

Nail Artistry Premium Acrylic Powder MSDS

Section 1: Identification of the Material and Supplier

Product Name: Nail Artistry Premium Acrylic Powder

Other Names: Acrylic polymer; Nail polymer

Proper shipping name (ADG Code): None.

Recommended use: As a nail polymer.

Supplier: **The Nail Shop**
22 Pleasant Grove
HOLDEN HILL SA 5088
Tel: 0416 157 087
Emergency contact Transport : 000
Emergency contact Medical : 13 1126

Section 2: Hazards Identification

Hazardous according to criteria of Safe Work Australia.

Non-dangerous goods.

Risk Phrases: R: 36/37/38 Irritating to eyes, respiratory system and skin.

Safety Phrases: S: 18 Handle and open container with care.
S: 22 Do not breathe dust.
S: 24/25 Avoid contact with skin and eyes.
S: 38 In case of insufficient ventilation,
wear suitable respiratory equipment.

Section 3: Composition/Information on Ingredients

Ingredients:

Poly (ethyl & methyl methacrylate)	[25685-29-4]	> 95 %
Benzoyl peroxide	[94-36-0]	< 1 %

Coloured versions of this product contain < 5% non hazardous cosmetically approved colourants.

Section 4: First Aid Measures

For advice, contact a Poisons Information Centre (Phone 131126) or a doctor.

Swallowed: Do not induce vomiting.

Skin: Remove contaminated clothing and wash skin thoroughly.

Eyes: Hold eyes open, flood with water for at least 15 minutes and seek medical advice.

Inhaled: Remove from exposure.

First Aid facilities:

Recommended: Eye wash. Hand wash basin.

Advice to Doctor:

Product is a powdered acrylic polymer containing a very low proportion of benzoyl peroxide. Irritating to eyes, respiratory system and skin. Possible risk of allergic reactions. Contact Poisons Information Centre.

Aggravated medical conditions:

Pre-existing skin or respiratory disorders. Pre-existing allergy to acrylic polymers or to benzoyl peroxide.

Section 5: Fire Fighting Measures

HAZCHEM Code: None.

Extinguishant: Water fog or fine water spray, foam or dry agent.

Risk of violent reaction or explosion: No.

Products of combustion: Oxides of carbon.
Incomplete combustion may generate methacrylate monomers and carbon monoxide.

Protective Equipment: Breathing apparatus and protective gloves for
fire only.

Section 6: Accidental Release Measures

Emergency Procedures:

Contain.
Prevent spillages from entering drains or natural waters.

For large spills:

Contain spillage. Transfer to suitable container. Treat residues as for small spillage.

For small spills:

Avoid generating dust. Carefully transfer to suitable container and arrange removal by disposals company. Wash site of spillage thoroughly with water and detergent.

Section 7: Handling and Storage

Precautions for safe handling:

Avoid contact with skin and eyes.

Conditions for safe storage:

Store in a cool, well ventilated place, out of reach of children.

Store in original container. Keep container tightly closed and out of direct sunlight. Keep away from oxidising agents. Protect from physical damage. Clean up all spills and splashes promptly; avoid secondary accidents.

Incompatibles:

Oxidising agents.

Section 8: Exposure Controls/Personal Protection

National Exposure Standards:

ES-TWA:	Benzoyl peroxide	5 mg/m ³
	Nuisance dusts	10 mg/m ³

ES-STEL: None assigned.

ES-PEAK: None.

Notations: None.

Biological Limit Values: No data found.

Engineering Controls:

Ensure adequate ventilation (same as outdoors) when using. If handling industrial quantities or if aerosol risk exists, consider local mechanical exhaust/extraction to keep airborne contamination as low as possible, and at least below the TLV.

Personal Protective Equipment:

Avoid contact with skin and eyes. Do not breathe dust. Personal protection to be selected from those recommended below, as appropriate to mode of use, quantity handled and degree of hazard:-

Normal Use:

Eye/face protection
Gloves, rubber or plastic.

Industrial Quantities:

Positive pressure air-hood
Dust mask
Face shield or safety glasses
Gloves, rubber or plastic
Plastic apron, sleeves and boots
Impervious overalls.

Section 9: Physical and Chemical Properties

Appearance:	Fine, white to clear powder.
Odour:	Very faint odour.
pH:	No data.
Vapour Pressure:	None.
Vapour Density:	Not applicable.

Boiling Point: No data.
Melting Point: No data.
Volatiles: None.
Volatile Organic Compounds (VOC): None.
Evaporation Rate: Not applicable.
Solubilities: Insoluble in water.
Specific Gravity/Density: No data.
Flash Point: 304 °C (closed cup)
Flammable Limits: No data.
Dust Explosion: Yes. Polymer powder is combustible;
explosive
limits of polymer particles suspended in air
are similar to those of coal dust.
Auto-ignition Temperature: No data.

Other Information:

Hazardous polymerisation will not occur.

Section 10: Stability and Reactivity

Chemical Stability: Stable under normal conditions.
Conditions to Avoid: Incompatible materials, direct sunlight,
heating above 240 °C.
Incompatible Materials: Strong oxidising agents.
Hazardous Decomposition Products: Methacrylate monomers, oxides of
carbon.
Hazardous Reactions: Contact with strong oxidising agents may
cause
fire.

Section 11: Toxicological Information

Health Effects:

No data available for the mixture. Information
presented
relates to individual ingredients.

Acute:
Swallowed: May cause gastrointestinal irritation.
Skin: Irritating to skin. May cause allergic
skin
rashes.
Eyes: Irritating to eyes. Risk of mechanical
irritation and scratching.
Inhaled: May cause irritation of the nose, throat
and
upper respiratory system.
Chronic: Repeated skin contact may lead to sensitisation and
allergic reactions.
Chronic exposure to benzoyl peroxide may cause skin
sensitisation.

Exposure to decomposition products (methacrylate monomers) may cause irritation to the skin, eyes and respiratory system, skin rashes. Prolonged exposure to decomposition products may lead to headaches, nausea, staggering gait, confusion, drowsiness and loss of consciousness.

Possible risk of central nervous system damage, damage to the eyes, liver and kidneys.

LD50: 7,990 mg/kg oral, rat.
35,500 mg/kg skin, rabbit.

LC50: > 12,500 - 16,500 ppm/30 minutes, rat.

Section 12: Ecological Information

Ecotoxicity:

TLm24: 420 ppm, flathead minnow and goldfish.
368 ppm, bluegill.

Persistence and degradability: No data.

Mobility: May be transported by moving water.

Environmental Fate: No data.

Bioaccumulative potential: No data.

Other adverse environmental effects: No data.

Section 13: Disposal Considerations

The generator of any wastes from this product is responsible for its proper classification, transport and disposal.

Consult appropriate local and State regulations.

Disposal methods and containers:

Avoid disposal to natural waters or the environment.

Special precautions for landfill or incineration:

Suitable for landfill.

Suitable for high temperature incineration.

Section 14: Transport Information

UN Number: None assigned.

UN Proper shipping name: Polymer powder.

Class and subsidiary risk: None.

Packaging group: None.

Special precautions for user: Keep away from oxidising agents.
Protect from direct sunlight.

HAZCHEM Code: None assigned.

Material for export: Not regulated.

Section 15: Regulatory Information

Poisons (SUSDP): Not a scheduled poison.

Dangerous Goods: No.

Carcinogen:	Australia	IARC	NTP	RTECS
Polymethacrylates	No.	No.	No.	No.
Benzoyl peroxide	No.	Group 3.	No.	Yes.

Agricultural and Veterinary Chemicals Act: No data.

Australian Inventory of Chemical Substances (AICS): Listed.

Other National/International Regulations: No data.

Section 16: Other information

Date of MSDS preparation/update: May 2015

Abbreviations:

NOHSC - National Occupational Health and Safety Commission.
ACGIH - American Conference of Governmental Industrial Hygienists.

MAK - Maximum workplace concentration - Germany,
(*maximale Arbeitsplatzkonzentration*)

IARC - International Agency for Research on Cancer (France).
NTP - National Toxicology Program (USA).
RTECS - Registry of Toxic Effects of Chemical Substances.
HSE - Health and Safety Executive (United Kingdom).

Literature references:

Available Sources of Data:

National Code of Practice for the Preparation of Material Safety Data Sheets 2nd Edition [2011(2003)] - NOHSC.

Australian Dangerous Goods Code.

Standard for the Uniform Scheduling of Drugs and Poisons - AHMAC.

Exposure Standards for Atmospheric Contaminants in the Occupational Environment [1003]- NOHSC.

List of Designated Hazardous Substances [10005] - NOHSC.

Merck Index - Merck Inc.

Sax's Dangerous Properties of Industrial Materials - Lewis.

Handbook of Toxic and Hazardous Chemicals and Carcinogens - Sittig.

Handbook of Reactive Chemical Hazards - Bretherick.

Hawley's Condensed Chemical Dictionary - Wiley Interscience.

AUSREG's Chemical Data Package for PCs - AUSREG Consultancy.