

SAFETY DATA SHEET

Item Code: N0180

Section 1.	Identification of the material and the supplier
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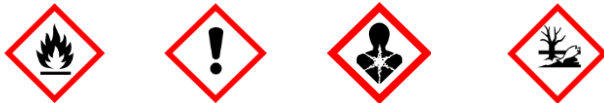
Item Code:	N0180
Product:	Aerocel/Aeroseal Contact Adhesive
Product Use:	Solvent-dispersed synthetic rubber resin adhesive
New Zealand Supplier:	Realcold Ltd
Address:	9 Prescott Street Penrose, Auckland
Telephone:	09 526 5700
Fax Number:	09 526 5721
Emergency Telephone:	09 526 5700 0800 766 764 (National Poison Centre)
Manufacturer:	Aeroflex USA 282 Industrial Park Road, Sweetwater, TN37874, 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:
Surface Coatings and Colourants (Flammable) – HSR002662

Pictograms



HSNO Class.	Hazard Code	Hazard Statement	Australian GHS Category
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3.1B	H225	Highly flammable liquid and vapour.	2
6.1E (oral)	H303	May be harmful if swallowed.	5
6.3A	H315	Causes skin irritation.	2
6.4A	H319	Causes serious eye irritation.	2A
6.8B	H361	Suspected of damaging fertility or the unborn child ...	2
6.9A	H372	Causes damage to through prolonged or repeated exposure ...	1
9.1B	H411	Toxic to aquatic life with long lasting effects.	2

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 and lighting
P242	Use only non-sparking tools.
P243	Take precautionary measures against static discharge.
P260	Do not breathe fumes, vapours or spray*.
P264	Wash hands thoroughly after handling.
P270	Do not eat, drink or smoke when using this product.
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 or attention if you feel unwell.
P331	Do NOT induce vomiting.
P362	Take off contaminated clothing and wash before re-use.
P391	Collect spillage.
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 carbon dioxide, dry chemical, alcohol-type foam for extinction.

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 according to Local Regulations.
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Section 3. Composition / Information on Ingredients

Ingredients	Wt%	CAS NUMBER.
Toluene	15	108-88-3
Hexane	36	110-54-3
Acetone	28	67-64-1

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, if present and easy to do. Continue rinsing . Call a physician if needed.
If on Skin	Remove contaminated clothing and wash skin with warm soapy water. And wash before reuse. Do not scrub. If irritation occurs, get medical assistance.
If Swallowed	If swallowed, call a physician immediately. DO NOT induce vomiting. 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	Closed containers in a fire may rupture due to pressure build-up; use water to cool containers to prevent this.
Suitable Extinguishing media	Carbon dioxide, dry chemical, alcohol-type foam.
Precautions for firefighters and special protective clothing	Wear full protective gear. Protect fire fighters from toxic products of combustion by wearing self-contained breathing apparatus.
HAZCHEM CODE	3YE

Section 6. Accidental Release Measures

Remove all sources of ignition. Ventilate area of spill or leak; if using mechanical ventilation, make sure that it is explosion-proof or does not present an ignition source. For exposures above TLV, wear approved respiratory equipment. Contain spill and prevent it from entering sewer lines or waterways. Use absorbent to assist with the pick-up of material. Scrape up adhesive and place in container.

Waste Disposal Method: Dispose of container and any unused contents in accordance with Local Waste Disposal Regulations. Do not flush unused contents of residue down drains. Do not reuse container.

Section 7. Handling and Storage

Handling & Storage

Store in an area suitable for flammable mixtures. Recommended storage temperature is below 32°C. Vapors are flammable and are heavier than air. Prohibit smoking and eliminate all other sources of ignition, such as regular electrical tools and appliances, making sure that pilots on gas-fired water heaters are extinguished. Warning: This product contains toluene, a chemical known to cause birth defects or other reproductive harm.

Initially there may be a potential adverse impact on indoor air quality within the general work area during the installation process. Therefore you should advise the building manager or other appropriate person that it will be necessary to establish and maintain adequate ventilation of the work area, without causing the entry of contaminants to other part of the building and persons who are sensitive to odors and/or chemicals should be advised to avoid the work area during this process.

Section 8	Exposure Controls / Personal Protection
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WORKPLACE EXPOSURE STANDARDS (provided for guidance only)

Substance	CAS #	TWA		STEL	
		ppm	mg/m3	ppm	mg/m3
Toluene	108-88-3	50	188		
Hexane	110-54-3	20	72		
Acetone	67-64-1	500	1,185	1,000	2,375

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

extremely flammable vapors may ignite explosively or cause flash fire. Use natural cross-ventilation, local (mechanical) pick-up, and/or general area (mechanical) ventilation to prevent an accumulation of solvent vapors, keeping in mind that the ventilation pattern must remove the heavier-than-air solvent vapors from the lower levels of the work spaces. The ventilation should be sufficient to keep the solvent vapor concentration below the TLV.

Personal Protection

Respiratory Protection: With adequate ventilation, respiratory equipment should not be needed. IF adequate ventilation is not afforded, wear respiratory equipment approved for organic vapors.

Skin And Eye Protection: During the manufacture and packaging of this product, impervious gloves, eye protection and eye wash facilities may be appropriate. During normal end-product use, cotton or loop-pile gloves with spectacle type safety glasses are recommended to prevent contact with this mastic product.

Section 9	Physical and Chemical Properties
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Appearance	Straw Coloured liquid
Odour	Solvent
Flash Point	-17°C (Acetone)
Boiling Point	>65°C
Vapour Pressure (mm Hg@20°C)	180
Vapour Density(Air = 1)	3
Percent Volatile by weight	80
Specific Gravity (H₂O=1)	0.81
Solubility in Water	Not soluble
Evaporation Rate (Butyl Acetate =1)	15

Section 10. Stability and Reactivity

Stability of Substance	Stable
Incompatible Materials	Strong oxidizing agents
Hazardous Decomposition Products	Carbon monoxide, carbon dioxide, and other toxic vapors and gases that are common to thermal degradation of organic compounds.

Section 11 Toxicological Information

Primary Route(S) Of Entry:	Inhalation and direct dermal exposure.
Target Organs:	Upper respiratory tract, skin and eyes.
Effects Of Overexposure:	Excessive skin contact may cause drying and cracking of skin, defatting of tissue, and result in dermatitis. Contact with eyes will cause irritation.
Inhalation:	May cause irritation of respiratory tract, coughing, and CNS effects such as headache, dizziness, drowsiness, nausea.
Carcinogenicity:	NTP: No. IARC Monographs: No OSHA Regulated: No.
Medical Conditions Generally Aggravated By Exposure:	Any condition generally aggravated by solvents, pre existing upper respiratory and lung disease such as, but not limited to bronchitis, emphysema, and asthma.

Section 12. Ecotoxicological Information

HSNO Classes: 9.1B = Toxic to aquatic life with long lasting effects.
Do not allow to enter waterways.

Section 13. Disposal Considerations

Dispose of container and any unused contents in accordance with Local Waste Disposal Regulations. Do not flush unused contents of residue down drains. Do not reuse container.

Section 14 Transport Information

This product is Classified as a Dangerous Good for transport in NZ ; NZS 5433:2012

Road and Rail Transport

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

Product Name: Aerocel Contact Adhesive
Date of MSDS: 5 April 2013

N0180

Issued by: Realcold Ltd
Tel: 64 9 526 5700

Section 15 Regulatory Information

EPA Approval Code: Surface Coatings and Colourants (Flammable) – HSR002662

HSNO Classification: 3.1B, 6.1E(oral), 6.3A, 6.4A, 6.8B, 6.9A, 9.1B

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

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

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