**1 PRODUCT IDENTIFICATION**


- 1.1 Chemical name: Poly (ethyl methacrylate) and poly (methyl methacrylate) mixture.
- 1.2 Generic name: Poly (ethyl methacrylate) and poly (methyl methacrylate) mixture.
- 1.3 Synonyms: Acrylic polymer, cosmetic polymer, PEMA.
- 1.4 Recommended use and restrictions of use: manufacture of artificial nails with aesthetic and functional purposes: lengthen, repair, reconstruct, and decorate natural nails.
- 1.5 Emergency number: In case of emergency contact the Occupational Health and Safety Coordination, (57 60 4) 403 87 60 extensions 1304 and 1306.

**2 HAZARDS IDENTIFICATION**

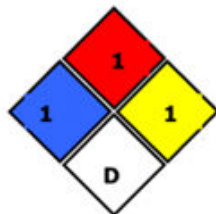
2.1 GHS classification:

Health	Environment	Physical
Eye irritation: Category 2B  Respiratory or skin sensitization: Category 1	No data established	No data established

2.2 GHS labeling:

Symbol	Warning word	Hazard indication
	Irritant	Irritant to eyes, respiratory system, and skin.

- 2.3 Precaution indications: It may cause irritation on the eyes, skin, and airways.
- 2.4 Appearance in case of emergency for health: Fine powder with characteristic odor (fruity). It is irritant to the eyes and airways if dispersed in the air.
- 2.5 NFPA:



Health: 1  
 Flammability: 1  
 Reactivity: 1

2.6 OSHA Regulatory Status: This material is considered hazardous by the OSHA Hazard Communication Standard (29CFR 1910.1200).

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**3 COMPOSITION INFORMATION**

HAZARDOUS COMPONENTS		
Common name	%	CAS Number
N.A.	N.A.	N.A.

NON-HAZARDOUS COMPONENTS		
Common name	%	CAS Number
Polyethyl methacrylate	> 65	9003-42-3
Polymethyl methacrylate	< 35	9011-14-7
Benzoyl peroxide	< 1	94-36-0
Silica and pigments	Remaining percentage	112945-52-5

**4 FIRST AID MEASURES**

- 4.1 Emergency procedures and first aid measures in case of:
- Inhalation: Remove the patient from the exposure; take him/her to a ventilated place. Obtain medical attention if any effects appear.
  - Contact with eyes: Rinse eyes immediately with abundant water, maintaining eyelids open. See an ophthalmologist.
  - Contact with skin: Rinse skin immediately with abundant water. Remove contaminated clothes. See a physician if symptoms appear (irritation or blisters).
  - Ingestion: See a physician.
- 4.2 Major symptoms/effects (acute and/or delayed): Not applicable.
- 4.3 Antidote: not applicable.
- 4.4 Information for physicians: not applicable.

**5 FIRE-FIGHTING MEASURES**

- 5.1 Flammability properties: Low flammability.
- 5.2 Extinction media: Fire may be extinguished with sprayed water, foam, chemical powder, or CO<sub>2</sub>.
- 5.3 Inappropriate extinction media: Avoid extinction methods that generate dust clouds. Water jets may disperse the powder in the air producing a fire hazard and possible explosion hazard.
- 5.4 Firefighting instructions: Special protective equipment should be used. In case of staying in the risk area, self-contained breathing apparatus and appropriate protective clothing should be used. The product may decompose if heated at temperatures above 200 °C (392 °F). Combustion or thermal decomposition may develop toxic, irritant, and flammable vapors.
- 5.5 Firefighters protection: Evacuate the affected area and attack the fire from a safe distance.

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5.6 Protective equipment and protection for firefighters: Self-contained breathing apparatus and encapsulated suit should be used.

**6 MEASURES IN CASE OF ACCIDENTAL RELEASE**

- 6.1 Techniques, procedures, materials, and protective equipment in case of:
- Small spills: Spilled powder may be slippery. It may be transferred manually to a container for its disposal or recovery using gloves.
  - Large spills: Sweep and dispose in a residues drum or plastic bag. Wash the slippery area with water. Avoid residues entering the sumps. Uncontrolled discharge in waterways must be notified to the corresponding competent authority.
- 6.2 Environmental precautions: Avoid filtration on land and in water. In case of large spills or if the product contaminates lakes, rivers, or seas, inform the competent authorities, according to local legislation.
- 6.3 Other considerations: Prevent waste from entering surface or subway watercourses.

**7 HANDLING AND STORAGE**

- 7.1 Handling: Take care to put the product in contact with hot materials to avoid burns. All polymers degrade to some degree if overheated. Avoid contact with eyes. Avoid prolonged contact with skin. Avoid inhalation of high concentrations of dust. Observe fire-fighting measures. The product must be kept away from sources of ignition.
- 7.2 Storage: Ambient temperature, dry place. Keep the product covered.

**8 EXPOSURE CONTROLS AND PERSONAL PROTECTION**

- 8.1 Conditions to control exposure: Wear a dust mask, safety goggles, and face shield.
- 8.2 Engineering controls: Adequate ventilation, exhaust air, and eye wash equipment in areas where the product is used.
- 8.3 Personal protective equipment:
- Respiratory equipment: Wear appropriate protective equipment. It is recommended to use a dust mask if exposure levels are high.
  - Eye protection: Safety goggles and full-face shield.
  - Other: Wear suitable protective clothing. General safety and hygiene measures. Wash hands after use.
- 8.4 Exposure parameters:
- PEL (OSHA): total dust 5 mg/m<sup>3</sup>, 8h. TWA, breathable dust.
  - TLV ACGIH: Not available.

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**9 PHYSICAL AND CHEMICAL PROPERTIES**

- Appearance: Powder with characteristic color.
- Odor: Fruity.
- Odor threshold: data not available.
- Physical status: Solid
- pH: Not applicable.
- Freezing or melting point: data not available.
- Evaporation percentage: Not applicable.
- Initial point or boiling range: Undetermined.
- Ignition point (flash point): Undetermined.
- Evaporation rate: Not applicable.
- Flammability (solid or gas): Data not available.
- Upper/lower flammability or exposure limit: Data not available.
- Vapor pressure: Not applicable.
- Vapor density: Not applicable.
- Specific gravity or relative density: data not available
- Solubility in water: Negligible.
- n-octanol/water partition coefficient: Data not available.
- Self-ignition temperature: Data not available.
- Decomposition temperature: Data not available.
- Particle size: ≤ 209 microns
- Volatiles: ≤ 1%
- Solubility in water: negligible.
- Shape: Beads

**10 STABILITY AND REACTIVITY**

- 10.1 Chemical stability: Very stable. Prolonged heating or the presence of a catalyst are likely to reinitiate polymerization.
- 10.2 Possibility of hazardous reactions: Exothermal reaction (heat generation).
- 10.3 Conditions to avoid: Ignition sources, high temperatures, and elevated humidity.
- 10.4 Incompatibility with other materials: Strong acids, alkali, oxidizing agents, and flammable solvents.
- 10.5 Hazardous decomposition products: Monomer vapors.
- 10.6 Hazardous polymerization: Exothermal reactions (heat generation).

**11 TOXICOLOGICAL INFORMATION**

- 11.1 Possible exposure ways: Respiratory, dermal, and ocular.
- 11.2 Acute toxicity:

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Address: Cra. 53 N° 50-09  
Guarne (Antioquia) COLOMBIA.  
Telephones: (57-60-4) 550 00 00 - 403 87 60  
Fax: (57-60-4) 551 31 34  
infocolombia@newstetic.com

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- Inhalation: Unknown inhalation risks. High concentrations of dust may be irritant for the respiratory ways. High concentrations of vapor caused by heating operations may cause irritation of respiratory ways.
  - Contact with skin: Unknown irritation cases.
  - Ingestion: Low oral toxicity, but ingestion may cause irritation of the gastrointestinal tract.
- 11.3 Chronic toxicity: Long term exposure: There are no reports of long-term effects for exposure to the product.
- 11.4 Other information: Data not available.

**12 ECOLOGICAL INFORMATION**

- 12.1 Ecotoxicity: The product has low toxicity on aquatic organisms.
- 12.2 Persistence and degradability: The product is non-biodegradable in the soil. There is no evidence of degradation in the soil and water.
- 12.3 Bioaccumulation potential: The product is insoluble in water. It has low bioaccumulation potential.
- 12.4 Mobility on soil: Low mobility.
- 12.5 Other adverse effects: Data not available.

**13 CONSIDERATIONS FOR DISPOSAL**

Recycle if possible. Do not dump in water sources. Observe the applicable local regulations.

WARNING: Local laws, regulations and restrictions may change or be reinterpreted, and differ from national laws, so disposal and packaging considerations may vary from those in this document.

**14 TRANSPORT INFORMATION**

- 14.1 Hazardous material: None.
- 14.2 Class of risk: None
- 14.3 UN Number: Not available.
- 14.4 IATA classification: Non-hazardous material.
- 14.5 Packing group: Non-hazardous material.
- 14.6 Marine pollutant (Yes/no): No.

**15 REGULATORY INFORMATION**

- 15.1 In Colombia: Transport in accordance with the provisions set forth in decree 1609 of 2002 about the transport of chemical and hazardous substances by road.

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Address: Cra. 53 N° 50-09  
Guarne (Antioquia) COLOMBIA.  
Telephones: (57-60-4) 550 00 00 - 403 87 60  
Fax: (57-60-4) 551 31 34  
infocolombia@newstetic.com

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15.2 International: Labelling in accordance with the guidelines of the CEE / Regulation on hazardous substances.

**16 OTHER IMPORTANT INFORMATION**

The information in this document is based on our current knowledge and is given in good faith, but no warranty is expressed or implied, nor is any responsibility assumed for improper handling of the product. This document has been prepared in accordance with:

- Globally Harmonized System of Classification and Labelling of Chemicals – GHS
- Colombian Technical Standard NTC 4435:2010. Transport of Goods. Material Safety Datasheets. Preparation.

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