



SAFETY DATA SHEET

PUG Fortify Gel

Section 1. Identification

Product identifier: PUG Fortify Gel

Appearance: Clear (see Section 9)

Other means of identification: Not available

Product type: Liquid gel

Recommended use: Professional nail gel product for use by trained and qualified nail technicians. Not for retail or unsupervised consumer use.

Supplier details

Planet Nails Distribution Pty Ltd
8 Conara Road, Kunda Park, 4556 Queensland Australia
Phone: (07) 5211 0031
Email: info@planetnails.com.au

Emergency contact information

Emergency telephone: (07) 5211 0031 (business hours)

Poisons Information Centre: 13 11 26 (Australia, 24 hours)

Document control

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Version: 1.0

Section 2. Hazards Identification

GHS classification: This material is considered hazardous under the Globally Harmonized System (GHS) as adopted in the Work Health and Safety Regulations.

SKIN IRRITATION - Category 2

EYE IRRITATION - Category 2A

SKIN SENSITIZATION - Category 1

SPECIFIC TARGET ORGAN TOXICITY (SINGLE EXPOSURE) (Respiratory tract irritation) - Category 3

Signal word

WARNING

Hazard pictogram

GHS07 — Exclamation mark

Hazard statements

- H315 — Causes skin irritation.
- H317 — May cause an allergic skin reaction.
- H319 — Causes serious eye irritation.
- H335 — May cause respiratory irritation.



Precautionary statements

Prevention:

Wear protective gloves. Wear eye or face protection. Use only outdoors or in a well-ventilated area. Avoid breathing vapour. Wash thoroughly after handling. Contaminated work clothing must not be allowed out of the workplace.

Response:

IF INHALED: Remove person to fresh air and keep comfortable for breathing. Call the Poisons Information Centre on 13 11 26 or a doctor if you feel unwell. Take off contaminated clothing and wash it before reuse. IF ON SKIN: Wash with plenty of water. If skin irritation or rash occurs: Get medical advice or attention. IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. If eye irritation persists: Get medical advice or attention.

Storage:

Store locked up. Store in a well-ventilated place. Keep container tightly closed.

Disposal:

Dispose of contents and container in accordance with all local, state and Commonwealth regulations (see Section 13).

Scheduled poison classification

Not currently scheduled under the Poisons Standard (SUSMP). To be reviewed if formulation changes.

Hazards not otherwise classified

None known.

Section 3. Composition/Information on Ingredients

Mixture. Any concentration shown as a range is to protect confidentiality or is due to batch variation. Occupational exposure limits, where available, are listed in Section 8.

Ingredient name	%	CAS number
Isobornyl methacrylate	≥10 - ≤25	7534-94-3
Bis-HEA SMDI/PPG-6 Copolymer	≤5	Proprietary
Trimethylolpropane trimethacrylate esters	≤5	3290-92-4

Section 4. First Aid Measures

Description of necessary first aid measures

Eye contact: Immediately flush eyes with plenty of water, occasionally lifting the upper and lower eyelids. Check for and remove any contact lenses. Continue to rinse for at least 10 minutes. Get medical attention.

Skin contact: Wash with plenty of soap and water. Remove contaminated clothing and shoes. Wash contaminated clothing thoroughly with water before removing it, or wear gloves. Continue to rinse for at least 10 minutes. Get medical attention. In the event of any complaints or symptoms, avoid further exposure. Wash clothing before reuse. Clean shoes thoroughly before reuse.

Inhalation: Remove victim to fresh air and keep at rest in a position comfortable for breathing. If it is suspected that fumes are still present, the rescuer should wear an appropriate mask or self-contained breathing apparatus. If not breathing, if breathing is irregular or if respiratory arrest occurs, provide

artificial respiration or oxygen by trained personnel. Get medical attention. Call the Poisons Information Centre on 13 11 26 if necessary.

Ingestion: Wash out mouth with water. Remove dentures if any. If material has been swallowed and the exposed person is conscious, give small quantities of water to drink. Do not induce vomiting unless directed to do so by medical personnel. Get medical attention or call the Poisons Information Centre on 13 11 26. Never give anything by mouth to an unconscious person.

Most important symptoms/effects, acute and delayed

Inhalation: May cause respiratory irritation.

Skin contact: Causes skin irritation. May cause an allergic skin reaction.

Eye contact: Causes serious eye irritation.

Indication of immediate medical attention and special treatment needed

Treat symptomatically. Contact the Poisons Information Centre (13 11 26) immediately if large quantities have been ingested or inhaled. No specific antidote available.

Section 5. Fire-Fighting Measures

Suitable extinguishing media: Use an extinguishing agent suitable for the surrounding fire.

Unsuitable extinguishing media: None known.

Specific hazards arising from the chemical: In a fire or if heated, a pressure increase will occur and the container may burst.

Hazardous thermal decomposition products: May include carbon dioxide, carbon monoxide and metal oxide/oxides.

Special protective equipment for fire-fighters: Fire-fighters should wear appropriate protective equipment and self-contained breathing apparatus (SCBA) with a full face-piece operated in positive pressure mode.

Section 6. Accidental Release Measures

Personal precautions: No action shall be taken involving any personal risk or without suitable training. Evacuate surrounding areas. Avoid breathing vapour or mist. Provide adequate ventilation. Put on appropriate personal protective equipment.

Environmental precautions: Avoid dispersal of spilled material and runoff and contact with soil, waterways, drains and sewers. Inform the relevant state EPA if the product has caused environmental pollution.

Small spill: Stop leak if without risk. Dilute with water and mop up if water-soluble, or absorb with an inert dry material and place in an appropriate waste disposal container. Dispose of via a licensed waste disposal contractor.

Large spill: Stop leak if without risk. Move containers from spill area. Contain and collect spillage with non-combustible, absorbent material (e.g. sand, earth, vermiculite) and place in a container for disposal in accordance with Section 13. Dispose of via a licensed waste disposal contractor.

Section 7. Handling and Storage

Precautions for safe handling

Put on appropriate personal protective equipment (see Section 8). Persons with a history of skin sensitisation should not be employed in any process using this product. Do not get in eyes or on skin or clothing. Do not ingest. Avoid breathing vapour or mist. Use only with adequate ventilation. Keep in the

original container, tightly closed when not in use. Empty containers retain product residue and can be hazardous — do not reuse.

Conditions for safe storage, including any incompatibilities

Shield from UV light sources. Do not store above 38°C (100.4°F). Store in original container protected from direct sunlight in a dry, cool and well-ventilated area, away from incompatible materials and food and drink. Store locked up. Keep container tightly closed and sealed until ready for use. Do not store in unlabelled containers. Inhibitor requires oxygen to function — maintain proper headspace and re-aerate the product by mixing every 3 months.

Section 8. Exposure Controls/Personal Protection

Safe Work Australia Workplace Exposure Standards (WES)

Ingredient name	Exposure standard
Isobornyl methacrylate	Not established
Bis-HEA SMDI/PPG-6 Copolymer	Not established
Trimethylolpropane trimethacrylate esters	Not established

Appropriate engineering controls

Use only with adequate ventilation. If operations generate dust, fumes, gas, vapour or mist, use process enclosures, local exhaust ventilation or other engineering controls to keep worker exposure below recommended or statutory limits.

Individual protection measures

Eye/face protection: Chemical splash goggles complying with AS/NZS 1337 should be worn when a risk assessment indicates this is necessary.

Hand protection: Chemical-resistant, impervious gloves should be worn at all times when handling this product, in line with a risk assessment. Check gloves regularly for breakthrough and degradation.

Respiratory protection: Based on the hazard and potential for exposure, select a respirator that meets AS/NZS 1715 and AS/NZS 1716. Respirators must be used according to a respiratory protection program.

Body protection: Select body protection based on the task and risks involved.

Hygiene measures: Wash hands, forearms and face thoroughly after handling, before eating, smoking and using the lavatory, and at the end of the working period. Ensure eyewash stations and safety showers are close to the workstation.

Section 9. Physical and Chemical Properties

Property	Value
Physical state	Liquid gel
Appearance / colour	Clear
Odour	Characteristic acrylate odour
pH	Not available
Flash point	Closed cup: >93.3°C (>199.9°F)
Relative density	1.07



Property	Value
Solubility in water	Not available
Auto-ignition temperature	Not applicable
Viscosity	Not available

Section 10. Stability and Reactivity

Reactivity: No specific test data related to reactivity available for this product or its ingredients.

Chemical stability: The product is stable.

Possibility of hazardous reactions: Hazardous polymerisation may occur under certain conditions of storage or use. These could cause the product to polymerise exothermically. Contact with incompatible materials should be avoided.

Conditions to avoid: No specific data.

Hazardous decomposition products: Under normal conditions of storage and use, hazardous decomposition products should not be produced.

Section 11. Toxicological Information

Information on the likely routes of exposure

Inhalation: May cause respiratory irritation.

Ingestion: No known significant effects or critical hazards.

Skin contact: Causes skin irritation. May cause an allergic skin reaction.

Eye contact: Causes serious eye irritation.

Carcinogenicity, mutagenicity, reproductive toxicity

No known significant effects or critical hazards.

Acute toxicity estimate

Oral (product): 3,774.2 mg/kg. Dermal / inhalation: not available.

Sensitisation

May cause an allergic skin reaction. Once sensitised, a severe allergic reaction may occur when subsequently exposed to very low levels.

Specific target organ toxicity (single exposure)

Isobornyl methacrylate — Category 3, Respiratory tract irritation.

Section 12. Ecological Information

Toxicity: Trimethylolpropane trimethacrylate esters: Acute LC50 (fish, 96 hrs) 2 mg/l; Acute EC50 (algae, 72 hrs) 3.88 mg/l.

Persistence and degradability: Not available.

Bioaccumulative potential: Isobornyl methacrylate: high potential (LogPow 5.09).
Trimethylolpropane trimethacrylate esters: low potential (LogPow 2.749).

Mobility in soil: Not available.

Other adverse effects: No known significant effects or critical hazards.



Section 13. Disposal Considerations

The generation of waste should be avoided or minimised wherever possible. Disposal of this product, solutions and any by-products must comply with the Protection of the Environment Operations Act and relevant state/territory EPA guidelines, as well as any regional or local authority requirements. Dispose of surplus and non-recyclable product via a licensed waste disposal contractor. Waste should not be disposed of untreated to sewer. Waste packaging should be recycled where possible; incineration or landfill should only be considered when recycling is not feasible. Empty containers or liners may retain product residue — handle with care.

Section 14. Transport Information

	ADG Code (Australia)	IMDG	IATA
UN number	Not regulated	Not regulated	Not regulated
UN proper shipping name	-	-	-
Transport hazard class(es)	-	-	-
Packing group	-	-	-
Environmental hazards	No	No	No

Special precautions for user: Transport within user's premises: always transport in closed containers that are upright and secure. Ensure that persons transporting the product know what to do in the event of an accident or spillage.

Section 15. Regulatory Information

Australia

- Work Health and Safety Act 2011 (Cth) and corresponding state/territory WHS Acts
- Poisons Standard (SUSMP) — see Section 2 for scheduling status
- Australian Industrial Chemicals Introduction Scheme (AICIS)

New Zealand

- Hazardous Substances and New Organisms (HSNO) Act 1996
- Health and Safety at Work Act 2015

Classification

SKIN IRRITATION - Category 2; EYE IRRITATION - Category 2A; SKIN SENSITIZATION - Category 1; SPECIFIC TARGET ORGAN TOXICITY (SINGLE EXPOSURE) (Respiratory tract irritation) - Category 3.

Section 16. Other Information

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Key to abbreviations

ATE = Acute Toxicity Estimate; BCF = Bioconcentration Factor; GHS = Globally Harmonized System of Classification and Labelling of Chemicals; IATA = International Air Transport Association; IMDG = International Maritime Dangerous Goods; LogPow = logarithm of the octanol/water partition coefficient;

N/A = Not available; TWA = Time-Weighted Average; UN = United Nations; WES = Workplace Exposure Standard; ADG = Australian Dangerous Goods.

Notice to reader

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