

## SAFETY DATA SHEET

**Item Code: N0170/72**

Section 1.	Identification of the material and the supplier
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Item Code:	N0170/72
Product:	Holdfast H2 Stick It Adhesive
Product Use:	Adhesive
New Zealand Supplier:	Realcold Ltd
Address:	9 Prescott Street Penrose, Auckland
Telephone:	09 526 5700
Fax Number:	09 526 5721
<b>Emergency Telephone:</b>	<b>09 526 5700</b> <b>0800 766 764 (National Poison Centre)</b>
Manufacturer:	Holdfast NZ Ltd, 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 & EPA Approval Code:  
Surface Coatings and Colourants (Flammable) – HSR002662**

**Pictograms**



Flammable



Acutely Toxic



Chronic

HSNO Class.	Hazard Code	Hazard Statement	EU Risk Phrases
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3.1B	H225	Highly flammable liquid and vapour.	R11
6.1D (dermal)	H312	Harmful in contact with skin.	R21
6.3A	H315	Causes skin irritation.	R38
6.4A	H319	Causes serious eye irritation.	R36
6.8A	H360	May damage fertility or the unborn child	R60/R61
6.9B	H373	May cause damage to organs through prolonged or repeated exposure	R48
9.1D	H402	Harmful to aquatic life.	R53
9.2C	H423	Harmful to the soil environment.	

Product Name: Holdfast H2 Stick-It Contact Adhesive	Item No: N0170/72	Issued by: Realcold Ltd
Date of MSDS: 24 July 2012		Tel: 64 9 526 5700

**Prevention Code      Prevention Statement**

P102	Keep out of reach of children.
P103	Read label before use.
P104	Read safety data sheet before use
P201	Obtain special instructions before use.
P202	Do not handle until all safety precautions have been read and understood.
P210	Keep away from heat, sparks, open flames and hot surfaces. No smoking.
P233	Keep container tightly closed.
P240	Ground/bond container and receiving equipment.
P241	Use explosion-proof electrical/ventilating/lighting/.
P242	Use only non-sparking tools.
P243	Take precautionary measures against static discharge.
P260	Do not breathe fumes, gas or vapours.
P264	Wash hands thoroughly after handling.
P273	Avoid release to the environment.
P280	Wear protective clothing.
P281	Use personal protective equipment as required.

**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.
P314	Get medical advice/attention if you feel unwell.
P338	Remove contact lenses, if present and easy to do. Continue rinsing.
P362	Take off contaminated clothing and wash before re-use.
P363	Wash contaminated clothing before reuse.
P302 + P352	IF ON SKIN: Wash with plenty of soap and water.
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.
P308 + P313	IF exposed or concerned: Get medical advice/ attention.
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, foam, dry chemical, carbon dioxide

**Storage Code      Storage Statement**

P405	Store locked up.
P403 + P235	Store in a well-ventilated place. Keep cool.

**Disposal Code      Disposal Statement**

P501	Triple rinse and dispose of according to local Regulations.
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**Section 3.      Composition / Information on Ingredients**

<b>Ingredients</b>	<b>Wt%</b>	<b>CAS NUMBER.</b>
toluene (benzene, methyl)	10-60%	108-88-3
n -hexane	1-10%	110-54-3
ethyl benzene	1-10%	100-41-4
Non-hazardous materials	To balance	

**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. DO NOT induce vomiting because of risk of aspiration. 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**

<b>Hazard Type</b>	Flammable Liquid
<b>Fire Hazards from decomposition products</b>	Unknown due to the complex nature of this material. Fumes from complete or incomplete combustion of this material may include carbon dioxide, carbon monoxide, water vapour, oxides of nitrogen, hydrogen chloride or a wide variety of innocuous or toxic fumes. Solvent vapours may form explosive mixtures with air. Vapours are heavier than air and may spread along ground to sources of ignition.
<b>Suitable Extinguishing media</b>	Water fog, foam, dry chemical, carbon dioxide. Do not use a water jet.
<b>Precautions for firefighters and special protective clothing</b>	Wear full protective equipment, including self contained breathing apparatus. Keep adjacent containers cool by spraying with water.
<b>HAZCHEM CODE</b>	<b>3YE</b>

**Section 6. Accidental Release Measures****Small Spills:**

Extinguish all ignition sources. Avoid sparks, flames and heat. Avoid accidents and clean up immediately. Wear protective equipment to prevent skin and eye contamination. Avoid inhalation of vapours. Wipe up with absorbent (rag or paper towels). Collect and seal in properly labelled containers or drums for disposal or recycling.

**Large Spills:**

Extinguish all ignition sources. Avoid sparks, flames, heat and the build up of static electricity. Consider evacuation of area and/or site. Alert Emergency Services if required. Slippery when spilt. Avoid accidents and clean up immediately. Wear protective equipment to prevent skin and eye contamination. Avoid inhalation of vapours by wearing appropriate respirator. Contain spill to prevent run off into drains and waterways. Use absorbent (rags, soil sand, or other inert material). Collect using spark-free shovels (i.e. Plastic) and seal in properly labelled containers or drums for disposal or recycling. See Disposal section of this MSDS for further details.

## Section 7. Handling and Storage

### Handling

- Avoid breathing or contact with material
- Use only in well ventilated areas
- Keep away from heat, sparks, open flames and any other sources of ignition
- Static electricity must be avoided
- Wear the appropriate personal protection equipment as specified in this MSDS to prevent eye and skin contact
- Wash thoroughly after handling

### Storage

- Store in a cool, dry, well ventilated place and out of direct sunlight
- Keep away from heat, sparks, open flames and any other sources of ignition – Static electricity must be avoided
- Store away from any incompatible materials defined in Section 10 of this MSDS.
- Keep containers closed when not in use
- Check regularly for leaks
- For units of 20 litres or more, store according to HSNO

## Section 8 Exposure Controls / Personal Protection

### WORKPLACE EXPOSURE STANDARDS (provided for guidance only)

Substance	CAS #	TWA		STEL	
		ppm	mg/m3	ppm	mg/m3
toluene (benzene, methyl)	108-88-3	50			
n-hexane	110-54-3	20			
ethyl benzene	100-41-4	100		125	

#### Workplace Expo

sure 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.*

### Engineering Controls

- Use in a well ventilated area only
- Vapour is heavier than air
- Prevent concentration in hollows or sumps
- Do NOT enter confined spaces where vapour may have collected
- Keep containers in a well ventilated area
- Explosion proof general and local exhaust ventilation system is required

### Personal Protection

- Avoid fume inhalation
- Wear organic vapour respirator, especially if working in a poorly ventilated area - Selection of the correct cartridge is essential
- Avoid skin contact
- Avoid repeated and prolonged skin contact
- Wear overalls or similar protective clothing
- Wear solvent resistant gloves and enclosed footwear
- Avoid eye contact
- Wear safety glasses, goggles or appropriate face shield

## Section 9 Physical and Chemical Properties

<b>Appearance</b>	Pale Yellow - Thick Liquid
<b>Odour</b>	Solvent
<b>Flash Point</b>	-22°C
<b>Boiling Point</b>	50-114°C
<b>Lower &amp; Upper Flammability Limits</b>	1.1 – 7.5%
<b>Auto-ignition Temperature</b>	None Determined
<b>Specific Gravity</b>	0.9
<b>Solubility in Water</b>	very low

## Section 10. Stability and Reactivity

<b>Stability of Substance</b>	This material is stable when stored and used as directed
<b>Conditions to Avoid</b>	Avoid heat, sparks, flames and any other sources of ignition
<b>Incompatible Materials</b>	Strong oxidising agents
<b>Hazardous Decomposition Products</b>	Thermal decomposition is highly dependent on conditions. A complex mixture of airborne solids, liquids and gases, including carbon monoxide, carbon dioxide, hydrogen chloride and other organic compounds will be evolved when this material undergoes combustion or thermal or oxidative degradation

## Section 11 Toxicological Information

Information given in this Material safety data sheet is based on the data on the components and the toxicology of similar products.

No adverse health effects are expected if the product is handled in accordance with this MSDS and the product label. Symptoms or effects that may arise if the product is mishandled and overexposure occurs are:

### Acute toxicity:

Oral	: Harmful if swallowed.	LD50 >2000 mg/kg bw.
Dermal	: Harmful if contact with skin.	LD50 >2000 mg/kg bw.
Inhalation	: Harmful if inhaled.	LC50 >20 mg/L in air

Skin irritation	: Causes skin irritation
Eye irritation	: Causes eye irritation
Sensitisation (Respiratory & contact)	: Not expected to be a sensitizer
Carcinogenicity	: Not expected to be a carcinogenic
Reproductive/ Developmental:	Suspected of damaging fertility or the unborn child
Toxicity	
Mutagenicity	: Not expected to be a mutagenic
Target Organ Systemic	: May cause damage to organs through prolonged or repeated exposure

## Section 12. Ecotoxicological Information

### Ecotoxicity:

#### Acute Toxicity

Aquatic	: Slightly harmful to aquatic life
Soil	: Harmful in the soil environment
Terrestrial Vertebrate:	Not ecotoxic to terrestrial vertebrates
Terrestrial Invertebrate:	Not ecotoxic to terrestrial invertebrates

Mobility:  
Not miscible with water. Lighter than water.

**Volatile organic compounds (VOC):** 75 %

**Persistence and degradability:**

The solvent in this product is readily biodegradable. The remainder of the product is expected to biodegrade slowly.

**Bioaccumulation:**

No data available on the product itself, however based on the individual ingredients, there is a low potential to bioaccumulate.

**Other Information:**

Because of the high rate of solvent evaporation, this product is unlikely to pose any hazard to aquatic life.

**Section 13. Disposal Considerations**

**Substance Disposal:**

Do not let this product enter the environment. Do not dispose of down drains or into local waterways. Recycle or recover whenever possible. Dispose of substance to a hazardous or special waste collection point or through a licensed contractor. Normally suitable for incineration by an approved agent.

**Container Disposal:**

Recycle if possible, or dispose of to a hazardous or special waste collection point. Beware: empty flammable liquid drums present an explosion hazard if cut by flame or welding torch. Ensure drums are thoroughly cleaned and ventilated.

**Local Legislation:**

Disposal should be in accordance with Hazardous Substances (Disposal) Regulations 2001, and with any other applicable regional and national laws and regulations.

**Section 14 Transport Information**

This substance is Classified as a Dangerous Good for transport in NZ ; NZS 5433:2007

Road and Rail Transport

UN No 1133  
Class-primary 3  
Packing Group II  
Proper Shipping Name: ADHESIVES CONTAINING FLAMMABLE LIQUID

Air Transport

UN No 1133  
Class-primary 3  
Packing Group II  
Proper Shipping Name: ADHESIVES CONTAINING FLAMMABLE LIQUID

Marine Transport

UN No 1133  
Class-primary 3

Packing Group II  
Proper Shipping Name: ADHESIVES CONTAINING FLAMMABLE LIQUID  
Marine Pollutant Yes

### Section 15 Regulatory Information

ERMA Approval Code:

**Surface Coatings and Colourants (Flammable) – HSR002662**

HSNO Classification: 3.1B, 6.1D, 6.3A, 6.4A, 6.8A, 6.9B, 9.1D, 9.2C

HSNO Controls:

Trigger quantities for this substance:

	<b>Trigger Quantity</b>
Approved Handler	250L ≥ if container ≥ 5L 500L ≥ if container < 5L
Location Certificate	100L (>5L), 250L (<5L); 50L open.
Tracking Trigger Quantities	Not applicable
Signage Trigger Quantities	250L
Emergency Response Plan trigger Quantities	1000L

### 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

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

Issue Date: 24 July 2012

Review Date: 24 July 2017