

SAFETY DATA SHEET

Item Code: W99S97 & W99T30

Section 1.	Identification of the material and the supplier
------------	---

Item Code:	W99S97 & W99T30
Product:	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
Emergency Telephone:	09 526 5700 0800 766 764 (National Poison Centre)
Manufacturer:	Holdfast NZ Ltd, 14 Avalon Drive, Hamilton
Date of MSDS Preparation:	14 March 2017– ver 2

Section 2.	Hazards Identification
------------	------------------------

This substance is hazardous according to the *HSNO (Minimum Degrees of Hazard) Regulations 2001*

Group Standard & ERMA Approval Code: Surface Coatings and Colourants – (Flammable) HSR002662

Pictograms



Flammable



Toxic



Chronic

HSNO Class.	Hazard Code	Hazard Statement	EU Risk Phrases
-------------	-------------	------------------	-----------------

3.1B	H225	Highly flammable liquid and vapour.	R11
6.1D (oral)	H302	Harmful if swallowed.	R22
6.1D (inhalation)	H332	Harmful if inhaled.	R20
6.3A	H315	Causes skin irritation.	R38
6.4A	H319	Causes serious eye irritation.	R41
6.8A	H360	May damage fertility or the unborn child	R60/R61
6.9B (Repeated exposure)	H373	May cause damage to organs ... through prolonged or repeated exposure	R48

Product Name: H2 Stick it Adhesive	Item No: W99S97 & W99T30	Issued by: Realcold Ltd
Date of MSDS: 19 December 2011		Tel: 64 9 526 5700

9.1D	H402	Harmful to aquatic life	R53
9.2C	H423	Harmful to the soil environment.	N56

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, open flames/hot surfaces. No smoking.
P233	Keep container tightly closed.
P240	Ground/bond container and receiving equipment.
P241	Use explosion-proof electrical and ventilation
P242	Use only non-sparking tools.
P243	Take precautionary measures against static discharge.
P260	Do not breathe fumes
P264	Wash hands thoroughly after handling.
P270	Do not eat, drink or smoke when using this product.
P271	Use only outdoors or in a well-ventilated area.
P273	Avoid release to the environment.
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.
P330	Rinse mouth.
P331	Do NOT induce vomiting.
P338	Remove contact lenses, if present and easy to do. Continue rinsing.
P362	Take off contaminated clothing and wash before re-use.
P301 + P312	IF SWALLOWED: Call a POISON CENTER or doctor/physician if you feel unwell.
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.
P304 + P340	IF INHALED: Remove to fresh air and keep at rest in a position comfortable for breathing.
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 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	Dispose of as per local regulations
------	-------------------------------------

Section 3. Composition / Information on Ingredients

Ingredients	Wt%	CAS NUMBER.
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. 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 Liquid
Hazards from decomposition products	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.
Suitable Extinguishing media	Water fog, foam, dry chemical, carbon dioxide. Do not use a water jet
Precautions for firefighters and special protective clothing	Wear full protective equipment, including self contained breathing apparatus. Keep adjacent containers cool by spraying with water.
HAZCHEM CODE	3YE

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 MDS 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)	-	50			
n -Hexane		20			
Ethyl Benzene		100		125	

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.

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

Product Name: H2 Stick it Adhesive Item No: W99S97 & W99T30 Issued by: Realcold Ltd
Date of MSDS: 19 December 2011 Tel: 64 9 526 5700

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

Appearance	Pale Yellow Thick Liquid
Odour	Solvent
Flash Point	-22°C
Boiling Point	50-114 °C
Lower & Upper Flammability Limits	1.1 – 7.5%
Auto-ignition Temperature	N.D
Percent Volatile by weight	
Specific Gravity	0.9
Solubility in Water	Very Low

Section 10. Stability and Reactivity

Stability of Substance	This material is stable when stored and used as directed
Conditions to Avoid	Avoid heat, sparks, flames and any other sources of ignition
Incompatible Materials	Strong oxidising agents
Hazardous Decomposition Products	Thermal decomposition is highly dependant 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

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 :	Not expected to be a sensitizer (Respiratory & contact)
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.

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

Section 13. Disposal Considerations

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.

Beware:

Empty flammable liquid drums present an explosion hazard if cut by flame or welding torch. Ensure drums are thoroughly cleaned and ventilated.

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

Classified as a Dangerous Good for transport

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

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:

	Trigger Quantity
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

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.

Issue Date: 19 December 2011

Review Date: 19 December 2016