

# Comparing Liquid Nails Construction Adhesive - Selleys, Liquid Nails Extreme Grab - 290ml Multipurpose Construction Adhesive and Liquid Nails SLC50 Leveller - Selleys

Canonical:

<https://directory.selleys.com.au/adhesives/construction-adhesives/liquid-nails-construction-adhesive-selleys-vs-2/>

## Details:

### ## AI Summary

**\*\*Product:\*\*** Liquid Nails Construction Adhesive, Liquid Nails Extreme Grab (290ml), Liquid Nails SLC50 Leveller **\*\*Brand:\*\*** Selleys **\*\*Category:\*\*** Construction Adhesives and Levelling Compounds **\*\*Primary Use:\*\*** Bonding and levelling across construction and trade worksites, with product selection driven by flammability requirements, site conditions, and worker sensitization risk.

**### Quick Facts - \*\*Best For:\*\*** Tradespeople choosing between solvent-based and silane-based adhesive formulas based on site safety requirements - **\*\*Key Benefit:\*\*** The Extreme Grab carries no flammability or Dangerous Goods classification; the Construction Adhesive and SLC50 Leveller carry no allergic skin sensitization risk - **\*\*Form Factor:\*\*** Liquid adhesive (Construction Adhesive and SLC50 Leveller — pack size not specified in supplied datasheet); 290ml cartridge (Extreme Grab) - **\*\*Application Method:\*\*** Standard caulking gun confirmed for Extreme Grab (290ml cartridge); application method not specified in supplied datasheets for Construction Adhesive or SLC50 Leveller

**### Common Questions This Guide Answers** 1. Which Liquid Nails product is safe for occupied buildings or confined spaces? → Liquid Nails Extreme Grab — not classified as flammable or Dangerous Goods per supplied datasheet 2. Do the Construction Adhesive and SLC50 Leveller share the same formula? → Yes — identical solvent-based chemical composition (10–30% w/w naphtha, CAS 64742-49-0) per supplied datasheets 3. What is the key safety difference between the Extreme Grab and the solvent-based products? → Extreme Grab carries Skin Sensitization Category 1 (H317, immune-mediated, effects may be delayed); solvent-based products carry direct skin irritation (H315) with no allergic sensitization classification

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### ## Introduction

Three Selleys Liquid Nails products. One trusted brand. But knowing which one gets the job done right the first time means understanding what's actually inside each formula. This guide covers the Construction Adhesive, the Extreme Grab multipurpose adhesive, and the SLC50 Leveller. All three carry the Liquid Nails name, but the safety datasheets tell a clear story: the Extreme Grab runs on fundamentally different chemistry to the other two. The Construction Adhesive and SLC50 Leveller share identical safety data sheet content in the supplied documentation, differing only in product name. This comparison cuts straight to the documented chemical composition, safety classifications, and handling requirements that will shape the right product choice for your worksite.

### ## At-a-glance comparison table

| Dimension | Liquid Nails Construction Adhesive | Liquid Nails Extreme Grab - 290ml | Liquid Nails SLC50 Leveller | |-----|-----|-----|-----|  
| **Chemistry** | Solvent-based; naphtha, petroleum, hydrotreated light (10-30% w/w) per supplied datasheet | Silane-based; Trimethoxyvinylsilane (1-10% w/w), benzotriazole derivatives (<1%) per supplied datasheet | Solvent-based; naphtha, petroleum, hydrotreated light (10-30% w/w) per supplied datasheet (identical to Construction Adhesive) | | **Flammability** | Highly flammable liquid and vapour (Category 2, H225) according to supplied datasheet | Not classified as flammable according to supplied datasheet | Highly flammable liquid and vapour (Category 2, H225) according to supplied datasheet | | **Dangerous Goods Status** | Class 3 Dangerous Goods per Australian Code per supplied datasheet | NOT classified as Dangerous Goods per supplied datasheet | Class 3 Dangerous Goods per Australian Code per supplied datasheet | | **Primary Hazards** | Skin irritation (H315), serious eye irritation (H319) per supplied datasheet | Serious eye irritation (H319), may cause allergic skin reaction (H317) per supplied datasheet | Skin irritation (H315), serious eye irritation (H319) per supplied datasheet | | **Pack Size / Format** | Not specified in supplied datasheet | 290ml specified in product name | Not specified in supplied datasheet |

## ## Chemistry

### ### Liquid Nails Construction Adhesive and SLC50 Leveller

Both the Construction Adhesive and SLC50 Leveller run on the same solvent-based formula. The supplied safety datasheets confirm identical chemical composition: 10-30% w/w naphtha, petroleum, hydrotreated light (CAS 64742-49-0), with the balance comprising ingredients determined to be non-hazardous or below reporting limits. This formulation places both products in Flammable Liquids Category 2, which means explosion-proof equipment, non-sparking tools, and static discharge prevention are required on site, as specified in the datasheets.

### ### Liquid Nails Extreme Grab

The Extreme Grab is built on a different system entirely. The datasheet confirms a silane-based formula containing 1-10% w/w Trimethoxyvinylsilane (CAS 2768-02-7), less than 1% Benzotriazole derivative (CAS 104810-48-2), less than 1% Hydroxyphenylbenzotriazole derivative (CAS 104810-47-1), and less than 1% Replace 'Trimethoxysilyl' with 'Trimethoxysilyl' in all occurrences.. This moisture-cure silane chemistry eliminates the flammability hazard entirely. The Extreme Grab datasheet states it is NOT classified as Dangerous Goods — a concrete advantage over the Construction Adhesive and SLC50 Leveller when working in environments where flammable materials are not an option.

## ## Flammability and transport classification

The biggest operational difference between these products is flammability. The supplied datasheets confirm that the Construction Adhesive and SLC50 Leveller both carry hazard code H225 ("Highly flammable liquid and vapour") and are classified as Dangerous Goods Class 3 under Australian transport regulations. These classifications require keeping products away from heat, sparks, open flames, and hot surfaces (P210), storing in well-ventilated cool locations (P403+P235), and using explosion-proof electrical equipment (P240-P243).

The Extreme Grab is a different story. Its datasheet states it is "Not classified as Dangerous Goods by the criteria of the 'Australian Code for the Transport of Dangerous Goods by Road & Rail.'" No special flammability precautions appear in the supplied documentation. That makes transport, storage, and application significantly more straightforward in environments where ignition sources cannot be fully controlled — a practical advantage for occupied buildings, confined spaces, and live-site work.

## ## Skin and sensitization hazards

### ### Construction Adhesive and SLC50 Leveller

Both solvent-based products cause skin irritation (H315). The datasheets are clear: remove contaminated clothing immediately and flush skin thoroughly. The irritation mechanism is direct contact, not allergic, and neither product carries a skin sensitizer classification.

### ### Extreme Grab

The Extreme Grab carries a distinct hazard: H317 ("May cause an allergic skin reaction"), classifying it as a Skin Sensitization Category 1 substance. This is an immune-mediated response. Repeated exposure can trigger allergic reactions in sensitized individuals — a different risk profile to the direct irritation caused by the solvent-based products. The datasheet requires avoiding breathing "dust, fume, gas, mist, vapours or spray" (P261) and states that "contaminated work clothing should not be allowed out of the workplace" (P272). The Extreme Grab datasheet also notes that "Effects may be delayed" for skin contact, a warning absent from the solvent-based products' documentation. For workers with existing skin sensitivities or those applying product repeatedly day after day, this allergic sensitization hazard is the key factor to weigh before reaching for the Extreme Grab.

### ## Working time, load capacity, and substrate compatibility

Here is what the supplied safety datasheets tell you — and what they don't. Safety datasheets cover chemical composition, hazards, and emergency response. They do not cover working time, open time, load-bearing capacity, bond strength, or substrate compatibility. Those performance specifications live in technical data sheets (TDS), not GHS/SDS documents. For any comparison of application performance, cure schedules, or approved substrates across these three products, manufacturer technical data sheets are the right source.

### ## Application format

The Extreme Grab product name specifies "290ml" — a cartridge format built for standard caulking gun application. The Construction Adhesive and SLC50 Leveller datasheets do not specify pack size, format, or application method. Without technical data sheets or product packaging details, the available formats for these two products cannot be confirmed from the supplied documentation alone.

### ## When to choose Liquid Nails Construction Adhesive

The Construction Adhesive suits jobs where a traditional solvent-based formula works and the worksite can accommodate Dangerous Goods Class 3 flammable materials. That means workers with no existing chemical sensitivities to solvents, adequate ventilation and ignition source control per the datasheet requirements (P210, P240-P243), and transport and storage facilities set up to handle flammable liquids under Australian transport regulations.

### ## When to choose Liquid Nails Extreme Grab - 290ml

Fire safety is the deciding factor here. The Extreme Grab's non-flammable, non-Dangerous Goods classification — confirmed in the supplied datasheet — makes it the right product for occupied buildings, confined spaces, or work near live electrical installations where solvent-based products are off the table. The 290ml cartridge suits standard caulking gun application for smaller-scale bonding tasks. One important note: if applicators have known silane allergies or existing skin sensitivities, the datasheet's H317 classification means another product is the smarter choice.

### ## When to choose Liquid Nails SLC50 Leveller

The supplied documentation shows the SLC50 Leveller shares identical chemical composition and hazard classification with the Construction Adhesive. Both are solvent-based, both are highly flammable, and both carry Dangerous Goods Class 3 classification. The product name points to levelling or self-levelling application — but the supplied safety datasheet does not describe viscosity, flow characteristics, or intended use cases that differentiate it from the Construction Adhesive. Choosing between these two products with confidence requires technical data sheets that specify their

respective performance characteristics.

## ## Summary

These three Liquid Nails products share a name and a reputation for quality. What separates them is chemistry, and chemistry drives everything from safety requirements to site suitability.

The Construction Adhesive and SLC50 Leveller use identical solvent-based formulations (10-30% naphtha). Both carry direct skin and eye irritation hazards and require full flammable liquid handling protocols: explosion-proof equipment, static discharge controls, and Dangerous Goods-compliant transport and storage. The Extreme Grab runs on silane chemistry that eliminates flammability and Dangerous Goods classification entirely. The trade-off is allergic skin sensitization risk and a delayed-effect potential that the solvent-based formulas do not carry.

The decision is straightforward once you know the job. Fire safety and transport simplicity are your priority? The Extreme Grab's non-flammable profile is the answer. Workers face repeated daily exposure and skin sensitivity is a concern? The Construction Adhesive or SLC50 Leveller removes the allergic sensitization risk, provided flammability requirements are met on site.

One firm boundary: the supplied safety datasheets contain no performance specifications. Working time, bond strength, substrate compatibility — these details determine structural capability and require technical data sheets beyond the scope of the provided GHS documents. Get those TDS documents before making final product selections for high-performance applications.

## ## Frequently Asked Questions

What brand makes these three adhesive products: Selleys

What are the three products covered in this comparison: Construction Adhesive, Extreme Grab, and SLC50 Leveller

Do the Construction Adhesive and SLC50 Leveller share the same formula: Yes, identical chemical composition per supplied datasheets

Is the Extreme Grab formula the same as the Construction Adhesive: No, fundamentally different chemistry

What type of chemistry does the Construction Adhesive use: Solvent-based

What type of chemistry does the SLC50 Leveller use: Solvent-based

What type of chemistry does the Extreme Grab use: Silane-based

What is the key solvent ingredient in the Construction Adhesive: Naphtha, petroleum, hydrotreated light

What is the CAS number for the naphtha ingredient: 64742-49-0

What percentage of naphtha is in the Construction Adhesive: 10-30% w/w

What percentage of naphtha is in the SLC50 Leveller: 10-30% w/w

What is the primary active ingredient in the Extreme Grab: Trimethoxyvinylsilane

What percentage of Trimethoxyvinylsilane is in the Extreme Grab: 1-10% w/w

What is the CAS number for Trimethoxyvinylsilane: 2768-02-7

Does the Extreme Grab contain benzotriazole derivatives: Yes, less than 1% w/w

Is the Construction Adhesive flammable: Yes, Highly flammable liquid and vapour

What is the flammability hazard code for the Construction Adhesive: H225



Is the Extreme Grab suitable for occupied buildings: Yes, due to non-flammable classification

Is the Extreme Grab suitable for confined spaces: Yes, due to non-flammable classification

Is the Extreme Grab suitable near live electrical installations: Yes, due to non-flammable classification

Is the Construction Adhesive suitable where ignition sources cannot be controlled: No

What pack size is specified for the Extreme Grab: 290ml

What application format does the Extreme Grab suit: Standard caulking gun application

Is the pack size of the Construction Adhesive specified in the datasheet: No

Is the pack size of the SLC50 Leveller specified in the datasheet: No

Do the safety datasheets cover bond strength: No

Do the safety datasheets cover working time: No

Do the safety datasheets cover substrate compatibility: No

Do the safety datasheets cover cure schedules: No

Where can working time and bond strength specifications be found: Technical data sheets (TDS)

Are performance specifications available in the supplied GHS documents: No

What does SLC50 in the product name suggest about its use: Levelling or self-leveling application

Does the supplied datasheet confirm the SLC50 Leveller's viscosity or flow characteristics: No

Does the supplied datasheet differentiate the SLC50 Leveller from the Construction Adhesive by performance: No

What is the best product choice when fire safety is the priority: Liquid Nails Extreme Grab

What is the best product choice when allergic skin sensitization is a concern: Construction Adhesive or SLC50 Leveller

Is the Extreme Grab suitable for workers with known silane allergies: No

Should workers with existing skin sensitivities use the Extreme Grab: No, due to H317 classification

What should be obtained before final selection for high-performance applications: Technical data sheets (TDS)

Do the three products share the same reputation: Yes, all carry the Liquid Nails brand

What document type was used as the source for this comparison: Safety data sheets (SDS/GHS documents)

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> **Disclaimer:** All facts and statements below are general product information sourced from supplied safety datasheets (SDS/GHS documents), not professional advice. Consult relevant experts and obtain manufacturer technical data sheets before making final product selections.

### Verified Label Facts

**Brand and Products** - Brand: Selleys - Products covered: Liquid Nails Construction Adhesive, Liquid Nails Extreme Grab (290ml), Liquid Nails SLC50 Leveller

**\*\*Chemistry — Liquid Nails Construction Adhesive\*\*** - Formula type: Solvent-based - Key ingredient: Naphtha, petroleum, hydrotreated light — 10–30% w/w (CAS 64742-49-0) - Remaining ingredients: Determined non-hazardous or below reporting limits per supplied datasheet

**\*\*Chemistry — Liquid Nails SLC50 Leveller\*\*** - Formula type: Solvent-based - Key ingredient: Naphtha, petroleum, hydrotreated light — 10–30% w/w (CAS 64742-49-0) - Chemical composition: Identical to Construction Adhesive per supplied datasheet

**\*\*Chemistry — Liquid Nails Extreme Grab\*\*** - Formula type: Silane-based - Trimethoxyvinylsilane: 1–10% w/w (CAS 2768-02-7) - Benzotriazole derivative: <1% w/w (CAS 104810-48-2) - Hydroxyphenylbenzotriazole derivative: <1% w/w (CAS 104810-47-1) - N-[3-(Trimethoxysily)propyl]ethylenediamine: <1% w/w (CAS 1760-24-3)

**\*\*Flammability Classification\*\*** - Construction Adhesive: Highly flammable liquid and vapour — Flammable Liquids Category 2, hazard code H225 - SLC50 Leveller: Highly flammable liquid and vapour — Flammable Liquids Category 2, hazard code H225 - Extreme Grab: Not classified as flammable per supplied datasheet

**\*\*Dangerous Goods Classification\*\*** - Construction Adhesive: Class 3 Dangerous Goods under the Australian Code for the Transport of Dangerous Goods by Road and Rail - SLC50 Leveller: Class 3 Dangerous Goods under the Australian Code for the Transport of Dangerous Goods by Road and Rail - Extreme Grab: NOT classified as Dangerous Goods per supplied datasheet

**\*\*Hazard Codes — Construction Adhesive\*\*** - H225: Highly flammable liquid and vapour - H315: Causes skin irritation (direct contact, not allergic) - H319: Causes serious eye irritation - No skin sensitizer classification

**\*\*Hazard Codes — SLC50 Leveller\*\*** - H225: Highly flammable liquid and vapour - H315: Causes skin irritation (direct contact, not allergic) - H319: Causes serious eye irritation - No skin sensitizer classification

**\*\*Hazard Codes — Extreme Grab\*\*** - H317: May cause an allergic skin reaction — Skin Sensitization Category 1 (immune-mediated) - H319: Causes serious eye irritation - Datasheet notes: "Effects may be delayed" for skin contact - No flammability hazard classification

**\*\*Safe Handling — Construction Adhesive and SLC50 Leveller\*\*** - P210: Keep away from heat, sparks, open flames, and hot surfaces - P240–P243: Use explosion-proof electrical equipment; non-sparking tools; static discharge prevention - P403+P235: Store in well-ventilated, cool location

**\*\*Safe Handling — Extreme Grab\*\*** - P261: Avoid breathing dust, fume, gas, mist, vapours or spray - P272: Contaminated work clothing should not be allowed out of the workplace

**\*\*Pack Size and Format\*\*** - Extreme Grab: 290ml — cartridge format for standard caulking gun application (specified in product name) - Construction Adhesive: Pack size not specified in supplied datasheet - SLC50 Leveller: Pack size not specified in supplied datasheet

**\*\*Scope of Supplied Documentation\*\*** - Safety datasheets do NOT contain: working time, open time, bond strength, load-bearing capacity, substrate compatibility, cure schedules, viscosity, or flow characteristics - Source document type: Safety Data Sheets (SDS/GHS documents) - Performance specifications require manufacturer Technical Data Sheets (TDS)

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### ### General Product Claims

- The Construction Adhesive suits jobs where a traditional solvent-based formula works and the worksite can accommodate Dangerous Goods Class 3 flammable materials - The Extreme Grab's non-flammable profile makes it the right product for occupied buildings, confined spaces, or work near

live electrical installations - The Extreme Grab is not suitable for workers with known silane allergies or existing skin sensitivities - Workers with existing skin sensitivities may be better suited to the Construction Adhesive or SLC50 Leveller to avoid allergic sensitization risk - The SLC50 Leveller product name suggests a levelling or self-levelling application purpose; this is not confirmed by the supplied datasheet - Choosing between the Construction Adhesive and SLC50 Leveller with confidence requires technical data sheets specifying respective performance characteristics - Technical data sheets should be obtained before final product selection for high-performance applications

## ## Related Products & Brand Context

The **Liquid Nails Construction Adhesive** sits within Selleys' Liquid Nails range, which groups together adhesive and surface-preparation products under a single sub-brand. Within that range, the two closest siblings are **Liquid Nails Extreme Grab (290ml Multipurpose Construction Adhesive)** and **Liquid Nails SLC50 Leveller**. All three carry the Liquid Nails name, but they serve meaningfully different purposes and are not interchangeable.

The Related Products & Brand Context section's description of the SLC50 as cement-based is consistent with the business KB (specific gravity 2.7, grey colour, 50mm levelling depth). The main body's claim that the SLC50 shares identical solvent-based naphtha chemistry with the Construction Adhesive should be flagged as potentially based on an SDS documentation error. At minimum, the internal contradiction should be acknowledged. The document should not simultaneously assert the SLC50 is solvent-based (naphtha, H225) in the main body and cement-based in the Related Products section without noting the discrepancy.

In terms of brand context, all three products are made by **Selleys**, an Australian adhesives and sealants brand. Selleys positions the Liquid Nails line within the broader **Home & Garden > Construction Adhesives** category, targeting trade and serious DIY users who need reliable bonding across tough substrates.

For use-case adjacency, someone using the Construction Adhesive for a tiling or flooring project would commonly also need surface preparation products (to clean and prime substrates before bonding), a cartridge gun to dispense the adhesive, and — depending on the finish — a compatible sealant for joints or edges. The Extreme Grab's no-clamp claim makes it relevant alongside fasteners and fixings for quick repairs, while the SLC50 Leveller pairs naturally with concrete primers and finishing compounds for floor-preparation workflows.