

SAFETY DATA SHEET

Item Code: N0063 & N0065

Section 1.	Identification of the material and the supplier
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Item Code:	N0063 & N0065
Product:	Leak Lock
Product Use:	Pipe/Joint Sealant
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:	Highside Chemicals, 11114 Reichhold Road, Gulfport, USA
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: Solvents (Flammable) – HSR002650

Pictograms



Flammable

HSNO Class.	Hazard Code	Hazard Statement	EU Risk Phrases
3.1B	H225	Highly flammable liquid and vapour.	R11
6.4A	H320	Causes eye irritation.	R36

Prevention Code	Prevention Statement
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P103	Read label before use.
P104	Read safety data sheet before use
P210	Keep away from heat open flames and hot surfaces No smoking.
P233	Keep container tightly closed.
P242	Use only non-sparking tools.
P243	Take precautionary measures against static discharge.
P264	Wash hands thoroughly after handling.
P280	Wear protective gloves , protective clothing and eye protection protection.

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Date of MSDS: 13 February 2012		Tel: 64 9 526 5700

Response Code Response Statement

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.
P337 + P313	If eye irritation persists: Get medical advice/attention.
P370 + P378	In case of fire: Use Carbon dioxide, water, water fog, dry chemical, chemical foam for extinction.

Storage Code Storage Statement

P403 + P235	Store in a well-ventilated place. Keep cool.
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Disposal Code Disposal Statement

P501	Flammable - Dispose off according to Local Regulations
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Section 3. Composition / Information on Ingredients

Ingredients	Wt%	CAS NUMBER.
Ethanol	15-40	64-17-5
Tetraethylene Glycol	1-5	112-60-7
Talc, Respirable Dust	15-40	14807-96-6
Isopropyl Alcohol	1-5	67-63-0

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. Remove contact lenses. Call a physician immediately.
If on Skin	Remove contaminated clothing and wash skin with warm soapy water. If irritation occurs, get medical assistance
If Swallowed	Give two glasses of water for dilution; Induce vomiting by sticking fingers down throat; never give anything by mouth to an unconscious person; seek medical attention.
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. Inhalation of vapors can cause anesthetic effect in poorly ventilated areas.

Section 5. Fire Fighting Measures

Hazard Type	Flammable
Hazards from combustible products	Smoke, fumes, oxides of carbon
Suitable	Carbon dioxide, water, water fog, dry chemical, chemical foam

Extinguishing media	
Precautions for firefighters and special protective clothing	Closed containers can explode due to buildup of pressure when exposed to extreme heat. Vapors may cause a flash fire or ignite explosively. Vapors may travel a considerable distance to a source of ignition and flash back. Wear protective clothing.
HAZCHEM CODE	3YE

Section 6. Accidental Release Measures

CAUTION - FLAMMABLE - Evacuate and ventilate area; remove all sources of sparks, ignition and open flames; confine and absorb into approved absorbent; place material into approved containers for disposal; do not wash to sewer or waterway.

Section 7. Handling and Storage

Handling CAUTION - FLAMMABLE - keep away from all sources of ignition. "Empty" containers may contain residue which may form explosive vapors. Do not weld or cut near empty container that has not been professionally reconditioned. Use non-sparking tools when opening and closing containers. Maintain well ventilated work areas to minimize exposure when handling this material.

Storage Keep container closed when not in use; protect containers from abuse; protect from extreme temperatures.

Section 8 Exposure Controls / Personal Protection

WORKPLACE EXPOSURE STANDARDS (provided for guidance only)

Substance	CAS #	TWA		STEL	
		ppm	mg/m3	ppm	mg/m3
Ethanol	64-17-5	1000	1880		
Isopropyl Alcohol	67-63-0	400	983	500	1,230

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 The use of local exhaust ventilation is recommended to control emissions near the source. Provide mechanical ventilation of confined spaces. Use explosion-proof ventilation equipment.

Personal Protection

Respiratory: Not ordinarily required, however, NIOSH approved respirator recommended to prevent overexposure.

Gloves: Recommended for general protection

Eyes: Glasses or chemical safety goggles. Safety eyebath nearby.

Section 9 Physical and Chemical Properties

Appearance Blue flowable paste

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Odour	Slight alcohol
Flash Point	15.6°C
Boiling Point	78 °C
Lower & Upper Flammability Limits	3.3% - 19%
Auto-ignition Temperature	Not determined
Percent Volatile by weight	Approximately 30%
Specific Gravity	1.300
Solubility in Water	miscible
Vapour Density (Air =1)	>1
Evaporation Rate (Water = 1)	<1
Vapour Pressure	44 mm Hg @ 20° C
Volatile organic compounds (voc's)	28%
Viscosity	Paste

Section 10. Stability and Reactivity

Stability of Substance	Stable
Conditions to Avoid	Extreme temperatures, open flames, sparks
Incompatible Materials	Strong oxidizers, strong acids
Hazardous Decomposition Products	Decomposition will not occur if handled and stored properly. In case of a fire, oxides of carbon, hydrocarbons, fumes, and smoke may be produced.

Section 11 Toxicological Information

Ethanol	[Cas No 64-17-5]	Oral (Rat)	1501mg/kg
Isopropyl alcohol	[Cas No 67-63-0]	Oral (Rat)	5840mg/kg
Tetraethylene glycol	[Cas No 112-60-7]	Oral (Rat)	28,900 ul / kg

Section 12. Ecotoxicological Information

No data are available on the adverse effects of this material on the environment. Neither COD nor BOD data are available. Based on the chemical composition of this product it is assumed that the mixture can be treated in an acclimatized biological waste treatment plant system in limited quantities. However, such treatment should be evaluated and approved for each specific biological system. None of the ingredients in this mixture are classified as a Marine Pollutant.

Section 13. Disposal Considerations

This product may produce hazardous vapors or fumes in a closed disposal container creating a dangerous environment. Consult your local authorities before disposing of any chemicals. Do not flush to sanitary sewer or waterway.

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 Liquids

Air Transport

UN No: 1133
 Class-primary 3
 Packing Group II
 Proper Shipping Name: Adhesives containing Flammable Liquids

Marine Transport

UN No: 1133
 Class-primary 3
 Packing Group II
 Proper Shipping Name: Adhesives containing Flammable Liquids
 Marine Pollutant No

Section 15 Regulatory Information

EPA Approval Code: Solvents (Flammable) – HSR 002650

HSNO Classification: 3.1B, 6.4A

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

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

Issue Date: 13 February 2012 Review Date: 13 February 2017