

Nail Solutions Perfection Polymer SDS

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Section 1 - Identification of the Material and Supplier

Chemical nature: Acrylic polymer
Trade Name : Nail Solutions Perfection Polymer
Product Use: Acrylic nail enhancements
Creation Date : March 2013
Supplier : J & N Holdings trading as Brisbane Nail Supplies
Shop 10, 521 Beams Rd, Carseldine QLD 4034
Phone : 07 38634699
Fax : 07 38634677
Web : www.brisbanenailsupplies.com.au

Please note that this SDS covers a range of Perfection Polymer colours that vary only according to minor variations in the addition of cosmetic pigments.

Section 2 - Hazards Identification

Hazardous according to criteria of Safe Work Australia

Not dangerous according to the Australia Dangerous Goods Code (ADG7)

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.

SUSMP: Not regulated

ADG Classification : Not regulated

UN Number : none assigned

Section 3—Composition/Information on Ingredients

Ingredients:	CAS	Percentage
Poly (ethyl and methyl methacrylate)	[25685-29-4]	> 98%
Benzoyl Peroxide	[94-36-0]	< 1 %

This is a commercial product whose exact ratio of components may vary slightly. Minor quantities of other non hazardous ingredients are also possible.

Section 4 - First Aid Measures

General Information:

You should call the Poisons Information centre if you feel that you have been poisoned by this product.
Phone 13 1126 from anywhere in Australia 24 hours a day, 7 days a week. If possible have a copy of this SDS when you call.



Section 4 - First Aid Measures (Cont)

Swallowed: Do not induce vomiting. Rinse mouth with water.

Skin: Remove contaminated clothing and wash skin thoroughly with soap and water.

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

Inhaled: Remove from exposure, rest and keep warm.

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.

Aggravated medical conditions:

Pre-existing skin disorders, pre-sensitisation to acrylates. Compromised respiratory function.

Section 5 - Fire Fighting Measures

HAZCHEM Code: None

Extinguishant: Foam. Water or Dry agent .

Risk of violent reaction or explosion: No.

Products of combustion: Oxides of carbon, water vapour, black smoke. Incomplete combustion may release acrylate monomers.

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

Section 6 - Accidental Release Measures

Emergency Procedures:

Contains spills and prevent from entering drains or waterways. The small spherical nature of the product produces a slip hazard. Clean up spills promptly.

For large spills: Contain spillage using sand or earth. Handle carefully to avoid making the polymer becoming airborne. Transfer to suitable container.

For small spills: Handle carefully to avoid making the polymer becoming airborne. Transfer to suitable container.



Section 7 - Handling and Storage

Precautions for safe handling:

Avoid contact with skin and eyes. Protect from heat and direct sunlight and keep caps of containers tightly closed.

Conditions for safe storage:

Store in a cool, well ventilated place, out of reach of children. Store in original container. Keep container tightly closed out of direct sunlight in a cool place. Keep away from oxidising agents. Clean up all spills promptly; avoid secondary accidents.

Incompatibles:

Oxidising agents,

Section 8 - Exposure Control and Personal Protection

National Exposure Standards:

ES-TWA: Benzoyl peroxide 5mg/m³
Nuisance dust 10mg/m³

ES-PEAK: None assigned.

Biological Limit Values: No data.

Engineering Controls:

Ensure adequate ventilation in the work area.

Personal Protective Equipment:

Avoid contact with skin and eyes. Avoid breathing dust. Personal protection should take the form of safety eye wear and the use of gloves in sensitised individuals.

Section 9 - Physical and Chemical Properties

Appearance: Fine white or pink powder

Odour: Faint acrylate odour

pH: No data.

Vapour Pressure: None

Vapour Density: Not applicable

Boiling Point: No data.

Melting Point: No data.

Volatiles: Trace

Volatile Organic Compounds (VOC): Trace

Evaporation Rate: No data

Solubilities: Insoluble in water @ 20 °C

Specific Gravity/Density: No data

Flash Point: 304 °C (Tag closed cup)

Flammable Limits: No data

Dust Explosion: Yes. Polymer powder is combustible. Explosive limits similar to coal dust.

Auto-ignition Temperature: No data.



Section 10 - Stability and Reactivity

Chemical Stability: Stable under normal conditions.

Conditions to Avoid: Incompatible materials, heat, light.

Incompatible Materials: Oxidising agents

Hazardous Decomposition Products: Acrylate monomers, Oxides of carbon when burned.

Hazardous Reactions: Contain with strong oxidizing 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 GIT irritation.

Skin: Irritating to skin. May cause sensitivity reactions.

Eyes: Irritating to eyes. May cause sensitivity reactions.

Inhaled: May cause irritation of nose, throat and upper respiratory system.

Chronic: Repeated or prolonged skin contact may cause allergic skin rashes, itching and swelling which becomes evident on re-exposure to this product.

LD50: 7,990mg/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 readily transported by water.

Environmental Fate: No data.

Bioaccumulative potential: No data.

Other adverse environmental effects: No data.



Section 13—Disposal considerations

Small Spills and empty containers: Wrap in paper and dispose with regular waste.

Large spills: Wrap in paper and contain in plastic or metal container. Contact local council or a commercial waster disposal service for disposal method.

NOT suitable for disposal into drainage. Potentially toxic to marine organisms.

Section 14 - Transport Information

UN Number: None assigned

UN Proper shipping name: Polymer powder

Class and subsidiary risk: None assigned

Packaging group: None assigned

Special precautions for user: Keep away from oxidizing agents and protect from sunlight.

HAZCHEM Code: None assigned

Material for export: Not regulated

Section 15 - Regulatory Information

Poisons (SUSMP): Not regulated

Dangerous Goods: No

Carcinogen:	Australia	IARC	NTP	RTECS
Polymethacrylate	No.	No.	No.	No.
Benzoyl peroxide	No	Grp 3	No	Yes

Agricultural and Veterinary Chemicals Act: No data.

Australian Inventory of Chemical Substances (AICS): Listed.

Section 16 - Other Information

Date of SDS preparation: March 2013

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).

NPT - National Toxicology Program (USA).

RTECS - Registry of Toxic Effects of Chemical Substances.

HSE - Health and Safety Executive (United Kingdom).



Section 16 - Other information (Cont)

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.

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