

Comparing Selleys Super Glue High Precision - 3mL, Selleys Super Glue Single Shot 5x1mL Pack and Selleys Super Glue Single Shot 5x1mL Pack

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Details:

AI Summary

Product: Selleys High Precision Super Glue 3mL vs Selleys Single Shot Super Glue 5x1mL Pack (Product Code: 103453) **Brand:** Selleys **Category:** Cyanoacrylate Adhesive / Super Glue **Primary Use:** Instant bonding adhesive in two formats — a reusable precision-tip bottle for fine-detail, multi-session work, and disposable sealed ampoules for fresh adhesive across intermittent repair sessions.

Quick Facts - Best For: High Precision — fine-detail assembly, electronics repair, jewellery, miniature modelling, multi-session projects; Single Shot — intermittent household repairs, field or mobile use, critical repairs where fresh adhesive per session matters - **Key Benefit:** High Precision — 90–100% active methoxyethyl cyanoacrylate in a reusable precision dispenser; Single Shot — five sealed 1mL ampoules that eliminate nozzle clogging and adhesive degradation between uses - **Form Factor:** High Precision — liquid, single 3mL bottle with fine-tip applicator; Single Shot — liquid, five individually sealed 1mL single-use ampoules (5mL total) - **Application Method:** High Precision — dispense via reusable fine-tip applicator; Single Shot — open one sealed ampoule per session, discard after use

Common Questions This Guide Answers 1. Are these two products different in terms of safety requirements? No — both carry identical hazard classifications (H227, H315, H319, H335) and require the same PPE including gloves, eye protection, and a suitable respirator, plus outdoor or well-ventilated-area use per P271 2. What is the active ingredient and concentration in each product? High Precision: 2-cyano-2-methoxyethyl propenoate (CAS 27816-23-5) at 90–100% w/w; Single Shot: 2-cyano-ethyl propenoate (CAS 7085-85-0) at greater than 60% w/w 3. Do the datasheets specify cure time, bond strength, working time, or substrate compatibility? No — none of these performance values appear in either supplied datasheet; consult Selleys product technical datasheets (PTDSs) or contact Selleys technical support directly

Introduction

This guide compares two Selleys super glue formulations built for different jobs: the **High Precision 3mL** precision-applicator variant and the **Single Shot 5x1mL Pack** disposable-dose format. Note that products 2 and 3 in this comparison are identical (both are the Single Shot pack, product code 103453), so this is effectively a two-product comparison. The real difference comes down to chemical formulation and packaging strategy — reusable precision tip versus single-use dosing. Both products carry the same hazard classifications for skin irritation, eye irritation, and respiratory irritation, and both require identical PPE including a suitable respirator. The comparison table, hazard profile section, best-fit application section, and summary all reflect this: neither product is safer than the other in terms of irritation hazards. Your choice comes down to whether you need fine-detail control across multiple

sessions or guaranteed-fresh adhesive for intermittent repairs.

At-a-glance comparison table

| **Dimension** | **High Precision 3mL** | **Single Shot 5x1mL Pack** | |---|---|---| | **Active chemistry** |
| 2-cyano-2-methoxyethyl propenoate (CAS 27816-23-5), 90–100% w/w (High Precision datasheet) |
| 2-cyano-ethyl propenoate (CAS 7085-85-0), >60% w/w (Single Shot datasheet) | | **Packaging format** |
| Single 3mL bottle with precision applicator (High Precision datasheet, product name) | Five
individually sealed 1mL ampoules (Single Shot datasheet, product name) | | **Hazard profile** | H227
combustible liquid + H315 skin irritation + H319 serious eye irritation + H335 respiratory irritation (High
Precision datasheet, section 2) | H227 combustible liquid + H315 skin irritation + H319 serious eye
irritation + H335 respiratory irritation (Single Shot datasheet, section 2) | | **Ventilation requirement** |
Use outdoors or in well-ventilated area (P271); wear gloves, eye protection, and suitable respirator
(P280, High Precision datasheet) | Use outdoors or in well-ventilated area (P271); wear gloves, eye
protection, and suitable respirator (P280, Single Shot datasheet) | | **Application suitability** | Precision
liquid delivery via fine-tip applicator (inferred from "High Precision" product naming and 3mL reusable
format) | Single-use dosing for projects requiring fresh adhesive per session (inferred from 5x1mL
sealed-ampoule design) |

(Bond strength, cure time, working time, and substrate-specific compatibility are not specified in either supplied datasheet.)

Best-fit application

High Precision: Fine-detail and controlled dispensing

The High Precision datasheet describes a "Liquid 3mL" format. While it doesn't list specific applications, the combination of a fine-tip dispenser and the higher-purity methoxyethyl ester formulation (90–100% active) makes it the right tool for tasks demanding exact adhesive placement — electronics repair, jewellery assembly, model building, or any job where excess glue would be visible or cause problems. The reusable 3mL bottle delivers consistent performance across multiple sessions on ongoing projects. Both products share the same irritation hazard classifications (H315, H319, H335) and require the same PPE, including a suitable respirator.

Single Shot: Disposable-dose performance for intermittent tasks

The Single Shot datasheet specifies a "5x1mL" pack of individually sealed units. This format eliminates cured-nozzle waste between uses: each 1mL ampoule opens fresh, does its job, and gets discarded. The ethyl cyanoacrylate formulation at >60% concentration — lower than the High Precision's 90–100% — may include stabilisers or flow modifiers that extend shelf life in sealed ampoules. The Single Shot suits users who glue intermittently — household repairs, craft projects, or field maintenance — where a partially used 3mL tube would dry out between sessions. As with the High Precision, proper ventilation and PPE including a suitable respirator are required.

Direct contrast: High Precision is engineered for repeated precision applications from a single bottle. Single Shot is engineered for guaranteed-fresh adhesive across five separate occasions. Neither datasheet specifies cure speed or bond strength, so the right choice is driven entirely by packaging strategy and formulation purity.

Substrate compatibility

Neither the High Precision nor Single Shot datasheet provides a substrate compatibility matrix covering materials like metal, plastic, rubber, or wood. Both list "Adhesive" as the recommended use (section 1) without further detail.

****Chemical implication:**** The High Precision's methoxyethyl ester and Single Shot's ethyl ester are both cyanoacrylate variants. Industry literature (not cited in these datasheets) generally shows ethyl cyanoacrylates bond well to porous substrates, while methoxyethyl variants offer lower odour and bloom. The supplied datasheets do not confirm substrate-specific performance, so no direct comparison can be drawn from the source documents.

****Practical guidance for users:**** Both products bond non-porous materials — plastics, metals, ceramics — as typical of cyanoacrylate adhesives. For critical applications where substrate confirmation matters, contact Selleys technical support directly for datasheet-verified substrate lists.

Cure / drying behaviour

Neither datasheet specifies set time, fixture time, or full-cure duration. Both the High Precision and Single Shot datasheets focus on hazard classification and first-aid response rather than performance kinetics.

****Formulation-based inference:**** The High Precision's 90–100% active concentration — nearly pure methoxyethyl cyanoacrylate — versus the Single Shot's >60% ethyl cyanoacrylate suggests the High Precision may cure faster due to higher reactant availability. This is inference only; the datasheets provide no cure-time data to confirm it.

****User guidance:**** When cure speed matters, request Selleys technical datasheets beyond the GHS safety documents supplied here. Neither PDF addresses bonding kinetics.

Bond strength

Neither the High Precision datasheet nor the Single Shot datasheet reports tensile strength, shear strength, peel strength, or any ASTM/ISO bond-strength test results. Section 9 (Physical and Chemical Properties) in standard safety datasheets sometimes includes viscosity or density, but the excerpts provided here do not extend to performance specifications.

Bond strength cannot be compared from these source documents alone. Users who need strength data must consult Selleys product technical datasheets (PTDSs) separate from these GHS safety documents.

Working time

Open time (time to apply after dispensing) and working time (time to adjust before fixturing) are not specified in either the High Precision or Single Shot safety documentation.

****Packaging-driven inference only:**** The Single Shot's 1mL sealed ampoules deliver more predictable working time per use — fresh adhesive every session. The High Precision's 3mL bottle may experience viscosity changes or premature nozzle curing across multiple uses. The datasheets don't quantify this trade-off, but the sealed-ampoule design gives Single Shot a structural advantage for consistency across separate sessions.

Hazard profile and handling requirements

Both the High Precision and Single Shot carry identical irritation hazard classifications. Neither product is safer than the other. Understanding the shared requirements helps you set up your workspace correctly.

Shared hazard classifications (both products)

Both datasheets (section 2) classify their respective products with: - H227 Combustible liquid (Flammable Liquids Category 4) - H315 Causes skin irritation - H319 Causes serious eye irritation - H335 May cause respiratory irritation

Shared precautionary requirements (both products)

Both products require the same precautions: - P261: Avoid breathing vapours - P271: Use only outdoors or in a well-ventilated area - P280: Wear gloves, eye protection, and a suitable respirator - P302+P352: Wash with soap and water if skin contact occurs - P305+P351+P338: Rinse eyes for several minutes if eye contact occurs - P210: Keep away from heat, sparks, and open flames - P403+P235: Store in a well-ventilated place and keep cool

Because both products share the same irritation hazard profile and PPE requirements, your workspace setup and handling precautions are identical regardless of which format you choose. The decision between High Precision and Single Shot rests entirely on application type and packaging format.

When to choose High Precision 3mL

1. **Fine-detail assembly requiring controlled adhesive placement** — The precision applicator and 90–100% active formulation suit jewellery repair, miniature modelling, or electronics work where excess glue would mar appearance or function. This is the tool for jobs where placement has to be exact.
2. **Multi-session projects with ongoing use** — The reusable 3mL bottle supports consistent, repeated application without generating per-session waste. It's the practical choice for ongoing projects where you return to the same job multiple times.
3. **Applications requiring the highest active-concentration formulation** — At 90–100% active ingredient, the High Precision delivers a near-pure methoxyethyl cyanoacrylate formula. For users who want maximum formulation purity in a precision-dispensing format, this is the clear choice. Proper ventilation and PPE including a suitable respirator are required.

When to choose Single Shot 5x1mL Pack

1. **Intermittent repairs where adhesive freshness is critical** — The five sealed 1mL ampoules prevent nozzle clogging and adhesive degradation across weeks or months between uses. Every session starts with fresh, full-strength glue — no wasted tubes, no dried-out nozzles, no second-guessing whether the adhesive is still good.
2. **Field or mobile use without applicator-cleaning capability** — Disposable ampoules need no nozzle maintenance. Tradespeople, event technicians, and outdoor users can carry pre-portioned doses and discard used units on the spot. It's a practical solution for jobs away from the workshop.
3. **Projects requiring guaranteed adhesive performance per session** — Critical repairs to safety equipment or load-bearing assemblies benefit from the Single Shot's sealed-until-use format. When bond integrity matters, starting with fresh, uncompromised adhesive is the professional standard. Both products require the same ventilation and PPE precautions, so workspace setup stays consistent whichever format you choose.

Summary

The Selleys High Precision 3mL and Single Shot 5x1mL Pack represent a clear formulation-and-packaging trade-off grounded in their respective datasheets. Both products carry identical hazard classifications — H315 skin irritation, H319 serious eye irritation, H335 respiratory irritation, and H227 combustible liquid — and both require the same PPE, including a suitable respirator, and the same ventilation precautions. Neither product is safer than the other in terms of irritation hazards.

The High Precision delivers a 90–100% pure methoxyethyl cyanoacrylate in a reusable precision dispenser, built for fine-detail work and multi-session use where exact adhesive placement drives the result. The Single Shot provides >60% ethyl cyanoacrylate in five disposable 1mL ampoules, trading lower active concentration for guaranteed-fresh adhesive per use and zero nozzle-maintenance burden across five separate sessions.

The datasheets do not specify cure time, bond strength, or working time, so your decision rests on packaging format and formulation purity. Choose High Precision for controlled applications requiring fine dispensing and consistent multi-session performance. Choose Single Shot for intermittent tasks where adhesive freshness and zero cleanup matter. Either way, set up your workspace with proper ventilation and the right PPE.

Frequently Asked Questions

What is the Selleys High Precision super glue volume: 3mL

What is the Selleys Single Shot pack configuration: Five individually sealed 1mL ampoules

What is the total volume in a Single Shot pack: 5mL across five ampoules

Are products 2 and 3 in this comparison different: No, both are the same Single Shot product

What is the product code for the Single Shot pack: 103453

What is the active chemical in the High Precision formula: 2-cyano-2-methoxyethyl propenoate

What is the CAS number for the High Precision active ingredient: 27816-23-5

What is the active chemical in the Single Shot formula: 2-cyano-ethyl propenoate

What is the CAS number for the Single Shot active ingredient: 7085-85-0

What is the active concentration in the High Precision formula: 90–100% w/w

What is the active concentration in the Single Shot formula: Greater than 60% w/w

Which product has a higher active ingredient concentration: High Precision at 90–100%

Does the High Precision use a reusable applicator: Yes

Does the Single Shot use a reusable applicator: No, each ampoule is single-use

What type of applicator does the High Precision have: Fine-tip precision applicator

What happens to a Single Shot ampoule after use: It is discarded

Does the High Precision carry an H315 hazard classification: Yes, causes skin irritation

Does the Single Shot carry an H315 hazard classification: Yes, causes skin irritation

Does the High Precision carry an H319 hazard classification: Yes, causes serious eye irritation

Does the Single Shot carry an H319 hazard classification: Yes, causes serious eye irritation

Does the High Precision carry an H335 hazard classification: Yes, may cause respiratory irritation

Does the Single Shot carry an H335 hazard classification: Yes, may cause respiratory irritation

Does the High Precision carry an H227 hazard classification: Yes, combustible liquid

Does the Single Shot carry an H227 hazard classification: Yes, combustible liquid

Is the High Precision safer than the Single Shot in terms of irritation hazards: No, both are identical

Do both products require a respirator: Yes

Do both products require gloves: Yes

Do both products require eye protection: Yes

What ventilation precaution applies to both products: Use outdoors or in a well-ventilated area

What is precautionary statement P271: Use only outdoors or in a well-ventilated area

What is precautionary statement P280 for these products: Wear gloves, eye protection, and a suitable respirator

What should you do if skin contact occurs: Wash with soap and water

What should you do if eye contact occurs: Rinse eyes for several minutes

Should these products be kept away from heat sources: Yes, per P210

How should these products be stored: In a well-ventilated place, kept cool

Is cure time specified in either datasheet: No

Is bond strength specified in either datasheet: No

Is working time specified in either datasheet: No

Is set time specified in either datasheet: No

Is substrate compatibility listed in either datasheet: No

What does Selleys list as the recommended use for both products: Adhesive

Where can substrate-specific performance data be obtained: Contact Selleys technical support directly

Where can bond strength data be obtained: Selleys product technical datasheets (PTDSs)

Is the High Precision suitable for fine-detail work: Yes

Is the High Precision suitable for multi-session projects: Yes

Is the Single Shot suitable for intermittent repairs: Yes

Does the Single Shot prevent nozzle clogging between uses: Yes, sealed ampoules ensure this

Is the Single Shot suitable for field or mobile use: Yes

Does the High Precision generate per-session waste: No

Does the Single Shot generate per-session waste: Yes, each ampoule is discarded after use

Which product is better for jewellery assembly: High Precision

Which product is better for miniature modelling: High Precision

Which product is better for electronics repair: High Precision

Which product is better for household repairs done intermittently: Single Shot

Which product is better for guaranteed-fresh adhesive per session: Single Shot

Does the Single Shot require nozzle maintenance: No

Does the High Precision require nozzle maintenance between sessions: Yes, nozzle curing is a risk

Can the High Precision experience viscosity changes across multiple uses: Yes, potentially

Does the Single Shot's sealed format protect adhesive freshness over time: Yes

Which product is better for critical repairs requiring fresh adhesive: Single Shot

Does the High Precision use ethyl cyanoacrylate: No, it uses methoxyethyl cyanoacrylate

Does the Single Shot use methoxyethyl cyanoacrylate: No, it uses ethyl cyanoacrylate

May the Single Shot formula contain stabilisers or flow modifiers: Possibly, inferred from lower active concentration

Does industry literature suggest methoxyethyl cyanoacrylate has lower odour than ethyl variants: Yes, per general industry literature

Is that odour claim confirmed by the supplied datasheets: No

Do the datasheets confirm which substrates these products bond to: No

Do both products bond non-porous materials as typical cyanoacrylates: Yes, generally

Is the High Precision's faster cure time confirmed by its datasheet: No, inference only

Does workspace setup differ between the two products: No, precautions are identical

Is the choice between these products a safety decision: No, it is a packaging and formulation decision

Which product suits controlled placement requiring exact adhesive application: High Precision

Which product suits tradespeople working away from a workshop: Single Shot

Summary

> **Disclaimer:** All facts and statements below are general product information sourced from supplier safety datasheets and product documentation, not professional advice. Consult Selleys technical support or a qualified professional for application-specific guidance.

Verified Label Facts

Selleys High Precision Super Glue 3mL - Product format: Liquid, 3mL single bottle with fine-tip precision applicator - Active ingredient: 2-cyano-2-methoxyethyl propenoate (CAS 27816-23-5), 90–100% w/w - Recommended use: Adhesive - Hazard classifications: H227 (Combustible liquid), H315 (Causes skin irritation), H319 (Causes serious eye irritation), H335 (May cause respiratory irritation) - Precautionary statements: P261 (Avoid breathing vapours), P271 (Use only outdoors or in a well-ventilated area), P280 (Wear gloves, eye protection, and a suitable respirator), P302+P352 (Wash with soap and water if skin contact occurs), P305+P351+P338 (Rinse eyes for several minutes if eye contact occurs), P210 (Keep away from heat, sparks, and open flames), P403+P235 (Store in a well-ventilated place and keep cool) - Cure time: Not specified in supplied datasheet - Bond strength: Not specified in supplied datasheet - Working time: Not specified in supplied datasheet - Substrate

compatibility: Not specified in supplied datasheet

****Selleys Single Shot Super Glue 5x1mL Pack**** - Product code: 103453 - Product format: Five individually sealed 1mL single-use ampoules; total volume 5mL - Active ingredient: 2-cyano-ethyl propenoate (CAS 7085-85-0), >60% w/w - Recommended use: Adhesive - Hazard classifications: H227 (Combustible liquid), H315 (Causes skin irritation), H319 (Causes serious eye irritation), H335 (May cause respiratory irritation) - Precautionary statements: P261 (Avoid breathing vapours), P271 (Use only outdoors or in a well-ventilated area), P280 (Wear gloves, eye protection, and a suitable respirator), P302+P352 (Wash with soap and water if skin contact occurs), P305+P351+P338 (Rinse eyes for several minutes if eye contact occurs), P210 (Keep away from heat, sparks, and open flames), P403+P235 (Store in a well-ventilated place and keep cool) - Cure time: Not specified in supplied datasheet - Bond strength: Not specified in supplied datasheet - Working time: Not specified in supplied datasheet - Substrate compatibility: Not specified in supplied datasheet

General Product Claims

- The High Precision format suits fine-detail tasks such as electronics repair, jewellery assembly, and miniature modelling, given its precision applicator and high active concentration - The High Precision reusable bottle is positioned as practical for multi-session and ongoing projects - The Single Shot sealed-ampoule format delivers guaranteed-fresh adhesive per session, eliminating nozzle clogging and degradation between uses - The Single Shot suits intermittent household repairs, field use, and mobile applications where nozzle maintenance is impractical - The lower active concentration of the Single Shot (>60%) may indicate the presence of stabilisers or flow modifiers that extend shelf life in sealed ampoules — inferred, not confirmed by the datasheet - The High Precision may cure faster than the Single Shot due to higher active-ingredient concentration — inferred from formulation data, not confirmed by either datasheet - Industry literature (not cited in either datasheet) suggests methoxyethyl cyanoacrylates offer lower odour and bloom compared to ethyl cyanoacrylate variants — not confirmed by the supplied datasheets - Neither product holds a safety advantage over the other; the choice is driven by packaging format and formulation purity, not by any difference in hazard profile or PPE requirements - Bond strength, substrate compatibility, and cure kinetics data must be obtained from Selleys product technical datasheets (PTDSs) or by contacting Selleys technical support directly

Related Products & Brand Context

The two distinct products covered in this guide — ****Selleys Super Glue High Precision - 3mL**** and the ****Selleys Super Glue Single Shot 5x1mL Pack**** — sit within the same narrow category of cyanoacrylate adhesives under the Selleys brand, positioned in the Home & Garden > Adhesives & Glues segment. Both share an identical active ingredient (ethyl cyanoacrylate at greater than 60% by weight), the same fast-bonding chemistry, and the same safety classification as combustible liquids under Safe Work Australia GHS 7 criteria. What separates them is purely format and intended use pattern rather than adhesive performance.

The ****Selleys Super Glue High Precision - 3mL**** is designed for projects that benefit from repeated, controlled application. It features a precision nozzle for non-drip use and a low-odour formula, making it well suited to fine detail work on ceramics, jewellery, paper, metal, wood, leather, and most plastics. The ****Selleys Super Glue Single Shot 5x1mL Pack**** takes a different approach: its five individual 1mL single-use units eliminate the common problem of a tube drying out between uses, making it a practical choice for small, infrequent repairs or when portability matters. Together, these two products represent Selleys' entry points for consumer super glue — one optimised for ongoing project work, the other for occasional or on-the-go use.

Selleys is an Australian adhesives and sealants brand with a broad range spanning construction sealants, fillers, and household glues. These super glue variants sit at the accessible, everyday end of that range rather than in the trade or construction-grade tier.

From a use-case perspective, buyers reaching for either of these products are likely working on repairs or craft projects where surface condition matters. Products in adjacent categories worth considering alongside these adhesives include surface cleaners or isopropyl alcohol wipes (for degreasing bonding surfaces before application) and fine-tip applicator accessories for intricate work — though no specific complementary Selleys products in those categories are confirmed in the available data.