# Pacer Technology Zap-A-Gap Pacer Technology

Chemwatch: 6010-94 Version No: 4.1

Safety Data Sheet according to WHS Regulations (Hazardous Chemicals) Amendment 2020 and ADG requirements

Chemwatch Hazard Alert Code: 2

Issue Date: 01/11/2019 Print Date: 23/03/2022 S.GHS.AUS.EN

## SECTION 1 Identification of the substance / mixture and of the company / undertaking

Product Identifier					
Product name	Pacer Technology Zap-A-Gap				
Chemical Name	Not Applicable				
Synonyms	fast-setting glue adhesive Zapagap; 3/97				
Chemical formula	Not Applicable				
Other means of identification	Not Available				

## Relevant identified uses of the substance or mixture and uses advised against

Relevant identified uses Extremely strong, fast-setting, general purpose adhesive.

## Details of the supplier of the safety data sheet

	•				
Registered company name	Pacer Technology				
Address	9420 Santa Anita Avenue Rancho Cucamonga CA 91730 United States				
Telephone	909 987 0550				
Fax	Not Available				
Website	http://supergluecorp.com/				
Email	info@supergluecorp.com				

## Emergency telephone number

Association / Organisation	CHEMWATCH EMERGENCY RESPONSE			
Emergency telephone numbers	+61 1800 951 288			
Other emergency telephone numbers	+61 2 9186 1132			

Once connected and if the message is not in your prefered language then please dial 01

## **SECTION 2 Hazards identification**

## Classification of the substance or mixture

COMBUSTIBLE LIQUID, regulated for storage purposes only

Poisons Schedule	Not Applicable
Classification <sup>[1]</sup>	Skin Corrosion/Irritation Category 2, Serious Eye Damage/Eye Irritation Category 2A, Sensitisation (Skin) Category 1, Germ Cell Mutagenicity Category 2, Carcinogenicity Category 2, Specific Target Organ Toxicity - Single Exposure (Respiratory Tract Irritation) Category 3, Hazardous to the Aquatic Environment Acute Hazard Category 2, Hazardous to the Aquatic Environment Long-Term Hazard Category 2, Flammable Liquids Category 4
Legend:	1. Classified by Chemwatch; 2. Classification drawn from HCIS; 3. Classification drawn from Regulation (EU) No 1272/2008 - Annex VI

## Label elements

Hazard pictogram(s)







Signal word Warning

## Hazard statement(s)

H315	Causes skin irritation.				
H319	Causes serious eye irritation.				
H317	May cause an allergic skin reaction.				
H341	Suspected of causing genetic defects.				
H351	Suspected of causing cancer.				
H335	May cause respiratory irritation.				
H411	Toxic to aquatic life with long lasting effects.				

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H227 Combustible liquid

## Precautionary statement(s) Prevention

P201	Obtain special instructions before use.			
P210	Geep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking.			
P271	Use only outdoors or in a well-ventilated area.			
P280	Wear protective gloves, protective clothing, eye protection and face protection.			

## Precautionary statement(s) Response

P308+P313	IF exposed or concerned: Get medical advice/ attention.					
P370+P378	case of fire: Use alcohol resistant foam or normal protein foam to extinguish.					
P302+P352	IF ON SKIN: Wash with plenty of water.					
P305+P351+P338	IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.					

#### Precautionary statement(s) Storage

P405	Store locked up.	
P403+P233	Store in a well-ventilated place. Keep container tightly closed.	

## Precautionary statement(s) Disposal

P501 Dispose of contents/container to authorised hazardous or special waste collection point in accordance with any local regulation.

## **SECTION 3 Composition / information on ingredients**

#### Substances

See section below for composition of Mixtures

#### **Mixtures**

CAS No	%[weight] Name				
7085-85-0	>60	ethyl cyanoacrylate			
9011-14-7	10-30 <u>methyl methacrylate homopolymer</u>				
123-31-9	0-1	hydroquinone			
Legend:	1. Classified by Chemwatch; 2. Classification drawn from HCIS; 3. Classification drawn from Regulation (EU) No 1272/2008 - Annex VI; 4. Classification drawn from C&L * EU IOELVs available				

## **SECTION 4 First aid measures**

## Description of first aid measures

## **Eyelid Adhesion**

- Wash thoroughly with water and apply moist pad; maintain in position.
- ► DO NOT force separation
- Transport to hospital, or doctor without delay.
- Minor eye contamination should be treated by copious washing with water or 1% sodium carbonate solution.
- The eye will generally open without further action, typically in one to two days. there should be no residual damage.
   Adhesive introduced
- ▶ Removal of contact lenses after eye injury should only be undertaken by skilled personnel.

## Adhesive in the Eye:

- Adhesive will attach itself to eye proteins and will disassociate from these over intermittent periods, usually within several hours.
- ► This will result in weeping until clearance of the protein complex.
- It is important to understand that disassociation will normally occur within a matter of hours even with gross contamination.

#### involving cyanoacrylates are best handled by passive, non-surgical first aid. **Skin Contact:**

Remove excessive adhesive

▶ Soak in warm water - the adhesive should loosen from the skin in several hours. Dried adhesive does not present a health hazard.

Cyanoacrylate adhesives is a very fast setting and strong, they bond human tissues including skin in seconds. Experience shows that accidents

F Contact with clothes, fabric, rags or tissues may generate heat, and strong irritating odours; skin burns may also ensue.

## Skin Contact Sk

**Eye Contact** 

- Skin Adhesion:

   IMMEDIATELY immerse affected areas in warm soapy water.
- DO NOT force bonded surfaces apart
- Use a gentle rolling action to peel surfaces apart if possible. It may be necessary to use a blunt edge such as a spatula or spoon handle. Do NOT attempt to pull the surfaces apart with a direct opposing action.
- Remove any cured material with warm, soapy water.
- Seek medical attention without delay.
- A solvent such as acetone may be used (with care!) to separate bonded skin surfaces. **NEVER** use solvent near eyes, mouth, cuts, or abrasions.

## Inhalation

- $\mbox{\ }\mbox{\ }$  If fumes or combustion products are inhaled remove from contaminated area.
- Lay patient down. Keep warm and rested.
- Prostheses such as false teeth, which may block airway, should be removed, where possible, prior to initiating first aid procedures.
  - Apply artificial respiration if not breathing, preferably with a demand valve resuscitator, bag-valve mask device, or pocket mask as trained. Perform CPR if necessary.
- ► Transport to hospital, or doctor.

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- For advice, contact a Poisons Information Centre or a doctor at once. Urgent hospital treatment is likely to be needed.
- If swallowed do **NOT** induce vomiting.
- If vomiting occurs, lean patient forward or place on left side (head-down position, if possible) to maintain open airway and prevent aspiration.
- Observe the patient carefully.
- Never give liquid to a person showing signs of being sleepy or with reduced awareness; i.e. becoming unconscious.
- Give water to rinse out mouth, then provide liquid slowly and as much as casualty can comfortably drink.
- ► Transport to hospital or doctor without delay.
  - For material bonded in the mouth seek medical/dental attention.
- Fill flips are accidentally stuck together apply lots of warm water and encourage maximum wetting and pressure from saliva inside the mouth.
- ▶ Peal or roll lips apart.
- Do NOT attempt to pull the lips with direct opposing action.
- It is almost impossible to swallow cyanoacrylates. The adhesive solidifies and adheres in the mouth. Saliva will lip the adhesion in one or two days

## Indication of any immediate medical attention and special treatment needed

Treat symptomatically

It should never be necessary to use surgical means to separate tissues which become accidentally bonded. The action of physiological fluids or warm soapy water will cause this adhesive to eventually fail.

## **SECTION 5 Firefighting measures**

## **Extinguishing media**

- ► Foam.
- Dry chemical powder.

Carbon dioxide.

## Special hazards arising from the substrate or mixture

Ingestion

Fire Incompatibility	Avoid contamination with oxidising agents i.e. nitrates, oxidising acids, chlorine bleaches, pool chlorine etc. as ignition may result						
Advice for firefighters							
Fire Fighting	<ul> <li>Alert Fire Brigade and tell them location and nature of hazard.</li> <li>Wear breathing apparatus plus protective gloves.</li> <li>Prevent, by any means available, spillage from entering drains or water course.</li> <li>Use water delivered as a fine spray to control fire and cool adjacent area.</li> </ul>						
Fire/Explosion Hazard	Combustible liquid . Moderate fire hazard when exposed to heat or flame. On combustion, emits toxic fumes of: hydrogen cyanide nitrogen oxides (NOx) carbon monoxide (CO) and carbon dioxide (CO2)						
HAZCHEM	Not Applicable						

## **SECTION 6 Accidental release measures**

## Personal precautions, protective equipment and emergency procedures

See section 8

## **Environmental precautions**

See section 12

## Methods and material for containment and cleaning up

Minor Spills	Clean up all spills immediately. Avoid breathing vapours and contact with skin and eyes. Wear impervious gloves and safety glasses. Add water to cure (harden) the substance. Scrape up the cured (hardened) substance. Place in suitable containers for disposal. If cloth has been used to wipe up spills, immediately soak the cloth in water to produce polymerisation and prevent possibility of autoignition.
Major Spills	Clear area of personnel.  Alert Fire Brigade and tell them location and nature of hazard.  Control personal contact with the substance, by using protective equipment Prevent, by any means available, spillage from entering drains or water courses. Increase ventilation.  Absorb or cover spill with sand, earth, inert material or vermiculite Add water to cure (harden) the substance.  Acetone may be used to soften the cured (hardened) substance before removal.  Scrape up the cured (hardened) substance.  Collect residues and seal in labelled drums for disposal Use a solvent to clean the area.  If contamination of drains or waterways occurs, advise emergency services.

Personal Protective Equipment advice is contained in Section 8 of the SDS.

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## **SECTION 7 Handling and storage**

## Precautions for safe handling

Use good occupational work practice. Observe manufacturer's storage and handling recommendations contained within this SDS.

Avoid all personal contact, including inhalation

Avoid generating and breathing vapour

Wear protective clothing when risk of exposure occurs.

Use in a well-ventilated area

Avoid contact with incompatible materials.

Avoid contact with moisture.

DO NOT dilute or mix with water or other products

Handle and open container with care

When handling, **DO NOT** eat, drink or smoke.

Keep containers securely sealed when not in use Avoid physical damage to containers.

Wash hands with soap and water after handling

Keep cool. Store below 25 deg.C

Other information

Safe handling

Keep dry.

- Store in original containers.
- ▶ Keep containers securely sealed.
- No smoking, naked lights or ignition sources.

## Conditions for safe storage, including any incompatibilities

## Suitable container

- Check that containers are clearly labelled
- Packaging as recommended by manufacturer.
- ► Avoid reaction with oxidising agents

Avoid contact with

water , alcohols

Storage incompatibility

selected amines

alkalies

peroxides and

metal oxides

## SECTION 8 Exposure controls / personal protection

## **Control parameters**

## Occupational Exposure Limits (OEL)

## INGREDIENT DATA

Source	Ingredient	Material name	TWA	STEL	Peak	Notes
Australia Exposure Standards	hydroquinone	Hydroquinone	2 mg/m3	Not Available	Not Available	Not Available

## **Emergency Limits**

Ingredient	TEEL-1	TEEL-2	TEEL-3
hydroquinone	3 mg/m3	20 mg/m3	120 mg/m3

Ingredient	Original IDLH	Revised IDLH
ethyl cyanoacrylate	Not Available	Not Available
methyl methacrylate homopolymer	Not Available	Not Available
hydroquinone	50 mg/m3	Not Available

## Occupational Exposure Banding

Appropriate engineering

controls

Ingredient	Occupational Exposure Band Rating	Occupational Exposure Band Limit
ethyl cyanoacrylate	E	≤ 0.1 ppm
methyl methacrylate homopolymer	E	≤ 0.01 mg/m³

Notes:

Occupational exposure banding is a process of assigning chemicals into specific categories or bands based on a chemical's potency and the adverse health outcomes associated with exposure. The output of this process is an occupational exposure band (OEB), which corresponds to a range of exposure concentrations that are expected to protect worker health.

## **Exposure controls**

In confined space:

Full face respirator with supplied air.

Engineering controls are used to remove a hazard or place a barrier between the worker and the hazard. Well-designed engineering controls can be highly effective in protecting workers and will typically be independent of worker interactions to provide this high level of protection.

The basic types of engineering controls are:

Process controls which involve changing the way a job activity or process is done to reduce the risk.

Enclosure and/or isolation of emission source which keeps a selected hazard "physically" away from the worker and ventilation that strategically "adds" and "removes" air in the work environment.

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## Personal protection Chemical goggles DO NOT wear contact lenses. ► Contact lenses may pose a special hazard; soft contact lenses may absorb and concentrate irritants. A written policy document, describing Eye and face protection the wearing of lens or restrictions on use, should be created for each workplace or task. This should include a review of lens absorption and adsorption for the class of chemicals in use and an account of injury experience. Medical and first-aid personnel should be trained in their removal and suitable equipment should be readily available. Skin protection See Hand protection below

Hands/feet protection

Polyethylene gloves

▶ PVC gloves

Safety footwear

**Body protection** See Other protection below

Overalls

Impervious apron Other protection

Barrier cream

Eyewash unit.

Ensure there is ready access to a safety shower

#### Recommended material(s)

#### **GLOVE SELECTION INDEX**

Glove selection is based on a modified presentation of the:

## "Forsberg Clothing Performance Index".

The effect(s) of the following substance(s) are taken into account in the *computer*generated selection:

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Material	СРІ
NATURAL RUBBER	A
NATURAL+NEOPRENE	Α
NEOPRENE	Α
NEOPRENE/NATURAL	Α
NITRILE	Α
PVC	Α

- \* CPI Chemwatch Performance Index
- A: Best Selection
- B: Satisfactory; may degrade after 4 hours continuous immersion
- C: Poor to Dangerous Choice for other than short term immersion

NOTE : As a series of factors will influence the actual performance of the glove, a finalselection must be based on detailed observation. -

 $^{\star}$  Where the glove is to be used on a short term, casual or infrequent basis, factors such as "feel" or convenience (e.g. disposability), may dictate a choice of gloves which might otherwise be unsuitable following long-term or frequent use. A qualified practitioner should be consulted.

## Respiratory protection

Type A-P Filter of sufficient capacity. (AS/NZS 1716 & 1715, EN 143:2000 & 149:2001, ANSI Z88 or national equivalent)

Where the concentration of gas/particulates in the breathing zone, approaches or exceeds the "Exposure Standard" (or ES), respiratory protection is required. Degree of protection varies with both face-piece and Class of filter; the nature of protection varies with Type of filter.

Required Minimum Protection Factor	Half-Face Respirator	Full-Face Respirator	Powered Air Respirator
up to 10 x ES	A-AUS P2	-	A-PAPR-AUS / Class 1 P2
up to 50 x ES	-	A-AUS / Class 1 P2	-
up to 100 x ES	-	A-2 P2	A-PAPR-2 P2 ^

## ^ - Full-face

A(All classes) = Organic vapours, B AUS or B1 = Acid gasses, B2 = Acid gas or hydrogen cyanide(HCN), B3 = Acid gas or hydrogen cyanide(HCN), E = Sulfur dioxide(SO2), G = Agricultural chemicals, K = Ammonia(NH3), Hg = Mercury, NO = Oxides of nitrogen, MB = Methyl bromide, AX = Low boiling point organic compounds(below 65 degC)

## **SECTION 9 Physical and chemical properties**

## Information on basic physical and chemical properties

Appearance	Clear, colourless to straw liquid with a stimulative odour. Moisture initiates polymerisation. Solidifies instantly in contact with water.		
Physical state	Liquid Relative density (Water = 1) 1.06		
Odour	Not Available	Partition coefficient n-octanol / water	Not Available
Odour threshold	Not Available	Auto-ignition temperature (°C)	Not Available
pH (as supplied)	Not Applicable	Decomposition temperature	Not Available
Melting point / freezing point (°C)	Not Available	Viscosity (cSt)	Not Available
Initial boiling point and boiling range (°C)	65	Molecular weight (g/mol)	Not Applicable
Flash point (°C)	80	Taste	Not Available
Evaporation rate	Not Available	Explosive properties	Not Available
Flammability	Combustible.	Oxidising properties	Not Available
Upper Explosive Limit (%)	Not Available	Surface Tension (dyn/cm or mN/m)	Not Available
Lower Explosive Limit (%)	Not Available	Volatile Component (%vol)	Not Available
Vapour pressure (kPa)	Negligible	Gas group	Not Available
Solubility in water	Reacts	pH as a solution (Not Available%)	Not Applicable

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Vapour density (Air = 1) Not Available VOC g/L Not Available

## **SECTION 10 Stability and reactivity**

Reactivity	See section 7
Chemical stability	Presence of water  . Unstable in the presence of incompatible materials Storage in unsealed containers Product is considered stable under normal handling conditions Hazardous polymerisation will not occur.
Possibility of hazardous reactions	See section 7
Conditions to avoid	See section 7
Incompatible materials	See section 7
Hazardous decomposition products	See section 5

## **SECTION 11 Toxicological information**

## Information on toxicological effects

Inhaled	The vapour is discomforting to the upper respiratory tract Respiratory sensitisation may result in allergic/asthma like responses; from coughing and minor breathing difficulties to bronchitis with wheezing, gasping. In low humidity, cyanoacrylate vapours are irritating to the respiratory system and eyes. High concentrations may cause inflammation of the lungs and other complications.
Ingestion	Uncured cyanoacrylates are difficult to swallow as saliva cures the surface of the adhesive with negligible bonding. The cured material is considered to be non-hazardous.  Considered an unlikely route of entry in commercial/industrial environments
Skin Contact	The material is highly discomforting to the skin and may cause chemical burns Sensitisation may result in allergic dermatitis responses including rash, itching, hives or swelling of extremities. Small n-alkyl cyanoacrylates cause burns and irritation on skin contact. Exposure to their vapours can cause irritation, but usually only in dry conditions.
Еуе	The vapour/liquid is highly discomforting to the eyes Exposure to cyanoacrylate vapours can cause discomfort and tears, nasal discharge, and blurred vision. The eyelids may be glued shut.
Chronic	Principal routes of exposure are by accidental skin and eye contact and by inhalation of vapours especially at higher temperatures.  Dermatitis may result from prolonged exposures. On repeated and prolonged exposure by skin contact or inhalation, a small proportion of individuals develop allergic sensitivities.

December 7 and a second 7 and 4 Com-	тохісіту	IRRITATION
Pacer Technology Zap-A-Gap	Not Available	Not Available
	тохісіту	IRRITATION
	Dermal (rabbit) LD50: 233.2 mg/kg <sup>[2]</sup>	Not Available
ethyl cyanoacrylate	Inhalation(Rat) LC50; 5.278 mg/L4h <sup>[2]</sup>	
	Oral (Rat) LD50; 190.8 mg/kg <sup>[2]</sup>	
methyl methacrylate	TOXICITY	IRRITATION
homopolymer	Not Available	Not Available
	тохісіту	IRRITATION
hydroquinone	Dermal (rabbit) LD50: >2000 mg/kg <sup>[1]</sup>	Skin (human): 2% - mild
	Oral (Rat) LD50; 320 mg/kg <sup>[2]</sup>	Skin (human): 5% - SEVERE
	Nalue obtained from Europe ECHA Registered Substances - Acute toxicity 2.* Value obtained from manufacturer's SDS. Unless otherwise specified data extracted from RTECS - Register of Toxic Effect of chemical Substances	

FTHYI	CYANOACRYI	ΔTE	

For methyl cyanoacrylate (MCA) and ethyl cyanoacrylate (ECA)

Studies show that the key toxicological features of MCA and ECA are as a result of local activity at the site of contact. Liquid MCA and ECA may cause eye and skin irritation on repeated exposure but inconclusive evidence of skin sensitization and asthma causing effect. ECA and MCA does not cause genetic toxicity but presents similar health effect predicted to be due to its similar dose-response relationship, close structural similarities, similar physicochemical properties and toxicological profiles. \* [AIHAAP]

#### METHYL METHACRYLATE **HOMOPOLYMER**

Polymethyl methacrylate (PMMA) and related cosmetic ingredients methyl methacrylate crosspolymer and methyl methacrylate/glycol dimethacrylate crosspolymer are polymers that function as film formers and viscosity-increasing agents in cosmetics. The Food and Drug Administration (FDA) determination of safety of PMMA use in several medical devices, which included human and animal safety data, was used as the basis of safety of PMMA and related polymers in cosmetics by the Cosmetic Ingredient Review (CIR) Expert Panel. The PMMA used in

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cosmetics is substantially the same as in medical devices. The Panel concluded that these ingredients are safe as cosmetic ingredients in the practices of use and concentrations as described in this safety assessment J Toxicol. No significant acute toxicological data identified in literature search. The following information refers to contact allergens as a group and may not be specific to this product. Contact allergies quickly manifest themselves as contact eczema, more rarely as urticaria or Quincke's oedema. The pathogenesis of contact eczema involves a cell-mediated (T lymphocytes) immune reaction of the delayed type. Other allergic skin reactions, e.g. contact urticaria, involve antibody-mediated immune reactions. **HYDROQUINONE** The material may cause severe skin irritation after prolonged or repeated exposure and may produce on contact skin redness, swelling, the production of vesicles, scaling and thickening of the skin. Repeated exposures may produce severe ulceration. Animal testing shows that hydroquinone is rapidly and extensively absorbed from the gut and lung. Absorption via the skin is slow, but may be accelerated with alcohols. Hydroquinone distributes rapidly and widely among tissues. It is rapidly excreted from the body, mostly via the urine. In animals, hydroquinone has moderate oral acute toxicity. Asthma-like symptoms may continue for months or even years after exposure to the material ends. This may be due to a non-allergic condition known as reactive airways dysfunction syndrome (RADS) which can occur after exposure to high levels of highly irritating compound. Main **ETHYL CYANOACRYLATE &** criteria for diagnosing RADS include the absence of previous airways disease in a non-atopic individual, with sudden onset of persistent **METHYL METHACRYLATE** asthma-like symptoms within minutes to hours of a documented exposure to the irritant. Other criteria for diagnosis of RADS include a reversible HOMOPOLYMER airflow pattern on lung function tests, moderate to severe bronchial hyperreactivity on methacholine challenge testing, and the lack of minimal lymphocytic inflammation, without eosinophilia. METHYL METHACRYLATE The substance is classified by IARC as Group 3: **HOMOPOLYMER &** NOT classifiable as to its carcinogenicity to humans. **HYDROQUINONE** Evidence of carcinogenicity may be inadequate or limited in animal testing **Acute Toxicity** Carcinogenicity Skin Irritation/Corrosion Reproductivity × Serious Eye Damage/Irritation STOT - Single Exposure

Legend:

STOT - Repeated Exposure

**Aspiration Hazard** 

X − Data either not available or does not fill the criteria for classification
 ✓ − Data available to make classification

×

Leg

## **SECTION 12 Ecological information**

Respiratory or Skin

sensitisation Mutagenicity

#### Toxicity

Pacer Technology Zap-A-Gap	Endpoint	Test Duration (hr)	Species	Value	Source
	Not Available	Not Available	Not Available	Not Available	Not Available
	Endpoint	Test Duration (hr)	Species	Value	Source
ethyl cyanoacrylate	Not Available	Not Available	Not Available	Not Available	Not Available
methyl methacrylate homopolymer	Endpoint	Test Duration (hr)	Species	Value	Source
	Not Available	Not Available	Not Available	Not Available	Not Available
	Endpoint	Test Duration (hr)	Species	Value	Source
	NOEC(ECx)	72h	Algae or other aquatic plants	0.002mg/l	2
	ErC50	72h	Algae or other aquatic plants	0.335mg/l	1
hydroquinone	LC50	96h	Fish	0.044mg/l	2
	EC50	72h	Algae or other aquatic plants	<0.033mg/l	2
	EC50	48h	Crustacea	0.061mg/l	2
Legend:			HA Registered Substances - Ecotoxicological Information		

## Persistence and degradability

Ingredient	Persistence: Water/Soil	Persistence: Air
ethyl cyanoacrylate	LOW	LOW
methyl methacrylate homopolymer	LOW (Half-life = 56 days)	LOW (Half-life = 0.4 days)
hydroquinone	LOW	LOW

## Bioaccumulative potential

Ingredient	Bioaccumulation		
ethyl cyanoacrylate	LOW (LogKOW = 1.4174)		
methyl methacrylate homopolymer	LOW (LogKOW = 1.2751)		
hydroquinone	LOW (BCF = 65)		

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#### Mobility in soil

Ingredient	Mobility
ethyl cyanoacrylate	LOW (KOC = 6.847)
methyl methacrylate homopolymer	LOW (KOC = 10.14)
hydroquinone	LOW (KOC = 434)

## **SECTION 13 Disposal considerations**

#### Waste treatment methods

Product / Packaging disposal

- Recycle wherever possible or consult manufacturer for recycling options.
- Consult State Land Waste Authority for disposal.
- Bury or incinerate residue at an approved site.
   Recycle containers if possible, or dispose of in an authorised landfill.

## **SECTION 14 Transport information**

#### Labels Required

COMBUSTIBLE LIQUID

COMBUSTIBLE LIQUID, regulated for storage purposes only

**Marine Pollutant** 



HAZCHEM

Not Applicable

Land transport (ADG): NOT REGULATED FOR TRANSPORT OF DANGEROUS GOODS

Air transport (ICAO-IATA / DGR): NOT REGULATED FOR TRANSPORT OF DANGEROUS GOODS

Sea transport (IMDG-Code / GGVSee): NOT REGULATED FOR TRANSPORT OF DANGEROUS GOODS

Transport in bulk according to Annex II of MARPOL and the IBC code

Not Applicable

Transport in bulk in accordance with MARPOL Annex V and the IMSBC Code

·	
Product name	Group
ethyl cyanoacrylate	Not Available
methyl methacrylate homopolymer	Not Available
hydroquinone	Not Available

## Transport in bulk in accordance with the ICG Code

Product name	Ship Type	
ethyl cyanoacrylate	Not Available	
methyl methacrylate homopolymer	Not Available	
hydroquinone	Not Available	

## **SECTION 15 Regulatory information**

## Safety, health and environmental regulations / legislation specific for the substance or mixture

## ethyl cyanoacrylate is found on the following regulatory lists

Australia Hazardous Chemical Information System (HCIS) - Hazardous Chemicals Australia Standard for the Uniform Scheduling of Medicines and Poisons (SUSMP) - Schedule 5

Australian Inventory of Industrial Chemicals (AIIC)

## methyl methacrylate homopolymer is found on the following regulatory lists

Australian Inventory of Industrial Chemicals (AIIC)

International Agency for Research on Cancer (IARC) - Agents Classified by the IARC Monographs

## hydroquinone is found on the following regulatory lists

Australia Hazardous Chemical Information System (HCIS) - Hazardous Chemicals
Australia Standard for the Uniform Scheduling of Medicines and Poisons (SUSMP) Schedule 2

Australia Standard for the Uniform Scheduling of Medicines and Poisons (SUSMP) - Schedule 4

Australia Standard for the Uniform Scheduling of Medicines and Poisons (SUSMP) - Schedule  ${\bf 5}$ 

Australia Standard for the Uniform Scheduling of Medicines and Poisons (SUSMP) - Schedule  ${\bf 6}$ 

Australian Inventory of Industrial Chemicals (AIIC)

Chemical Footprint Project - Chemicals of High Concern List

International Agency for Research on Cancer (IARC) - Agents Classified by the IARC Monographs

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**National Inventory Status** 

National Inventory	Status			
Australia - AIIC / Australia Non-Industrial Use	Yes			
Canada - DSL	Yes			
Canada - NDSL	No (ethyl cyanoacrylate; methyl methacrylate homopolymer; hydroquinone)			
China - IECSC	Yes			
Europe - EINEC / ELINCS / NLP	No (methyl methacrylate homopolymer)			
Japan - ENCS	No (methyl methacrylate homopolymer)			
Korea - KECI	Yes			
New Zealand - NZIoC	Yes			
Philippines - PICCS	Yes			
USA - TSCA	Yes			
Taiwan - TCSI	Yes			
Mexico - INSQ	Yes			
Vietnam - NCI	Yes			
Russia - FBEPH	Yes			
Legend:	Yes = All CAS declared ingredients are on the inventory No = One or more of the CAS listed ingredients are not on the inventory. These ingredients may be exempt or will require registration.			

## **SECTION 16 Other information**

Revision Date	01/11/2019
Initial Date	01/11/2009

#### **SDS Version Summary**

Version	Date of Update	Sections Updated
3.1	27/06/2017	Classification
4.1	01/11/2019	One-off system update. NOTE: This may or may not change the GHS classification

## Other information

Classification of the preparation and its individual components has drawn on official and authoritative sources as well as independent review by the Chemwatch Classification committee using available literature references.

The SDS is a Hazard Communication tool and should be used to assist in the Risk Assessment. Many factors determine whether the reported Hazards are Risks in the workplace or other settings. Risks may be determined by reference to Exposures Scenarios. Scale of use, frequency of use and current or available engineering controls must be considered.

## **Definitions and abbreviations**

 ${\sf PC-TWA} : {\sf Permissible\ Concentration-Time\ Weighted\ Average}$ 

PC-STEL: Permissible Concentration-Short Term Exposure Limit

IARC: International Agency for Research on Cancer

ACGIH: American Conference of Governmental Industrial Hygienists

STEL: Short Term Exposure Limit

TEEL: Temporary Emergency Exposure Limit $_{\circ}$ 

IDLH: Immediately Dangerous to Life or Health Concentrations

ES: Exposure Standard OSF: Odour Safety Factor

NOAEL :No Observed Adverse Effect Level

LOAEL: Lowest Observed Adverse Effect Level

TLV: Threshold Limit Value LOD: Limit Of Detection

OTV: Odour Threshold Value

BCF: BioConcentration Factors BEI: Biological Exposure Index

AIIC: Australian Inventory of Industrial Chemicals

DSL: Domestic Substances List NDSL: Non-Domestic Substances List

IECSC: Inventory of Existing Chemical Substance in China

EINECS: European INventory of Existing Commercial chemical Substances

ELINCS: European List of Notified Chemical Substances

NLP: No-Longer Polymers

ENCS: Existing and New Chemical Substances Inventory

KECI: Korea Existing Chemicals Inventory NZIoC: New Zealand Inventory of Chemicals

PICCS: Philippine Inventory of Chemicals and Chemical Substances

TSCA: Toxic Substances Control Act

TCSI: Taiwan Chemical Substance Inventory INSQ: Inventario Nacional de Sustancias Químicas

NCI: National Chemical Inventory

FBEPH: Russian Register of Potentially Hazardous Chemical and Biological Substances

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