

Material Safety Data Sheet CARBO-MAX

This revision dated: Sep 2023

AQUA-PICS

Carrum Downs, Victoria, Australia

Ph: 0425 710 943 www.aquapics.com.au

Product Identifier	
Product Name	Glutaraldehyde (1.6% solution)
Chemical Name	Not applicable
Chemical Formula	Not applicable
Other Means of Identification	Not available
Relevant identified uses of the substanc	e or mixture and uses advised against
Relevant identified uses	Use according to manufacturer's directions
Details of the supplier of the safety data	sheet
	AVA Synergistics Pty Ltd t/a Aqua-Pics
	Unit 3, 544 Frankston-Dandenong Road, Carrum Downs, Vic. 3201
	Phone: 0425 710 943
Emergency	Chemwatch Emergency Response
Primary number	1800 039 008
Alternative number	+612 9186 1132
Section 2 Hazards Identification	
Classification of the substance or mixtur	re
Classification of the substance or mixtur	re US GOODS. According to the Criteria of NOHSC, and the ADG Code.
Classification of the substance or mixture HAZARDOUS SUBSTANCE. NON-DANGEROR	**
Classification of the substance or mixture HAZARDOUS SUBSTANCE. NON-DANGEROU Poisons Schedule	US GOODS. According to the Criteria of NOHSC, and the ADG Code.
Classification of the substance or mixture HAZARDOUS SUBSTANCE. NON-DANGEROU Poisons Schedule	US GOODS. According to the Criteria of NOHSC, and the ADG Code.
Classification of the substance or mixture HAZARDOUS SUBSTANCE. NON-DANGEROU Poisons Schedule	US GOODS. According to the Criteria of NOHSC, and the ADG Code. S6 R20/22 – Harmful by inhalation and if swallowed R37/38 – Irritating to respiratory system and skin
Classification of the substance or mixture HAZARDOUS SUBSTANCE. NON-DANGEROU Poisons Schedule	US GOODS. According to the Criteria of NOHSC, and the ADG Code. S6 R20/22 – Harmful by inhalation and if swallowed
Classification of the substance or mixture HAZARDOUS SUBSTANCE. NON-DANGEROU Poisons Schedule	US GOODS. According to the Criteria of NOHSC, and the ADG Code. S6 R20/22 – Harmful by inhalation and if swallowed R37/38 – Irritating to respiratory system and skin R42/43 – May cause SENSITISATION by inhalation and skin contact R51 – Toxic to aquatic organisms
Classification of the substance or mixture HAZARDOUS SUBSTANCE. NON-DANGEROU Poisons Schedule Hazard Statement(s)	US GOODS. According to the Criteria of NOHSC, and the ADG Code. S6 R20/22 – Harmful by inhalation and if swallowed R37/38 – Irritating to respiratory system and skin R42/43 – May cause SENSITISATION by inhalation and skin contact
Classification of the substance or mixture HAZARDOUS SUBSTANCE. NON-DANGEROU Poisons Schedule Hazard Statement(s)	US GOODS. According to the Criteria of NOHSC, and the ADG Code. S6 R20/22 – Harmful by inhalation and if swallowed R37/38 – Irritating to respiratory system and skin R42/43 – May cause SENSITISATION by inhalation and skin contact R51 – Toxic to aquatic organisms
Classification of the substance or mixture HAZARDOUS SUBSTANCE. NON-DANGEROU Poisons Schedule Hazard Statement(s)	US GOODS. According to the Criteria of NOHSC, and the ADG Code. S6 R20/22 – Harmful by inhalation and if swallowed R37/38 – Irritating to respiratory system and skin R42/43 – May cause SENSITISATION by inhalation and skin contact R51 – Toxic to aquatic organisms R41 – Risk of serious damage to eyes
Classification of the substance or mixture HAZARDOUS SUBSTANCE. NON-DANGEROU Poisons Schedule Hazard Statement(s)	US GOODS. According to the Criteria of NOHSC, and the ADG Code. S6 R20/22 – Harmful by inhalation and if swallowed R37/38 – Irritating to respiratory system and skin R42/43 – May cause SENSITISATION by inhalation and skin contact R51 – Toxic to aquatic organisms R41 – Risk of serious damage to eyes S07 – Keep container tightly closed
Classification of the substance or mixture HAZARDOUS SUBSTANCE. NON-DANGEROU Poisons Schedule Hazard Statement(s)	US GOODS. According to the Criteria of NOHSC, and the ADG Code. S6 R20/22 – Harmful by inhalation and if swallowed R37/38 – Irritating to respiratory system and skin R42/43 – May cause SENSITISATION by inhalation and skin contact R51 – Toxic to aquatic organisms R41 – Risk of serious damage to eyes S07 – Keep container tightly closed S09 – Keep container in a well-ventilated place
Classification of the substance or mixture	US GOODS. According to the Criteria of NOHSC, and the ADG Code. S6 R20/22 – Harmful by inhalation and if swallowed R37/38 – Irritating to respiratory system and skin R42/43 – May cause SENSITISATION by inhalation and skin contact R51 – Toxic to aquatic organisms R41 – Risk of serious damage to eyes S07 – Keep container tightly closed S09 – Keep container in a well-ventilated place S13 – Keep away from food, drink and animal feeding stuffs
Classification of the substance or mixture HAZARDOUS SUBSTANCE. NON-DANGEROU Poisons Schedule Hazard Statement(s)	US GOODS. According to the Criteria of NOHSC, and the ADG Code. S6 R20/22 – Harmful by inhalation and if swallowed R37/38 – Irritating to respiratory system and skin R42/43 – May cause SENSITISATION by inhalation and skin contact R51 – Toxic to aquatic organisms R41 – Risk of serious damage to eyes S07 – Keep container tightly closed S09 – Keep container in a well-ventilated place S13 – Keep away from food, drink and animal feeding stuffs S23 – Do not breathe gas / fume / vapour / spray S25 – Avoid contact with eyes
Classification of the substance or mixture HAZARDOUS SUBSTANCE. NON-DANGEROU Poisons Schedule Hazard Statement(s)	US GOODS. According to the Criteria of NOHSC, and the ADG Code. S6 R20/22 – Harmful by inhalation and if swallowed R37/38 – Irritating to respiratory system and skin R42/43 – May cause SENSITISATION by inhalation and skin contact R51 – Toxic to aquatic organisms R41 – Risk of serious damage to eyes S07 – Keep container tightly closed S09 – Keep container in a well-ventilated place S13 – Keep away from food, drink and animal feeding stuffs S23 – Do not breathe gas / fume / vapour / spray
Classification of the substance or mixture HAZARDOUS SUBSTANCE. NON-DANGEROU Poisons Schedule Hazard Statement(s)	US GOODS. According to the Criteria of NOHSC, and the ADG Code. S6 R20/22 – Harmful by inhalation and if swallowed R37/38 – Irritating to respiratory system and skin R42/43 – May cause SENSITISATION by inhalation and skin contact R51 – Toxic to aquatic organisms R41 – Risk of serious damage to eyes S07 – Keep container tightly closed S09 – Keep container in a well-ventilated place S13 – Keep away from food, drink and animal feeding stuffs S23 – Do not breathe gas / fume / vapour / spray S25 – Avoid contact with eyes S26 – In case of contact with eyes, rinse with plenty of water and contact
Classification of the substance or mixture HAZARDOUS SUBSTANCE. NON-DANGEROU Poisons Schedule Hazard Statement(s)	US GOODS. According to the Criteria of NOHSC, and the ADG Code. S6 R20/22 – Harmful by inhalation and if swallowed R37/38 – Irritating to respiratory system and skin R42/43 – May cause SENSITISATION by inhalation and skin contact R51 – Toxic to aquatic organisms R41 – Risk of serious damage to eyes S07 – Keep container tightly closed S09 – Keep container in a well-ventilated place S13 – Keep away from food, drink and animal feeding stuffs S23 – Do not breathe gas / fume / vapour / spray S25 – Avoid contact with eyes S26 – In case of contact with eyes, rinse with plenty of water and contact Doctor or Poisons Information Centre
Classification of the substance or mixture HAZARDOUS SUBSTANCE. NON-DANGEROU Poisons Schedule Hazard Statement(s)	US GOODS. According to the Criteria of NOHSC, and the ADG Code. S6 R20/22 – Harmful by inhalation and if swallowed R37/38 – Irritating to respiratory system and skin R42/43 – May cause SENSITISATION by inhalation and skin contact R51 – Toxic to aquatic organisms R41 – Risk of serious damage to eyes S07 – Keep container tightly closed S09 – Keep container in a well-ventilated place S13 – Keep away from food, drink and animal feeding stuffs S23 – Do not breathe gas / fume / vapour / spray S25 – Avoid contact with eyes S26 – In case of contact with eyes, rinse with plenty of water and contact Doctor or Poisons Information Centre S29 – Do not empty into drains
Classification of the substance or mixture HAZARDOUS SUBSTANCE. NON-DANGEROU Poisons Schedule Hazard Statement(s)	US GOODS. According to the Criteria of NOHSC, and the ADG Code. S6 R20/22 – Harmful by inhalation and if swallowed R37/38 – Irritating to respiratory system and skin R42/43 – May cause SENSITISATION by inhalation and skin contact R51 – Toxic to aquatic organisms R41 – Risk of serious damage to eyes S07 – Keep container tightly closed S09 – Keep container in a well-ventilated place S13 – Keep away from food, drink and animal feeding stuffs S23 – Do not breathe gas / fume / vapour / spray S25 – Avoid contact with eyes S26 – In case of contact with eyes, rinse with plenty of water and contact Doctor or Poisons Information Centre S29 – Do not empty into drains S35 – This material and its container must be disposed of in a safe way
Classification of the substance or mixture HAZARDOUS SUBSTANCE. NON-DANGEROU Poisons Schedule Hazard Statement(s)	US GOODS. According to the Criteria of NOHSC, and the ADG Code. S6 R20/22 – Harmful by inhalation and if swallowed R37/38 – Irritating to respiratory system and skin R42/43 – May cause SENSITISATION by inhalation and skin contact R51 – Toxic to aquatic organisms R41 – Risk of serious damage to eyes S07 – Keep container tightly closed S09 – Keep container in a well-ventilated place S13 – Keep away from food, drink and animal feeding stuffs S23 – Do not breathe gas / fume / vapour / spray S25 – Avoid contact with eyes S26 – In case of contact with eyes, rinse with plenty of water and contact Doctor or Poisons Information Centre S29 – Do not empty into drains S35 – This material and its container must be disposed of in a safe way S36 – Wear suitable gloves
Classification of the substance or mixture HAZARDOUS SUBSTANCE. NON-DANGEROU Poisons Schedule Hazard Statement(s)	US GOODS. According to the Criteria of NOHSC, and the ADG Code. S6 R20/22 – Harmful by inhalation and if swallowed R37/38 – Irritating to respiratory system and skin R42/43 – May cause SENSITISATION by inhalation and skin contact R51 – Toxic to aquatic organisms R41 – Risk of serious damage to eyes S07 – Keep container tightly closed S09 – Keep container in a well-ventilated place S13 – Keep away from food, drink and animal feeding stuffs S23 – Do not breathe gas / fume / vapour / spray S25 – Avoid contact with eyes S26 – In case of contact with eyes, rinse with plenty of water and contact Doctor or Poisons Information Centre S29 – Do not empty into drains S35 – This material and its container must be disposed of in a safe way S36 – Wear suitable gloves S39 – Wear suitable gloves
Classification of the substance or mixture HAZARDOUS SUBSTANCE. NON-DANGEROU Poisons Schedule Hazard Statement(s)	US GOODS. According to the Criteria of NOHSC, and the ADG Code. S6 R20/22 – Harmful by inhalation and if swallowed R37/38 – Irritating to respiratory system and skin R42/43 – May cause SENSITISATION by inhalation and skin contact R51 – Toxic to aquatic organisms R41 – Risk of serious damage to eyes S07 – Keep container tightly closed S09 – Keep container in a well-ventilated place S13 – Keep away from food, drink and animal feeding stuffs S23 – Do not breathe gas / fume / vapour / spray S25 – Avoid contact with eyes S26 – In case of contact with eyes, rinse with plenty of water and contact Doctor or Poisons Information Centre S29 – Do not empty into drains S35 – This material and its container must be disposed of in a safe way S36 – Wear suitable gloves
Classification of the substance or mixture HAZARDOUS SUBSTANCE. NON-DANGEROU Poisons Schedule Hazard Statement(s)	US GOODS. According to the Criteria of NOHSC, and the ADG Code. S6 R20/22 – Harmful by inhalation and if swallowed R37/38 – Irritating to respiratory system and skin R42/43 – May cause SENSITISATION by inhalation and skin contact R51 – Toxic to aquatic organisms R41 – Risk of serious damage to eyes S07 – Keep container tightly closed S09 – Keep container in a well-ventilated place S13 – Keep away from food, drink and animal feeding stuffs S23 – Do not breathe gas / fume / vapour / spray S25 – Avoid contact with eyes S26 – In case of contact with eyes, rinse with plenty of water and contact Doctor or Poisons Information Centre S29 – Do not empty into drains S35 – This material and its container must be disposed of in a safe way S36 – Wear suitable protective clothing S37 – Wear suitable gloves S39 – Wear eye / face protection S40 – To clean the floor and all objects contaminated by this material,
Classification of the substance or mixture HAZARDOUS SUBSTANCE. NON-DANGEROU Poisons Schedule Hazard Statement(s)	US GOODS. According to the Criteria of NOHSC, and the ADG Code. S6
Classification of the substance or mixture HAZARDOUS SUBSTANCE. NON-DANGEROU Poisons Schedule Hazard Statement(s)	US GOODS. According to the Criteria of NOHSC, and the ADG Code. S6

	Pa	age 2 of 8 Aqua-Pics Carbo-Ma		
		S51 – Use only in well-ventilated areas		
		S56 – Dispose of this material and its container at hazardous or specia		
		waste collection point		
			container to avoid environmental contamination	
			ent by inhalation, remove casualty to fresh air and	
		keep at rest		
		conscious)	se mouth with water (only if the person is	
Other hazards		Conscious)		
Other nazaras		Cumulative effects may	y result following exposure	
			use drowsiness and dizziness	
			ace drowerrees and dizzmoss	
Section 3 Composition / Information on I	ngı	redients		
Substances		See section below for o	composition of Mixtures	
Mixtures				
CAS No		% (volume)	Name	
111-30-8		1.6	glutaraldehyde	
7732-18-5		98.4	water	
Section 4 FIRST AID MEASURES				
Description of first aid measures				
-		If this product comes in	n contact with the eyes:	
		 Immediately hold 	eyelids apart and flush the eye continuously with	
		running water		
			irrigation of the eye by keeping eyelids apart and	
For contest			nd moving the eyelids by occasionally lifting the	
Eye contact		upper and lower		
			guntil advised to stop by the Poisons Information or, or for at least 15 minutes	
			oital or doctor without delay	
		-	act lenses after an eye injury should only be	
		undertaken by skilled personnel		
		If skin contact occurs:		
Skin contact		Immediately rem	ove all contaminated clothing, including footwear	
Skin contact		Flush skin and ha	air with running water (and soap if available)	
		 Seek medical attention 	ention in event of irritation	
		If fumes or combustion	products are inhaled remove from contaminate	
		area:		
			. Keep warm and rested	
Inhalation		Prostheses such as false teeth, which may block airway, should be removed, where possible prior to initiating first aid procedures.		
innaiation		removed, where possible, prior to initiating first aid procedures • Apply artificial respiration if not breathing, preferably with a		
			suscitator, bag-valve mask device, or pocket mask	
			rm CPR if necessary	
			oital, or doctor, without delay	
		IF SWALLOWED, REF	ER FOR MEDICAL ATTENTION, WHERE	
		POSSIBLE, WITHOUT	DELAY.	
		For advice, conta	nct a Poisons Information Centre or a doctor.	
			reatment is likely to be needed.	
			qualified first-aid personnel should treat the	
		-	observation and employing supportive measures	
Ingestion			ne patient's condition.	
			a medical officer or medical doctor are readily	
		Telephone in the contract of t	ient should be placed in his / her care and a copy uld be provided. Further action will be the	
			he medical specialist.	
			on is not available on the worksite or surroundings	
			to a hospital together with a copy of the MSDS.	
			attention is not immediately available or where	
			ore than 15 minutes from a hospital or unless	
		instructed other		

	Page 3 of 8 Aqua-Pics Carbo-Max
	INDUCE vomiting with fingers down the back of the throat, ONLY IF CONSCIOUS. Lean patient forward or place on left side (head down position, if possible) to maintain open airway and prevent aspiration. NOTE: Wear a protective glove when inducing vomiting by mechanical means.
SECTION 5 FIREFIGHTING MEASURES	
Extinguishing media	The product contains a substantial proportion of water, therefore there are no restrictions on the type of extinguishing media which may be used. Choice of extinguishing media should take into account surrounding areas. Though the media is non-combustible, evaporation of water from the mixture, caused by the heat of nearby fire, may produce floating layers of combustible substances. In such an event consider – foam
Special hazards arising from the substrate or	r mixture
Fire Incompatibility	None known
Advice for firefighters	
Fire Fighting	 Alert Fire Brigade and tell them location and nature of hazard. Wear breathing apparatus plus protective gloves in the event of a fire. Prevent, by any means available, spillage from entering drains or water courses. Use fire-fighting procedures suitable for surrounding area.
Fire / Explosion Hazard	 The material is not readily combustible under normal conditions. However, it will break down under fire conditions and the organic component may burn. Not considered to be a significant fire risk. Heat may cause expansion or decomposition with violent rupture of containers.
SECTION 6 ACCIDENTAL RELEASE MEA	ASURES
Personal precautions, protective equipment	and emergency procedures
Minor Spills	 Clean up all spills immediately. Avoid breathing vapours and contact with skin and eyes. Control personal contact with the substance, by using protective equipment. Contain and absorb spill with sand, earth, inert material or vermiculite.
Major Spills	Moderate hazard Clear area of personnel and move upwind. Alert Fire Brigade and tell them location and nature of hazard. Wear breathing apparatus plus protective gloves.
SECTION 7 HANDLING AND STORAGE	
Precautions for safe handling	
Safe handling	DO NOT ALLOW CLOTHING WET WITH MATERIAL TO STAY IN CONTACT WITH SKIN Avoid all personal contact, including inhalation. Wear protective clothing when risk of exposure occurs. Use in a well-ventilated area. Prevent concentration in hollows and sumps.

Other information

- Store in original containers.
- Keep containers securely sealed.
- Store in a cool, dry, well-ventilated area.
- Store away from incompatible materials and foodstuff containers.

Conditions for safe storage, including any incompatibilities

Suitable container

- Polyethylene or polypropylene container.
- Packing as recommended by manufacturer.
- Check all containers are clearly labelled and free from leaks.

Glutaraldehyde:

- Is a strong reducing agent, reacts with water forming an aqueous polymer solution, reacts violently with strong oxidisers, strong acids, bromine, ketones
- Is incompatible with caustics, ammonia, amines, acetophenone, acetyl benzene, xylidenes
- The activated form (an alkaline solutions) reacts readily with alcohol, ketones, amines, hydrazines and proteins
- None known



Storage incompatibility











- X Must not be stored together
- May be stored together with specific preventions
- May be stored together

PACKAGE MATERIAL INCOMPATIBILITIES

Not Available

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	Glutaraldehyde	Glutaraldehyde	Not available	Not available	0.41 mg/m3 / 0.1 ppm	Sen
Australia Exposure Standards	Methanol	Methyl alcohol	262 mg/m3 / 200 ppm	328 mg/m3 / 250 ppm	Not available	Sk

EMERGENCY LIMITS

Ingredient	Material Name		TEEL-1	TEEL-2	TEEL-3
Glutaraldehyde	Glutaraldehyde		Not Available	Not Available	Not Available
Methanol	Methyl alcohol; (Methanol)		Not Available	Not Available	Not Available
Ingredient	_	Original IDLH		Revised IDLH	

Ingredient	Original IDLH	Revised IDLH
Glutaraldehyde	Not Available	Not Available
Methanol	25,000 ppm	6,000 ppm
Water	Not Available	Not Available

Exposure Controls

Appropriate engineering controls	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.
Personal protection	
Eye and face protection	Safety glasses with side shields Chemical goggles Contact lenses may pose a special hazard; soft contact lenses may absorb and concentrate irritants. A written policy document, describing the wearing of lenses or restrictions on use, should be created for each workplace or task.
Skin protection	See Hand protection below
Hands / feet protection	Wear chemical protective gloves, eg. PVC Wear safety footwear or safety gumboots, eg. Rubber NOTE: The material may produce skin sensitisation in predisposed individuals. Care must be taken, when removing gloves and other protective equipment, to avoid all possible skin contact. Contaminated leather items, such as shoes, belts and watch bands should be removed and destroyed.
Body protection	See other protection below
Other protection	Overalls PVC apron Barrier cream
Thermal hazards	Not available

Recommended ma	ecommended material(s)		Respiratory protection		
GLOVE SELECTION INDEX		Type AX Filter of sufficient capacity. (AS/NZS 1716 & 1715, EN 143:2000		EN 143:2000	
Material	СРІ	SECTION 9 PI	HYSICAL AND	CHEMICAL PR	OPERTIES
BUTYL A NEOPRENE A		& 149:2001, ANSI 2	·	,	g 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			
VITON	Α	protection varies with Type of filter.			
	A: Best Selection B: Satisfactory; may degrade after 4 hours continuous immersion		Half-Face Respirator Air line	Full-Face Respirator AX-2	Powered Air Respirator AX-PAPR-2
NOTE: As a series of fa	Choice for other than short term immersion actors will influence the actual performance of the	Up to 10 x ES Up to 20 x ES 20+ x ES	-	AX-3 Air Line	-
glove, a final selection must be based on detailed observation. * 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.		^ - Full-face A(All classes) = Ori hydrogen cyanide(i dioxide(SO2), G = 1	ganic vapours, B A HCN), B3 = Acid g Agricultural chemi = Oxides of nitrog	NUS or B1 = Acid gass as or hydrogen cyanic cals, K = Ammonia(NH en, MB = Methyl brom egC)	ses, B2 = Acid gas or de(HCN), E = Sulfur H3),

Information on basic physical and chemical properties

Appearance	Transparent colourless liquid with sharp fruity, medicinal odour; mixes with water.		
Physical state	Liquid	Relative density (Water = 1)	1.129
Odour	Not Available	Partition coefficient n- octanol / water	Not Available
Odour threshold	Not Available	Auto-ignition temperature (°C)	Not Applicable
pH (as supplied)	Not Available	Decomposition temperature	Not Available
Melting point / freezing point (°C)	-21	Viscosity (cSt)	Not Applicable
Initial boiling point and boiling range (°C)	100.5	Molecular weight (g/mol)	Not Applicable
Incompatible materials	See section 7		
Hazardous decomposition products	See section 5		
Flash point (°C)	Not available	Taste	Not available
Evaporation rate	1 (BuAC = 1)	Explosive properties	Not available
Flammability	Not available	Oxidising properties	Not available
Upper Explosive Limit (%)	Not Applicable	Surface Tension (dyn/cm or mN/m)	Not available
Lower Explosive Limit (%)	Not applicable	Volatile Component (%vol)	Not available
Vapour pressure (kPa)	0.03	Gas group	Not available
Solubility in water (g/L)	Miscible	pH as a solution	Not available
Vapour density (Air=1)	>1	VOC g/L	Not available

SECTION 10 STABILITY AND REACTIVITY

Reactivity	See section 7
Chemical stability	 Unstable in the presence of incompatible materials. Product is considered stable. Hazardous polymerisation will not occur.
Possibility of hazardous reactions	See section 7
Conditions to avoid	See section 7

SECTION 11 TOXICOLOGICAL INFORMATION

Inhaled	Inhalation of vapours or aerosols (mists, fumes), generated by the material during the course of normal handling, may be harmful. The material can cause respiratory irritation in some persona. The body's response to such irritation can cause further lung damage. Inhalation of vapours may cause drowsiness and dizziness.					
Ingestion		Accidental ingestion of the material may be harmful; animal experiments indicate that ingestion of less than 150 gram may be fatal or may produce serious damage to the health of the individual.				
Skin Contact	This material can cause inflammation of the skin on contact in The material may accentuate any pre-existing dermatitis conc Open cuts, abraded or irritated skin should not be exposed to Entry into the blood-stream, through, for example, cuts, abras Examine the skin prior to the use of the material and ensure t	ilition. this material. ions or lesions, may product systemic injury with harmful effects.				
Eye	If applied to the eyes, this material causes severe eye damag	е.				
Chronic	Long-term exposure to respiratory irritants may result in disease of the airways involving difficult breathing and related systemic problems. Inhaling this product is more likely to cause a sensitisation reaction in some persons compared to the general population. Skin contact with the material is more likely to cause a sensitisation reaction in some persons compared to the general population. Substance accumulation, in the human body, may occur and may cause some concern following repeated or long-term occupational exposure.					
Glutaraldehyde	TOXICITY Dermal (rat) LD50: 1771.2 mg/kg Eye (rabbit) 0.25mg/24h-SEVERE Eye (rabbit 1mg-SEV/ERE Inhalation (rat) LC50: 0.48 mg/L/4hd Skin (human) 6mg/3d-int/SEV/ERE Oral (rat) LD50: 770.4 mg/kg Skin (rabbit) 13mg open-mild Skin (rabbit) 2mg/24h-SEV/ERE					
Methanol	TOXICITY Dermal (rabbit) LD50: 15800 mg/kg Inhalation (rat) LC50: 64000ppm/4h Oral (rat) LD50: >11872769 mg/kg IRRITATION Eye (rabbit) 100 mg/24h-moderate Eye (rabbit) 40 mg-moderate Skin (rabbit): 20 mg/24h-moderate					
	The material may cause 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.					
Water	TOXICITY Oral (rat) LD50: >90000 mg/kg	IRRITATION Not available				
	No significant acute toxicological data identified in literature so	earch.				

SECTION 12 ECOLOGICAL INFORMATION

Toxicity

Toxic to aquatic organisms.

DO NOT discharge into sewer or waterways.

Persistence and degradability

Ingredient	Persistence: Water/Soil	Persistence: Air
Glutaraldehyde	LOW	LOW
Methanol	LOW	LOW
Water	LOW	LOW

Bioaccumulative potential

Ingredient	Bioaccumulation
Glutaraldehyde	LOW (LogKOW = -0.1821)
Methanol	LOW (BCF = 10)
Water	LOW (LogKOW = -1.38)

Mobility in soil

Ingredient	Mobility
Glutaraldehyde	HIGH (KOC = 1.094)
Methanol	HIGH (KOC = 1)
Water	LOW (KOC = 14.3)

SECTION 13 DISPOSAL CONSIDERATIONS

Waste treatment methods

- Containers may still present a chemical hazard / danger when empty.
- Return to supplier for reuse / recycling if possible. Otherwise:

Product / Packaging disposal

- If container can not be cleaned sufficiently well to ensure that residuals do not remain or if the container cannot be used to store the same product, then puncture containers, to prevent re-use, and bury at an authorised landfill.
- Where possible retain label warnings and MSDS and observe all notices pertaining to the product.

SECTION 14 TRANSPORT INFORMATION

Labels Required

Marine Pollutant	NO
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