realcold

SAFETY DATA SHEET

Item Code: AC1078 & AC1080

Section 1.

Item Code:

Product Use:

Product:

Identification of the material and the supplier AC1078 & AC1080

New Zealand Supplier: Address:

Telephone: Fax Number: **Emergency Telephone:** Adhesive Realcold Ltd 9 Prescott Street Penrose, Auckland

NSC Beta Plus Solvent Cement Type P

09 526 5700 0800 766 764 (National Poison Centre)

Manufacturer:

National Start & Chemical, 5-7 Averton Place, East Tamaki

Date of SDS Preparation:

09 526 5700

09 526 5721

Hazards Identification Section 2.

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

14 March 2017 – ver 2

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

Pictograms



Flammable

HSNO Class. Hazard Code

Hazard Statement

EU Risk Phrases

3.1B	H225	Highly flammable liquid and vapour.	R11
6.3B	H316	Causes mild skin irritation.	R38
6.4A	H319	Causes serious eye irritation.	R36
6.9B	H373	May cause damage to organs	R48

Prevention Code **Prevention Statement**

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.	
P240	Ground/bond container and receiving equipment.	

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P241	Use explosion-proof electrical/ventilating/lighting/
P242	Use only non-sparking tools.
P243	Take precautionary measures against static discharge.
P260	Do not breathe dust/fume/gas/mist/vapours/spray*.
P264	Wash hands thoroughly after handling.
P280	Wear protective clothing including gloves and goggles

Response Code Response Statement

P314	Get medical advice/attention if you feel unwell.	
P338	Remove contact lenses, if present and easy to do. Continue rinsing.	
P303 +	IF ON SKIN (or hair): Remove/Take off immediately all contaminated	
P361+P353	clothing. Rinse skin with water/shower.	
P305 +	IF IN EYES: Rinse cautiously with water for several minutes. Remove	
P351+P338	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 dry agent, carbon dioxide or 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 Dispose of according to local regulations

Section 3. Composition / Information on Ingredients

Ingredients	Wt%	CAS NUMBER.
Cyclohexanone	10-60%	108-94-1
Methyl Ethyl Ketone (mek)	10-60%	78-93-3
Non hazardous ingredients	Remainder	Not Available

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. 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	Highly Flammable		
Hazards from decomposition products	Vapours may form explosive mixtures with air. May evolve toxic gases (carbon oxides, hydrocarbons) when heated to decomposition. Eliminate all ignition sources including cigarettes, open flames, spark producing switches/tools, heaters, naked lights, pilot lights, mobile phones etc. when handling. Earth containers when dispensing fluids.		
Suitable Extinguishing media	Dry agent, carbon dioxide or foam. Prevent contamination of drains or waterways. Absorb runoff with sand orsimilar.		
Precautions for firefighters and special protective clothing	Wear full protective equipment including Self Contained Breathing Apparatus (SCBA) when combating fire. Use waterfog to cool intact containers and nearby storage areas.		
HAZCHEM CODE	3YE		

Section 6.	Accidental Release Measures	
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If spilt (bulk), contact emergency services where appropriate. Wear splash-proof goggles, butyl gloves, a Type A (Organic vapour) respirator (or Full-face Air-line respirator in poorly ventilated areas), coveralls and boots. Ventilate and clear area of all unprotected personnel. Eliminate all heat and ignition sources. Absorb spill with sand or similar, collect and place in sealable containers for disposal.

Section 7.	Handling and Storage	
Handling	Before use carefully read the product label. Use of safe work practices are recommended to avoid eye or skin contact and inhalation. Observe good personal hygiene, including washing hands before eating. Prohibit eating, drinking and smoking in contaminated areas.	
Storage	Store in cool, dry, well ventilated area, removed from oxidising agents (eg. hypochlorites), acids (eg sulphuric acid), heat sources and foodstuffs. Ensure containers are adequately labelled, protected from physical damage and sealed when not in use. Check regularly for leaks or spills. Large storage areas should have appropriate ventilation systems.	
Section 8	Exposure Controls / Personal Protection	

WORKPLACE EXPOSURE STANDARDS (provided for guidance only)

Substance	CAS #	TWA ppm mg/m3	STEL ppm mg/m3
Cyclohexanone Methyl ethyl ketone (MEK)		25 100 150	300

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	areas, mechanical Flammable/explos Vapours are heavi	ours. Use in well ventilated areas. In poorly ventilated explosion proof extraction ventilation is recommended. ive vapours may accumulate in poorly ventilated areas. er than air and may travel some distance to an ignition back. Maintain vapour levels below the recommended 1.	
Personal Protection	Wear splash-proof goggles, butyl gloves and coveralls. Where an inhalation risk exists, wear a Type A (Organic vapour) Respirator. At high vapour levels, wear an Air-line respirator.		
Section 9	Physical and Che	emical Properties	
Appearance Odour Flash Point Boiling Point Lower & Upper Fl Auto-ignition Ten Percent Volatile Specific Gravity Solubility in Wate		Clear Liquid Solvent Odour -15°C 66°C 1.7 – 10.9% Not available 80% 1.0 Insoluble	
Section 10. Stab	ility and Reactivity	/	
Stability of Subst Conditions to Avo Incompatible Mat	bid Avoid l terials Incomperoxic source	under recommended conditions of storage. heat, sparks, open flames and other ignition sources. patible with oxidising agents (eg. hypochlorites, des), acids (eg. sulphuric acid), heat and ignition s.	
Hazardous Decon Products	May ev	olve toxic gases (carbon oxides, hydrocarbons) when to decomposition.	
Section 11	Toxicological Inf	formation	
Cyclohexanone Ca		LC50 (Inhalation): 8000 ppm/4 hours (rat) LD50 (Ingestion): 1400 mg/kg (mouse) LD50 (Skin): 948 mg/kg (rabbit)	
Methyl Ethyl Keton	e (mek) [78-93-3]	LC50 (Inhalation): 23500 mg/kg (rat) LD50 (Ingestion): 2737 mg/kg (rat) LD50 (Skin): 6480 mg/kg (rabbit)	
Avoid eye or skin co (peripheral neuropa	This product has the potential to cause adverse health effects. Use safe work practices to Avoid eye or skin contact and vapour inhalation. May increase the risk of nerve damage (peripheral neuropathy, with weakness in hands and feet) when used in combination with certain other solvents (e.g. n-hexane).		
	-	crimation, irritation, pain, redness, conjunctivitis and	

	possible corneal burns with prolonged contact.
<u>Inhalation</u>	Over exposure may result in mucous membrane irritation of the nose and throat, coughing, loss of appetite, nausea and vomiting. At high levels; breathing
<u>Skin</u>	difficulties, dizziness, drowsiness, pulmonary oedema and unconsciousness. Prolonged contact may result in drying and defatting of the skin, rash and
	dermatitis. Toxic effects may result from skin absorption.
<u>Ingestion</u>	Ingestion may result in nausea, vomiting, abdominal pain, diarrhoea, fatigue,

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dizziness, drowsiness and unconsciousness with large doses. Aspiration may result in chemical pneumonitis and pulmonary oedema.

Section 12. Ecotoxicological Information

Environment

Methyl ethyl ketone (MEK) vapour in the atmosphere will degrade primarily by reaction with photochemically produced hydroxyl radicals. MEK will volatilise from the soil and water surfaces and is highly mobile with in soil.

MEK will not bioconcentrate and is rapidly biodegradable.

Ecotoxicity

Not expected to be ecotoxic.

Persistence / Degradability

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

Mobility

Partially miscible with water. Similar density to water.

Section 13. Disposal Considerations				
Waste Disposal	Wearing the protective equipment outlined, ensure all ignition sources are extinguished. For small quantities, absorb on paper, sand or similar and evaporate under a fume cupboard or open area. For large volumes, atomise into incinerator (mixing with more flammable solvent if required) or recycle by gravimetric separation, distilling & reusing. Contact the manufacturer for additional information if required.			
Legislation	Dispose of in accordance with relevant local legislation.			

Section 14	Transport Information
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	1			
Proper Shipping Name:	Adhesives containing Flammable Liquid			
<u>Air Transport</u>				
UN No: Class-primary Packing Group Proper Shipping Name: Marine Transport	1133 3 1 Adhesives containing Flammable Liquid			
UN No:	1133			
Class-primary	3			
Packing Group	1			
Proper Shipping Name:	Adhesives containing Flammable Liquid			

Section 15 Regulatory Information

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

HSNO Classification: 3.1B, 6.3B, 6.4A, 6.9B

HSNO Controls:

Trigger quantities for this substance:

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

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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