EnviroKlene Auto Klene Solutions

Chemwatch: **5165-67**Version No: **4.1.1.1**

Safety Data Sheet according to WHS and ADG requirements

Chemwatch Hazard Alert Code: 1/ Issue Date: 01/11/2024 Print Date: 01/02/2025

S.GHS.AUS.EN

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

Product Identifier		
Product name	EnviroKlene	
Chemical Name	Not Applicable	
Synonyms	Not Available	
Chemical formula	Not Applicable	
Other means of identification	Not Available	
Relevant identified uses of the s	ubstance or mixture and uses advised against	
Relevant identified uses	General purpose cleaner.	
Details of the supplier of the safe	ety data sheet	
Registered company name	Auto Klene Solutions	
Address	1/83 Merrindale Drive Croydon VIC 3136 Australia	
Telephone	+61 3 8761 1900	
Fax	+61 3 8761 1955	
Website	http://www.autoklene.com/msds/	
Email	Not Available	
Emergency telephone number		
Association / Organisation	Auto Klene Solutions	
Emergency telephone numbers	131 126 (Poisons Information Centre)	
Other emergency telephone numbers	0800 764 766 (New Zealand Poisons Information Centre)	
SECTION 2 Hazards identific	cation	

Classification of the substance or mixture

HAZARDOUS CHEMICAL. NON-DANGEROUS GOODS. According to the WHS Regulations and the ADG Code.

ChemWatch Hazard Ratings

	MinMax	_ i
Flammability	0	
Toxicity	1	0 = Minimum
Body Contact	1	1 = Low
Reactivity	1	2 = Moderate
Chronic	0	3 = High 4 = Extreme

Poisons Schedule Not Applicable		
Classification ^[1]	fication [1] Skin Corrosion/Irritation Category 1A, Serious Eye Damage Category 1	
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)



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Signal word	Dange
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Hazard	stateme	ent(s)
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11314	Causes severe skill bullis and eye damage.

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Precautionary statement(s) Pre-	Page 1 continued	
P260	Do not breathe mist/vapours/spray.	
P280	Wear protective gloves/protective clothing/eye protection/face protection.	
Precautionary statement(s) Res	ponse	
P301+P330+P331	IF SWALLOWED: Rinse mouth. Do NOT induce vomiting.	
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.	
P310	Immediately call a POISON CENTER or doctor/physician.	
P321	Specific treatment (see advice on this label).	
P363	Wash contaminated clothing before reuse.	
P304+P340	P304+P340 IF INHALED: Remove victim to fresh air and keep at rest in a position comfortable for breathing.	
Precautionary statement(s) Stor	rage	
P405	Store locked up.	
Precautionary statement(s) Disp	posal	
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
111-76-2	<5	ethylene glycol monobutyl ether
Not Available	<5	nonionic + anionic surfactants
Not Available	<5	phosphates
6834-92-0	<5	sodium metasilicate, anhydrous
Not Available	balance	Ingredients determined not to be hazardous

SECTION 4 First aid measures

Description	of first	aid mea	SIIPES

Description of first aid measures			
Eye Contact	If this product comes in contact with the eyes: ▶ Wash out immediately with fresh running water. ▶ Ensure complete irrigation of the eye by keeping eyelids apart and away from eye and moving the eyelids by occasionally lifting the upper and lower lids. ▶ Seek medical attention without delay; if pain persists or recurs seek medical attention. ▶ Removal of contact lenses after an eye injury should only be undertaken by skilled personnel.		
Skin Contact	If skin contact occurs: ▶ Immediately remove all contaminated clothing, including footwear. ▶ Flush skin and hair with running water (and soap if available). ▶ Seek medical attention in event of irritation.		
Inhalation	▶ If fumes, aerosols or combustion products are inhaled remove from contaminated area. ▶ Other measures are usually unnecessary.		
Ingestion	 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. ► Seek medical advice. 		

For acute or short term repeated exposures to ethylene glycol:

- ▶ Early treatment of ingestion is important. Ensure emesis is satisfactory.
- ▶ Test and correct for metabolic acidosis and hypocalcaemia.
- Apply sustained diuresis when possible with hypertonic mannitol.
- ▶ Evaluate renal status and begin haemodialysis if indicated. [I.L.O]
- ▶ Rapid absorption is an indication that emesis or lavage is effective only in the first few hours. Cathartics and charcoal are generally not effective.
- Correct acidosis, fluid/electrolyte balance and respiratory depression in the usual manner. Systemic acidosis (below 7.2) can be treated with intravenous sodium bicarbonate solution
- Ethanol therapy prolongs the half-life of ethylene glycol and reduces the formation of toxic metabolites.
- Pyridoxine and thiamine are cofactors for ethylene glycol metabolism and should be given (50 to 100 mg respectively) intramuscularly, four times per day for 2 days. Magnesium is also a cofactor and should be replenished. The status of 4-methylpyrazole, in the treatment regime, is still uncertain. For clearance of the material and its metabolites, haemodialysis is much superior to peritoneal dialysis

[Ellenhorn and Barceloux: Medical Toxicology]

It has been suggested that there is a need for establishing a new biological exposure limit before a workshift that is clearly below 100 mmol ethoxy-acetic acids per mole creatinine in morning urine of people occupationally exposed to ethylene glycol ethers. This arises from the finding that an increase in urinary stones may be associated with such exposures. Laitinen J., et al: Occupational & Environmental Medicine 1996; 53, 595-600

SECTION 5 Firefighting measures

Extinguishing media

- There is no restriction on the type of extinguisher which may be used.
- Use extinguishing media suitable for surrounding area.

Special hazards arising from the substrate or mixture

Fire Incompatibility	Avoid contamination with oxidising agents i.e. nitrates, oxidising acids, chlorine bleaches, pool chlorine etc. as ignition may result
ce 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. ▶ DO NOT approach containers suspected to be hot. ▶ Cool fire exposed containers with water spray from a protected location. ▶ If safe to do so, remove containers from path of fire.
Fire/Explosion Hazard	 Non combustible. Not considered to be a significant fire risk. Expansion or decomposition on heating may lead to violent rupture of containers. Decomposes on heating and may produce toxic fumes of carbon monoxide (CO). May emit acrid smoke. Decomposition may produce toxic fumes of: carbon dioxide (CO2) phosphorus oxides (POx) sulfur oxides (SOx) other pyrolysis products typical of burning organic material. May emit poisonous fumes.
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 un

methods and material for containment and cleaning up		
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. ▶ Wipe up. ▶ Place in a suitable, labelled container for waste disposal. 	
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. ► Prevent, by any means available, spillage from entering drains or water course. ► Stop leak if safe to do so. ► Contain spill with sand, earth or vermiculite.	

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

SECTION 7 Handling and storage

▶ 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. Safe handling Avoid contact with moisture. Avoid contact with incompatible materials. ▶ When handling, **DO NOT** eat, drink or smoke. ▶ Keep containers securely sealed when not in use. ▶ Store in original containers. Keep containers securely sealed. ▶ Store in a cool, dry, well-ventilated area. Other information ▶ Store away from incompatible materials and foodstuff containers. ▶ Protect containers against physical damage and check regularly for leaks. ▶ Observe manufacturer's storage and handling recommendations contained within this SDS. Conditions for safe storage, including any incompatibilities ▶ Polyethylene or polypropylene container. ▶ Packing as recommended by manufacturer. Suitable container ▶ Check all containers are clearly labelled and free from leaks

Storage incompatibility

Avoid reaction with oxidising agents Avoid contamination of water, foodstuffs, feed or seed.

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	ethylene glycol monobutyl ether	2-Butoxyethanol	20 ppm / 96.9 mg/m3	242 mg/m3 / 50 ppm	Not Available	Not Available

Emergency Limits

Ingredient

• • • • • • • • • • • • • • • • • • • •				
ethylene glycol monobutyl ether	ne glycol monobutyl ether Butoxyethanol, 2-; (Glycol ether EB)		120 ppm	700 ppm
sodium metasilicate, anhydrous	nydrous Sodium silicate; (Sodium metasilicate) 3.8 mg/m3 42 mg/m3 250 mg		250 mg/m3	
Ingredient	Original IDLH	Revised IDLH		
ethylene glycol monobutyl ether	700 ppm	Not Available		
sodium metasilicate, anhydrous	Not Available	Not Available		

Occupational Exposure Banding

Ingredient	Occupational Exposure Band Rating	Occupational Exposure Band Limit
sodium metasilicate, anhydrous	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

None required when handling small quantities.

OTHERWISE:

Material name

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:

TEEL-1

TEEL-2

TEEL-3

Appropriate engineering controls

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. Ventilation can remove or dilute an air contaminant if designed properly. The design of a ventilation system must match the particular process and chemical or contaminant in use

Employers may need to use multiple types of controls to prevent employee overexposure.

Personal protection











No special equipment for minor exposure i.e. when handling small quantities. OTHERWISE: ▶ Safety glasses with side shields Eye and face ▶ Contact lenses may pose a special hazard; soft contact lenses may absorb and concentrate irritants. A written policy document, describing protection the wearing of lenses 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. In the event of chemical exposure, begin eye irrigation immediately and remove contact lens as soon as practicable. Skin protection See Hand protection below No special equipment needed when handling small quantities. **OTHERWISE**: Wear chemical protective gloves, e.g. PVC. Hands/feet protection **Body protection** See Other protection below No special equipment needed when handling small quantities. OTHERWISE: Overalls. Other protection ▶ Barrier cream ▶ Eyewash unit.

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 computergenerated selection:

EnviroKlene

Material	СРІ
BUTYL	А
PE/EVAL/PE	A
SARANEX-23	Α

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.

up to 10 x ES	A-AUS P2	-	A-PAPR-AUS / Class 1 P2	
NEOPRENE				В
NITRILE B			В	
PVC			В	
NAT+NEOPR+NITRILE			С	
NATURAL RUBBER			С	
PVA			С	

^{*} 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 final selection must be based on detailed observation.

* Where the glove is to be used on a short term, casual or infrequent basis, factors suchas "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.

SECTION 9 Physical and chemical properties

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)

Information on basic physical and chemical properties

Appearance	Yellow liquid with citrus odour; mixes with water.		
Physical state	Liquid	Relative density (Water = 1)	1.050
Odour	Not Available	Partition coefficient n- octanol / water	Not Available
Odour threshold	Not Available	Auto-ignition temperature (°C)	Not Applicable
pH (as supplied)	~11.8	Decomposition temperature	Not Available
Melting point / freezing point (°C)	~0	Viscosity (cSt)	Not Available

Initial boiling point and boiling range (°C)	~100	Molecular weight (g/mol)	Not Applicable
Flash point (°C)	Not Applicable	Taste	Not Available
Evaporation rate	as for water	Explosive properties	Not Available
Flammability	Not Applicable	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)	Not Available	Gas group	Not Available
Solubility in water	Miscible	pH as a solution (1%)	Not Available
Vapour density (Air = 1)	Not Available	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
Incompatible materials	See section 7
Hazardous decomposition products	See section 5

SECTION 11 Toxicological information

Information	on	toxicolo	gical	effects

Inhaled	The material is not thought to produce either adverse health effects or irritation of the respiratory tract following inhalation (as classified by EC Directives using animal models). Nevertheless, adverse systemic effects have been produced following exposure of animals by at least one other route and good hygiene practice requires that exposure be kept to a minimum and that suitable control measures be used in an occupational setting.
Ingestion	Accidental ingestion of the material may be damaging to the health of the individual.
Skin Contac	There is some evidence to suggest that this material can cause inflammation of the skin on contact in some persons. Open cuts, abraded or irritated skin should not be exposed to this material Entry into the blood-stream, through, for example, cuts, abrasions or lesions, may produce systemic injury with harmful effects. Examine the skin prior to the use of the material and ensure that any external damage is suitably protected.
Еуе	Although the liquid is not thought to be an irritant (as classified by EC Directives), direct contact with the eye may produce transient discomfort characterised by tearing or conjunctival redness (as with windburn).
Chronic	Substance accumulation, in the human body, may occur and may cause some concern following repeated or long-term occupational exposure. As with any chemical product, contact with unprotected bare skin; inhalation of vapour, mist or dust in work place atmosphere; or ingestion in any form, should be avoided by observing good occupational work practice.

EnviroKlene	TOXICITY	IRRITATION
	Not Available	Not Available
	TOXICITY	IRRITATION
	Dermal (rabbit) LD50: 667 mg/kg ^[1]	Eye (rabbit): 100 mg SEVERE
ethylene glycol	Inhalation(Rat) LC50; =2.21 mg/l4hrs ^[2]	Eye (rabbit): 100 mg/24h-moderate
monobutyl ether	Oral(Guinea) LD50; 1414 mg/kg ^[1]	Eye: adverse effect observed (irritating) ^[1]
		Skin (rabbit): 500 mg, open; mild
		Skin: adverse effect observed (irritating) ^[1]

	EnviroKlene		5 / 4////
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		Skin: no adverse effect observed (not irritating) ^[1]	
	TOXICITY	IRRITATION	
sodium metasilicate, anhydrous	dermal (rat) LD50: >5000 mg/kg ^[1]	Skin (human): 250 mg/24h SEVERE	
	Oral(Rat) LD50; =600 mg/kg ^[2]	Skin (rabbit): 250 mg/24h SEVERE	
Legend:	Value obtained from Europe ECHA Registered Substances - Act Toxic Effect of chemical Substances	ute toxicity 2.* Value obtained from manufacturer's SDS. Unle	ess otherwise specified data extra
ETHYLENE GLYCOL MONOBUTYL ETHER	NOTE: Changes in kidney, liver, spleen and lungs are observed in ASCC (NZ) SDS The material may produce severe irritation to the eye causing pron The material may cause skin irritation after prolonged or repeated For ethylene glycol monoalkyl ethers and their acetates (EGMAEs; Typical members of this category are ethylene glycol propylene ether EGMAEs are substrates for alcohol dehydrogenase isozyme ADH-conversion of the aldehydes by aldehyde dehydrogenase produce: Acute Toxicity: Oral LD50 values in rats for all category members acute inhalation toxicity studies were conducted for these chemica LC50 > 400ppm (2620 mg/m3) for EGBEA to LC50 > 2132 ppm (9 rabbits range from 435 mg/kg bw (EGBE) to 1500 mg/kg bw (EGB Animal testing showed that exposure to ethylene glycol monobutyl monoalkyl ethers of ethylene glycol. Chronic exposure may cause anaemia, with enlargement and fragi animals, 2-butoxyethanol also increased the rate of some cancers, For ethylene glycol: Ethylene glycol: Ethylene glycol is quickly and extensively absorbed throughout the apparently slow. Following absorption, it is distributed throughout the glycolic acid and glyoxal. These breakdown products are oxidized acid can generate carbon dioxide, which is one of the major elimin parent compound and glycolic acid.	ounced inflammation. Repeated or prolonged exposure to irriexposure and may produce on contact skin redness, swelling iter (EGPE), ethylene glycol butyl ether (EGBE) and ethylene 3, which catalyzes the conversion of their terminal alcohols to a alkoxyacetic acids, which are the predominant urinary metal range from 739 (EGHE) to 3089 mg/kg bw (EGPE), with valuation in rats at the highest vapour concentrations practically achies in rats at the highest vapour concentrations practically achies. Overall these category members can be considered to be ether resulted in toxicity to both the mother and the embryo. It lity of red blood cells. It is thought that in animals butoxyethar including liver cancer. gastrointestinal tract. Limited information suggests that it is a nebody. In humans, it is initially metabolized by alcohol dehydroglyoxylate, which may be further metabolized to formic acide.	tants may produce conjunctivitis., the production of vesicles, scalin glycol hexyl ether (EGHE) and the paldehydes (which are transient in bolites of mono substituted glycol use increasing with decreasing moverable. Values range from LCO > nese materials under these condition of the productive effects were thought and may cause generalized clotting also absorbed through the airways drogenase to form glycoaldehyde, d, oxalic acid, and glycine. Breakd
SODIUM METASILICATE, ANHYDROUS	The material may cause severe skin irritation after prolonged or rej skin. Repeated exposures may produce severe ulceration. Asthma-like symptoms may continue for months or even years afte (RADS) which can occur after exposure to high levels of highly irrit individual, with sudden onset of persistent asthma-like symptoms vairflow pattern on lung function tests, moderate to severe bronchia RADS (or asthma) following an irritating inhalation is an infrequent industrial bronchitis is a disorder that occurs as a result of exposur disorder is characterized by difficulty breathing, cough and mucus	or exposure to the material ends. This may be due to a non-al ating compound. Main criteria for diagnosing RADS include the within minutes to hours of a documented exposure to the irrital I hyperreactivity on methacholine challenge testing, and the ladisorder with rates related to the concentration of and duratice due to high concentrations of irritating substance (often part	lergic condition known as reactive ne absence of previous airways di nt. Other criteria for diagnosis of f ack of minimal lymphocytic inflamr on of exposure to the irritating sub-
Acute Toxicity	×	Carcinogenicity	
Skin Irritation/Corrosion		Reproductivity	
Serious Eye Damage/Irritation		STOT - Single Exposure	
Respiratory or Skin sensitisation	_	STOT - Repeated Exposure	_

Legend: X – Data either not available or does not fill the criteria for classification – Data available to make classification

Aspiration Hazard

SECTION 12 Ecological information

Mutagenicity

Toxicity

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EnviroKlono	Endpoint	Test Duration (hr)	Species	Value	Source
EnviroKlene	Not Available	Not Available	Not Available	Not Available	Not Available

	Endpoint	Test Duration (hr)	Species	Value	Source
ethylene	LC50	96	Fish	1250-mg/L	4
glycol monobutyl	EC50	48	Crustacea	164mg/L	2
ether	EC50	72	Algae or other aquatic plants	623mg/L	2
	NOEL	336	Not Available	49.50000- mg/L	4

	Endpoint	Test Duration (hr)	Species	Value	Source
	LC50	96	Fish	210mg/L	2
sodium metasilicate,	EC50	48	Crustacea	-22.94- 49.01mg/L	4
anhydrous	EC50	72	Algae or other aquatic plants	207mg/L	2
	EC0	72	Algae or other aquatic plants	35mg/L	2
	NOEL	120	Algae or other aquatic plants	2.172668-mg/L	4

Legend:

Extracted from 1. IUCLID Toxicity Data 2. Europe ECHA Registered Substances - Ecotoxicological Information - Aquatic Toxicity 3. EPIWIN Suite V3.12 (QSAR) - Aquatic Toxicity Data (Estimated) 4. US EPA, Ecotox database - Aquatic Toxicity Data 5. ECETOC Aquatic Hazard Assessment Data 6. NITE (Japan) - Bioconcentration Data 7. METI (Japan) - Bioconcentration Data 8. Vendor Data

Persistence and degradability

Ingredient	Persistence: Water/Soil	Persistence: Air
ethylene glycol monobutyl ether	LOW (Half-life = 56 days)	LOW (Half-life = 1.37 days)

Bioaccumulative potential

Ingredient	Bioaccumulation
ethylene glycol monobutyl ether	LOW (BCF = 2.51)

Mobility in soil

Ingredient	Mobility
ethylene glycol monobutyl ether	HIGH (KOC = 1)

SECTION 13 Disposal considerations

Waste treatment methods

Product / Packaging disposal

- ▶ Recycle wherever possible.
- ▶ Consult manufacturer for recycling options or consult local or regional waste management authority for disposal if no suitable treatment or disposal facility can be identified.
- ▶ Dispose of by: burial in a land-fill specifically licensed to accept chemical and / or pharmaceutical wastes or incineration in a licensed apparatus (after admixture with suitable combustible material).
- ▶ Decontaminate empty containers. Observe all label safeguards until containers are cleaned and destroyed.

SECTION 14 Transport information

Labels Required

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

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

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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		
ethylene glycol monobutyl ether	Not Available		
sodium metasilicate, anhydrous	Not Available		
Transport in bulk in accordance	Transport in bulk in accordance with the ICG Code		
Product name	Ship Type		
ethylene glycol monobutyl ether	Not Available		
sodium metasilicate, anhydrous	Not Available		

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SECTION 15 Regulatory information

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

ethylene glycol monobutyl ether 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 6

Australian Inventory of Industrial Chemicals (AIIC)

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

sodium metasilicate, anhydrous is found on the following regulatory lists

Australia Hazardous Chemical Information System (HCIS) - Hazardous Chemicals

Australian Inventory of Industrial Chemicals (AIIC)

National Inventory Status

National Inventory	Status
Australia - AIIC / Australia Non-Industrial Use	Yes
Canada - DSL	Yes
Canada - NDSL	No (ethylene glycol monobutyl ether; sodium metasilicate, anhydrous)
China - IECSC	Yes
Europe - EINEC / ELINCS / NLP	Yes
Japan - ENCS	Yes
Korea - KECI	Yes
New Zealand - NZIoC	Yes
Philippines - PICCS	Yes
USA - TSCA	Yes
Taiwan - TCSI	Yes
Mexico - INSQ	Yes
Vietnam - NCI	Yes
Russia - ARIPS	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 and are not exempt from listing(see specific ingredients in brackets)

SECTION 16 Other information

Revision Date	01/11/2019
Initial Date	24/02/2015

SDS Version Summary

Version	Issue Date	Sections Updated
4.1.1.1	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.

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end of SDS