



SAFETY DATA SHEET

PUGGLE Hard Gel Liquid Builder

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SECTION 1. IDENTIFICATION

Product Name: PUGGLE Hard Gel Liquid Builder

Product Range: Planet Nails

Product Type: UV/LED Curing Hard Gel Liquid Builder — viscous liquid, used to create hard/file-off nail enhancements.

Identified Uses: Professional cosmetic hard gel builder for nail technician use.

Uses Advised Against: Not for use in manufacture of food products. Not for use by untrained individuals.

Supplier: Planet Nails Distribution Pty Ltd

Address: 8 Conara Road, Kunda Park, 4556 Queensland Australia

Phone: (07) 5211 0031

Email: info@planetnails.com.au

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

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

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SECTION 2. HAZARDS IDENTIFICATION

GHS Classification (in accordance with Safe Work Australia):

- Skin Irritation: Category 2 (H315)
- Skin Sensitisation: Category 1 (H317)
- Eye Irritation: Category 2 (H319)
- Aquatic Chronic Hazard: Category 3 (H412)

Signal Word: WARNING

Hazard Statements:

- H315 — Causes skin irritation.
- H317 — May cause an allergic skin reaction.
- H319 — Causes serious eye irritation.
- H412 — Harmful to aquatic life with long lasting effects.
- EUH208 — Contains ethyl trimethylbenzoyl phenylphosphinate. May produce an allergic reaction.

Precautionary Statements — Prevention:

- P101 — If medical advice is needed, have product container or label at hand.
- P102 — Keep out of reach of children.
- P261 — Avoid breathing mist/vapours/spray.
- P264 — Wash hands and affected body parts thoroughly after handling.
- P273 — Avoid release to the environment.
- P280 — Wear protective gloves and eye protection.

Precautionary Statements — Response:

- P302+P352 — IF ON SKIN: Wash with plenty of water and soap.
- P333+P313 — If skin irritation or rash occurs: Get medical advice/attention.
- P362+P364 — Take off contaminated clothing and wash before reuse.
- P305+P351+P338 — IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses if present and easy to do. Continue rinsing.
- P337+P313 — If eye irritation persists: Get medical advice/attention.
- P312 — Call the Poisons Information Centre (13 11 26) or a doctor if you feel unwell.



Precautionary Statements — Disposal:

- P501 — Dispose of contents/container in accordance with local, state, national and international regulations.

Scheduled Poison: Not currently scheduled under the Poisons Standard (SUSMP). Review if formulation changes.

Other Hazards: Product does not meet the criteria for PBT or vPvB. Based on available data, the mixture does not contain ingredients considered to have endocrine disrupting properties at a concentration of 0.1% or more.

SECTION 3. COMPOSITION / INFORMATION ON INGREDIENTS

Substance/Mixture: Mixture of acrylic monomers and other ingredients.

Chemical Name: PUGGLE Hard Gel Liquid Builder

Ingredient Name (INCI)	CAS No.	EC No.	Conc. (%)	GHS Classification
ALIPHATIC URETHANE METHACRYLATE (Polyurethane methacrylate copolymer, IPDI-based)	82339-26-2	817-894-0	35–40	Skin Irrit. 2 (H315) Eye Irrit. 2 (H319)
BIS-HEMA POLYNEOPENTYL GLYCOL ADIPATE/IPDI COPOLYMER	82339-16-0	810-131-2	30–35	Skin Irrit. 2 (H315) Eye Irrit. 2 (H319)
TRIMETHYLOLPROPANE TRIMETHACRYLATE	3290-92-4	221-950-4	10–15	Aquatic Chronic 2 (H411)
ISOBORNYL METHACRYLATE	7534-94-3	231-403-1	5–10	Skin Irrit. 2 (H315) Eye Irrit. 2 (H319) STOT SE 3 (H335) Aquatic Chronic 3 (H412)
HYDROXYPROPYL METHACRYLATE	27813-02-1	248-666-3	5–10	Skin Sens. 1 (H317) Eye Irrit. 2 (H319)
ETHYL TRIMETHYLBENZOYL PHENYLPHOSPHINATE	84434-11-7	282-810-6	<1	Skin Sens. 1B (H317) Aquatic Chronic 2 (H411)

Any concentration shown as a range is to protect confidentiality or is due to batch variation. Ingredients are listed in accordance with the Australian Industrial Chemicals Introduction Scheme (AICIS). There are no additional ingredients present which, within current knowledge and at the concentrations applicable, are classified as hazardous to health or the environment.

SECTION 4. FIRST AID MEASURES

General Advice: Remove contaminated clothing immediately.

Eye Contact: Flush eyes with plenty of water for at least 10 minutes, occasionally lifting the upper and lower eyelids. Check for and remove any contact lenses. Seek medical attention if symptoms persist. Contact Poisons Information Centre: 13 11 26.

Skin Contact: Wash with plenty of soap and water. Remove contaminated clothing and shoes. Continue to rinse for at least 10 minutes. Seek medical attention if irritation, rash or allergic reaction develops.

Inhalation: Remove person to fresh air and keep at rest in a position comfortable for breathing. If not breathing or breathing is irregular, provide artificial respiration by trained personnel. Seek immediate medical attention if symptoms persist or are severe.

Ingestion: Wash out mouth with water. If conscious, give small amounts of water to drink — stop if the person feels sick. Do NOT induce vomiting unless directed by medical personnel. Keep person calm. If unconscious,



place in recovery position and seek immediate medical attention. Contact Poisons Information Centre: 13 11 26.

Most Important Symptoms:

- Eye contact: Conjunctivitis, lacrimation, redness and swelling of eyes, watering.
- Skin contact: Irritation, swelling, redness of skin, dermatitis, blistering, possible sensitisation.
- Inhalation: No known significant effects or critical hazards under normal use conditions.
- Ingestion: No known significant effects or critical hazards.

Notes to Physician: Treat symptomatically (decontamination, vital functions). No known specific antidote. Contact Poisons Information Centre: 13 11 26.

SECTION 5. FIRE-FIGHTING MEASURES

Suitable Extinguishing Media: Use an extinguishing agent suitable for the surrounding fire (foam, dry chemical powder or carbon dioxide).

Unsuitable Extinguishing Media: Do not use full-power water jet.

Specific Hazards: In a fire or if heated, a pressure increase will occur and the container may burst. Decomposition products may include carbon dioxide, carbon monoxide, and other unidentified organic/inorganic substances. This material is harmful to aquatic life with long lasting effects — fire water contaminated with this material must be contained and prevented from discharging to any waterways, sewer or drain.

Protective Equipment for Fire-Fighters: Wear self-contained breathing apparatus (SCBA) and full protective clothing. If water is used to cool closed containers, fog nozzles are preferred. During emergency conditions, overexposure to decomposition products may cause health hazards — seek medical attention.

SECTION 6. ACCIDENTAL RELEASE MEASURES

Personal Precautions: No action shall be taken involving personal risk or without suitable training. Evacuate surrounding areas. Keep unnecessary and unprotected personnel from entering. Do not touch or walk through spilled material. Avoid breathing vapour. Provide adequate ventilation. Wear appropriate PPE — refer to Section 8.

Environmental Precautions: Avoid dispersal of spilled material and runoff and contact with soil, waterways, drains and sewers. Inform relevant authorities if the product has caused environmental pollution. Water polluting material — may be harmful to the environment if released in large quantities.

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

Large Spill: Stop leak if without risk. Move containers from spill area. Approach from upwind. Prevent entry into sewers, waterways, basements or confined areas. Contain and collect spillage with non-combustible absorbent material (sand, earth, vermiculite or diatomaceous earth). Dispose of via a licensed waste disposal contractor. Contaminated absorbent material may pose the same hazard as the spilled product.

SECTION 7. HANDLING AND STORAGE

Handling: Wear appropriate PPE (see Section 8). Persons with a history of skin sensitisation should not handle this product. Do not get in eyes, on skin or clothing. Do not ingest. Avoid breathing vapour. Avoid release to the environment. Keep in original container, tightly closed when not in use. Empty containers retain product residue and can be hazardous — do not reuse. Wash hands before breaks and after finishing work. Do not eat, drink or smoke while working. Use dispensing equipment to minimise skin or eye contact risk.

Storage: Store in a clean, dry area. Store in original container, protected from direct sunlight, in a cool and well-ventilated area. Store away from incompatible materials (see Section 10) and food and drink. Keep container tightly closed and sealed until ready for use. Resealed containers must be kept upright to prevent leakage. Do not store in unlabelled containers. Use appropriate containment to avoid environmental contamination.

Specific End Use: Product is for professional use only.

SECTION 8. EXPOSURE CONTROLS / PERSONAL PROTECTION



Workplace Exposure Standards (WES): Refer to Safe Work Australia's current Workplace Exposure Standards for Airborne Contaminants for applicable WES values for individual components. Safe Work Australia: www.safeworkaustralia.gov.au

Engineering Controls: Ensure good ventilation/extraction.

Respiratory Protection: Ensure adequate ventilation. Wear an approved respirator fitted with an organic vapour cartridge (compliant with AS/NZS 1715/1716) if the product is used in a poorly ventilated area.

Eye/Face Protection: Wear safety glasses with side shields or chemical safety goggles (compliant with AS/NZS 1337) where there is a risk of splashing.

Hand/Skin Protection: Wear chemical-resistant protective gloves (compliant with EN 374 or AS/NZS 2161). Note that the working life of chemical-resistant gloves may be shorter than the permeation time determined under EN 374 due to factors such as temperature. Replace gloves if signs of wear or deterioration are noticed. Wear suitable protective clothing.

Hygiene Measures: No eating, drinking or smoking in work areas. Wash hands and face before eating, drinking or smoking. Remove contaminated clothing and protective equipment before entering eating areas. Wash contaminated clothing before reusing.

SECTION 9. PHYSICAL AND CHEMICAL PROPERTIES

Appearance: Viscous liquid

Colour: Transparent, slightly yellow

Odour: Not available

pH: Not applicable

Melting Point/Freezing Point: Not available

Boiling Point/Range: Not available

Flash Point: Not available

Flammability: Not available

Lower/Upper Explosion Limits: Not available

Decomposition Temperature: Not available

Kinematic Viscosity: Not available

Solubility: Not available

Partition Coefficient (n-octanol/water): Not available

Vapour Pressure: Not available

Relative Density: Not available

Relative Vapour Density: Not available

Explosive/Oxidising Properties: Not available

Polymerisation: Will occur under UV/LED irradiation. Accompanied by heat generation.

SECTION 10. STABILITY AND REACTIVITY

Reactivity: No hazardous reactions if stored and handled as described in this SDS.

Chemical Stability: Stable under recommended storage conditions.

Possibility of Hazardous Reactions: Stable under recommended storage conditions.

Conditions to Avoid: Direct sunlight, unclean storage conditions, heat.

Incompatible Materials: None known.

Hazardous Decomposition Products: Fumes produced when heated to decomposition may include toxic carbon monoxide and carbon dioxide.

SECTION 11. TOXICOLOGICAL INFORMATION

Acute Toxicity: ATE mixture (oral/inhalation/dermal) calculation: >2,000 mg/kg — based on available data, classification criteria not met. Component data: Trimethylolpropane Trimethacrylate LD50 Oral (Rat) >2,000



mg/kg bw; Isobornyl Methacrylate LD50 Oral (Rat) >2,000 mg/kg bw; Hydroxypropyl Methacrylate LD50 Oral (Rat) >2,000 mg/kg bw; Ethyl Trimethylbenzoyl Phenylphosphinate LD50 Oral (Rat) >5,000 mg/kg bw.

Skin Irritation: Classified as Skin Irrit. 2 (H315) — causes skin irritation. Symptoms: irritation, swelling, redness, dermatitis, blistering.

Skin Sensitisation: Classified as Skin Sens. 1 (H317) — may cause an allergic skin reaction. Ethyl Trimethylbenzoyl Phenylphosphinate tested Category 1B (OECD 429, EC3: 16.4%).

Eye Irritation: Classified as Eye Irrit. 2 (H319) — causes serious eye irritation. Symptoms: conjunctivitis, lacrimation, redness, swelling, watering.

Specific Target Organ Toxicity — Single Exposure: Isobornyl Methacrylate may cause respiratory irritation (Category 3) via inhalation route, affecting the respiratory tract.

Inhalation: No known significant effects or critical hazards under normal conditions of use.

Ingestion: No known significant effects or critical hazards.

Germ Cell Mutagenicity, Carcinogenicity, Reproductive Toxicity: Based on available data, classification criteria not met for any of these endpoints.

Endocrine Disrupting Properties: Based on available data, the mixture does not contain ingredients considered to have endocrine disrupting properties at a concentration of 0.1% or more.

SECTION 12. ECOLOGICAL INFORMATION

Aquatic Toxicity: Classified as Aquatic Chronic 3 (H412) — harmful to aquatic life with long lasting effects. Component data: Trimethylolpropane Trimethacrylate LC50 (96h, fish) 2 mg/L; Isobornyl Methacrylate LC50 (96h, fish) 1.79 mg/L; Ethyl Trimethylbenzoyl Phenylphosphinate LC50 (96h, fish) 1.89 mg/L, EC50 (48h, Daphnia magna) 2.26 mg/L.

Persistence and Degradability: Trimethylolpropane Trimethacrylate: inherently biodegradable (53% in 28 days). Isobornyl Methacrylate: readily biodegradable (70% in 28 days). Ethyl Trimethylbenzoyl Phenylphosphinate: not readily biodegradable (<10% in 28 days).

Bioaccumulative Potential: Trimethylolpropane Trimethacrylate: Log BCF 2.432. Isobornyl Methacrylate: BCF 37 (dimensionless). Ethyl Trimethylbenzoyl Phenylphosphinate: low bioaccumulation potential (log Kow ≤3).

Mobility in Soil: Trimethylolpropane Trimethacrylate: Koc 1,757 at 20°C. Isobornyl Methacrylate: mean log Koc 3.7. Ethyl Trimethylbenzoyl Phenylphosphinate: log Koc 3.37.

PBT/vPvB Assessment: Product does not fulfil PBT or vPvB criteria.

Other Adverse Effects: No known significant effects or critical hazards. Avoid dispersal of product into waterways, drains or soil.

SECTION 13. DISPOSAL CONSIDERATIONS

Disposal Method: Minimise waste generation wherever possible. Dispose of surplus and non-recyclable products via a licensed waste disposal contractor in accordance with Commonwealth, State/Territory and local government regulations (including the Protection of the Environment Operations Act and relevant EPA guidelines). Waste should not be disposed of untreated to sewer unless fully compliant with the requirements of all relevant authorities.

Hazardous Waste: This product is regarded as hazardous waste. Dispose of accordingly.

Packaging Disposal: This material and its container must be disposed of in a safe way. Care should be taken when handling emptied containers that have not been cleaned or rinsed out — they may retain product residue. Recycle packaging where possible.

SECTION 14. TRANSPORT INFORMATION

	ADG (Australia)	IMDG (Sea)	IATA (Air)	ADR/RID
UN Number	Not regulated	Not regulated	Not regulated	Not regulated
UN Proper Shipping	—	—	—	—



Name				
Transport Hazard Class	—	—	—	—
Packing Group	—	—	—	—
Environmental Hazards	No	No	No	No

Dangerous Goods Classification: This product is not classified as dangerous goods under the Australian Dangerous Goods Code (ADG) or international transport regulations (IMDG, IATA, ADR/RID).

Maritime Transport in Bulk: Not applicable.

Shipping Notes: Handle with care to prevent packaging and container damage. Store and transport away from heat and UV light sources.

SECTION 15. REGULATORY INFORMATION

Australia:

- Work Health and Safety (WHS) Act 2011 (Cth) and associated WHS Regulations (Commonwealth, State and Territory).
- Safe Work Australia — Model Code of Practice: Managing Risks of Hazardous Chemicals in the Workplace.
- Standard for the Uniform Scheduling of Medicines and Poisons (SUSMP / Poisons Standard) — not currently scheduled.
- Australian Industrial Chemicals Introduction Scheme (AICIS) — All ingredients are listed or exempt from listing on the Australian Inventory of Industrial Chemicals.
- Protection of the Environment Operations Act 1997 and equivalent state/territory environmental legislation.

New Zealand:

- Hazardous Substances and New Organisms (HSNO) Act 1996 applies for NZ customers.
- Health and Safety at Work Act 2015 (NZ) and relevant WorkSafe New Zealand requirements.

SECTION 16. OTHER INFORMATION

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Prepared by: Planet Nails Distribution Pty Ltd

Key Abbreviations:

- AICIS: Australian Industrial Chemicals Introduction Scheme
- ATE: Acute Toxicity Estimate
- BCF: Bioconcentration Factor
- CAS: Chemical Abstracts Service
- EUH208: Hazard statement — Contains a sensitising substance
- GHS: Globally Harmonised System of Classification and Labelling of Chemicals
- INCI: International Nomenclature of Cosmetic Ingredients
- LC50: Median Lethal Concentration
- LD50: Median Lethal Dose
- PBT: Persistent, Bioaccumulative and Toxic
- STOT SE: Specific Target Organ Toxicity — Single Exposure
- SUSMP: Standard for the Uniform Scheduling of Medicines and Poisons
- vPvB: Very Persistent, Very Bioaccumulative



- WES: Workplace Exposure Standard
- WHS: Work Health and Safety

Notice to Reader

To the best of our knowledge, the information contained herein is accurate as at the issue date. However, Planet Nails Distribution Pty Ltd does not assume any liability for the accuracy or completeness of the information contained herein. Final determination of suitability of any material is the sole responsibility of the user. All materials may present unknown hazards and should be used with caution. This SDS supersedes all previous versions. Workers must read, understand and apply the requirements of this SDS.