

SAFETY DATA SHEET

Item Code: N0191

Section 1.	Identification of the material and the supplier
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Item Code:	N0191
Product:	Holdfast Gorilla Nail Power Click N Fix
Product Use:	Cleaner for Gorilla Nail power applicator Gun
New Zealand Supplier:	Realcold Ltd
Address:	9 Prescott Street Penrose, Auckland
Telephone:	09 526 5700
Fax Number:	09 526 5721
Emergency Telephone:	09 526 5700 0800 766 764 (National Poison Centre)
Manufacturer:	Holdfast, 14 Avalon Drive, Hamilton
Date of MSDS Preparation:	14 March 2017 – ver 2

Section 2.	Hazards Identification
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This substance is hazardous according to the *HSNO (Minimum Degrees of Hazard) Regulations 2001*

Group Standard & ERMA Approval Code: Aerosols (Flammable) – HSR002515

Pictograms



Flammable Toxic

HSNO Class.	Hazard Code	Hazard Statement	EU Risk Phrases
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2.1.2A	H223	Flammable aerosol.	R5
3.1B	H225	Highly flammable liquid and vapour.	R11
6.1E (oral)	H303	May be harmful if swallowed.	R22
6.3A	H315	Causes skin irritation.	R38
6.4A	H320	Causes eye irritation.	R36

Prevention Code	Prevention Statement
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P102	Keep out of reach of children.
P103	Read label before use.
P104	Read safety data sheet before use
P210	Keep away from heat, open flames& hot surfaces. No smoking.

P211	Do not spray on an open flame or other ignition source.
P233	Keep container tightly closed.
P240	Ground/bond container and receiving equipment.
P241	Use explosion-proof electrical & Ventilation
P242	Use only non-sparking tools.
P243	Take precautionary measures against static discharge.
P251	Pressurized container: Do not pierce or burn, even after use.
P264	Wash hands thoroughly after handling.
P280	Wear protective gloves and eye protection

Response Code Response Statement

P101	If medical advice is needed, have product container or label at hand.
P312	Call a POISON CENTER or doctor/physician if you feel unwell.
P331	Do NOT induce vomiting.
P362	Take off contaminated clothing and wash before re-use.
P303 + P361+P353	IF ON SKIN (or hair): Remove/Take off immediately all contaminated clothing. Rinse skin with water/shower.
P305 + P351+P338	IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.
P332 + P313	If skin irritation occurs: Get medical advice/ attention.
P337 + P313	If eye irritation persists: Get medical advice/attention.
P370 + P378	In case of fire: Use water fog or foam for extinction.

Storage Code Storage Statement

P403 + P235	Store in a well-ventilated place. Keep cool.
P410 + P412	Protect from sunlight. Do not expose to temperatures exceeding 50 °C.

Disposal Code Disposal Statement

P501	Dispose waste as per local regulations
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Section 3. Composition / Information on Ingredients

Ingredients	Wt%	CAS NUMBER.
Acetone	>25	67-64-1
Butane	10-20	106-97-8
Isobutane	10-20	75-28-5

Section 4. First Aid Measures

Routes of Exposure:

If in Eyes	Immediately flush eyes with gentle but large stream of water for at least 15 minutes, lifting lower and upper eyelids occasionally. Call a physician immediately.
If on Skin	Remove contaminated clothing and wash skin with warm soapy water. Do not scrub. If swelling, redness, blistering or irritation occurs, get medical assistance
If Swallowed	If swallowed, call a physician immediately. Only induce vomiting at the instruction of a physician. Never give anything by mouth to an unconscious person.

If Inhaled Remove person to fresh air. Remove contaminated clothing and loosen remaining clothing. Allow person to assume most comfortable position and keep warm. Keep at rest until fully recovered. Get medical advice if breathing becomes difficult.

Section 5. Fire Fighting Measures

Hazard Type	Flammable Aerosol
Hazards from decomposition products	Carbon monoxide and dioxide products of combustion
Suitable Extinguishing media	Water fog or foam
Precautions for firefighters and special protective clothing	Canisters will explode in fire conditions. Evacuate all unprotected personnel and attempt to keep canisters cool with water if safe to do
HAZCHEM CODE	2YE

Section 6. Accidental Release Measures

Leaking or punctures canisters must be handled with chemical protective gloves (eg nitrile) and eye protection.

Remove all sources of ignition within a radius of at least 5 metres before transferring the canister or canisters to an open containment drum to fully vent off.

If multiple numbers of canisters are involved call the Fire Service and in the meantime standby with a foam fire extinguisher.

Evacuate all unnecessary personnel from the area.

Section 7. Handling and Storage

Handling & Storage:

Bulk loose canisters should be stored in a mesh cage in order to contain them if one should burst or leak.

Keep containers dry and cool.

Keep away from Foodstuffs.

Wash hands thoroughly before breaks and at the end of the working day.

Observe the usual protective measures for manipulation of chemical substances.

Section 8 Exposure Controls / Personal Protection

WORKPLACE EXPOSURE STANDARDS (provided for guidance only)

Substance	CAS #	TWA		STEL	
		ppm	mg/m3	ppm	mg/m3
Acetone	67-64-1	500	1,185	1,000	2,375

Butane 106-97-8 800 1,900 - -

Workplace Exposure Standard – Time Weighted Average (WES-TWA). *The time-weighted average exposure standard designed to protect the worker from the effects of long-term exposure.* Workplace Exposure Standard – Short-Term Exposure Limit (WESSTEL). *The 15-minute average exposure standard.* Applies to any 15- Minute period in the working day and is designed to protect the worker against adverse effects of irritation, chronic or irreversible tissue change, or narcosis that may increase the likelihood of accidents. The WES-STEL is not an alternative to the WES-TWA; both the short-term and time-weighted average exposures apply.

Personal Protection Wear solvent resistant gloves and eye protection

Section 9 Physical and Chemical Properties

Appearance Liquid spray
Colour Colourless
Odour Acetone
Flash Point -20°C
Explosive Limits LEL 1.5% UEL 12.8%
Solubility Ethanol, ether

Section 10. Stability and Reactivity

Stability of Substance Stable
Conditions to Avoid heat, sparks, static, sources of ignition
Incompatible Materials oxidising substances,
Hazardous Decomposition Products oxides of carbon

Section 11 Toxicological Information

Acetone

LD50 oral (rat) 3000 mg / kg

Personal Exposure Limit (NZ Dept of Labour)

	TWA		STEL	
Acetone	500 ppm	1.2 mg/m ³	1000 ppm	2.4 mg /m ³

Section 12. Ecotoxicological Information

Not considered to be an ecological hazard.
Water soluble and volatile.
Not persistent and biodegradable

Section 13. Disposal Considerations

Do NOT puncture or incinerate used cans. Place in commercial rubbish skip for disposal to an authorized landfill.

Section 14 Transport Information

Classified as a Dangerous Good for transport

Road and Rail Transport (in NZ ; NZS 5433:2007)

UN No: 1950
Class-primary 2
Subsidiary class 3

Product Name: Gorilla Nail Power Click N Fix Item No: N0191
Date of MSDS: 14 December 2011

Issued by: Realcold Ltd
Tel: 64 9 526 5700

Packing Group Not allocated
Proper Shipping Name: Aerosol (acetone)

Air Transport

UN No: 1950
Class-primary 2
Subsidiary Class 3
Packing Group Not allocated
Proper Shipping Name: Aerosol (acetone)

Marine Transport

UN No: 1950
Class-primary 2
Subsidiary Class 3
Packing Group Not allocated
Proper Shipping Name: Aerosol (acetone)
Marine Pollutant NO

Section 15 Regulatory Information

ERMA Approval Code & Group Standard: Aerosols (Flammable) – HSR 002515

HSNO Classification: 2.1.2A, 3.1B, 6.1E, 6.3A, 6.4A

HSNO Controls:

Trigger quantities for this substance:

	Trigger Quantity
Approved Handler	3000 L awc (2.1.2A)
Location Certificate	3000 L awc (2.1.2A)
Tracking Trigger Quantities	Not applicable
Signage Trigger Quantities	3000 L awc (2.1.2A)
Emergency Response Plan trigger Quantities	300 L awc (2.1.2A)

Section 16 Other Information

1. HSNO Approved Code of Practice: Preparation of Safety Data Sheets, September 2006.

Disclaimer

This document has been issued by Realcold Limited and serves as their Safety Data Sheet ('SDS'). It is based on information concerning the product which has been provided to Realcold Limited or obtained from third party sources and is believed to represent the current state of knowledge as to the appropriate safety and handling precautions for the product at the time of issue. Further clarification regarding any aspect of the product should be obtained directly from the manufacturer. While Realcold Limited have taken all due care to include accurate and up-to-date information in this SDS, it does not provide any warranty as to accuracy or completeness. As far as lawfully possible, Realcold Limited accept no liability for any loss, injury or damage (including consequential loss) which may be suffered or incurred by any person as a consequence of their reliance on the information contained in this SDS

The information herein is given in good faith, but no warranty, express or implied is made.

Please contact the New Zealand distributor, Realcold Ltd, if further information is required.

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Review Date: 14 December 2016

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