Auto Klene Solutions

Chemwatch: 9126567 Version No: 4.1.1.1 Safety Data Sheet according to WHS and ADG requirements

SECTION 1 IDENTIFICATION OF THE SUBSTANCE / MIXTURE AND OF THE COMPANY / UNDERTAKING

Product Identifier

Product name	Auto Klene Interior
Synonyms	cleaner
Other means of identification	Not Available

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

Relevant identified uses General Purpose Cleaner.

Details of the supplier of the safety data sheet

Registered company name	Auto Klene Solutions	
Address	/83 Merrindale Drive Croydon VIC 3136 Australia	
Telephone	+61 3 8761 1900	
Fax	+61 3 8761 1955	
Website	https://www.autoklene.com/msds/	
Email	Not Available	

Emergency telephone number

Association / Organisation	Not Available	
Emergency telephone numbers	131 126 (Poisons Information Centre)	
Other emergency telephone numbers	(1800) 764 766 (New Zealand Poisons Information Centre)	

SECTION 2 HAZARDS IDENTIFICATION

Classification of the substance or mixture

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

CHEMWATCH HAZARD RATINGS

	Min	Max	
Flammability	0		
Toxicity	1		0 = Minimum
Body Contact	3		1 = Low 2 = Moderate
Reactivity	0		3 = High
Chronic	0		4 = Extreme

rosion/Irritation Category 1A, Serious Eye Damage Category 1
fied by Chemwatch; 2. Classification drawn from HSIS ; 3. Classification drawn from EC Directive 1272/2008 - Annex VI
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Label elements

GHS label elements	Le contraction de la contracti	
SIGNAL WORD	DANGER	
Hazard statement(s)		
H314	Causes severe skin burns and eye damage.	
Precautionary statement(s)) Prevention	
P260	Do not breathe dust/fume/gas/mist/vapours/spray.	
P280	Wear protective gloves/protective clothing/eye protection/face protection.	

Chemwatch Hazard Alert Code: 3

Issue Date: 06/01/2017

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S.GHS.AUS.EN

Precautionary statement(s) Response

IF SWALLOWED: Rinse mouth. Do NOT induce vomiting.	
ON SKIN (or hair): Remove/Take off immediately all contaminated clothing. Rinse skin with water/shower.	
F IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.	
Immediately call a POISON CENTER or doctor/physician.	
Wash contaminated clothing before reuse.	
IF INHALED: Remove victim to fresh air and keep at rest in a position comfortable for breathing.	

Precautionary statement(s) Storage

P405

Store locked up.

Precautionary statement(s) Disposal

P501 Dispose of contents/container in accordance with local regulations.

SECTION 3 COMPOSITION / INFORMATION ON INGREDIENTS

Substances

See section below for composition of Mixtures

Mixtures

CAS No	%[weight]	Name
7758-29-4	<10	sodium tripolyphosphate
10101-89-0	<5	trisodium phosphate dodecahydrate
111-76-2	<5	ethylene glycol monobutyl ether
		Ingredients determined not to be hazardous
7732-18-5	>60	water

SECTION 4 FIRST AID MEASURES

Description of first aid measures

Eye Contact	 If this product comes in contact with the eyes: Immediately hold eyelids apart and flush the eye continuously with 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. Continue flushing until advised to stop by the Poisons Information Centre or a doctor, or for at least 15 minutes. Transport to hospital or doctor without delay. 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.

Indication of any immediate medical attention and special treatment needed

Treat symptomatically.

- 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.

haemodialysis is much superior to peritoneal dialysis.

- Apply sustained diversis 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,

[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

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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 material 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:

In foam.

- dry chemical powder.
- carbon dioxide.

Special hazards arising from the substrate or 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. 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	 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. Decomposes on heating and may produce toxic furnes of carbon monoxide (CO). May emit acrid smoke. Decomposes on heating and produces toxic furnes of: , carbon dioxide (CO2) , nitrogen oxides (NOx) , other pyrolysis products typical of burning organic material. May emit poisonous furnes. May emit corrosive furnes.	
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. 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

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. DO NOT enter confined spaces until atmosphere has been checked. DO NOT allow material to contact humans, exposed food or food utensils. Avoid contact with incompatible materials.
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.

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Auto Klene Interior

	 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	ge, including any incompatibilities
Suitable container	 Polyethylene or polypropylene container. Packing as recommended by manufacturer. Check all containers are clearly labelled and free from leaks.
Storage incompatibility	None known

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	96.9 mg/m3 / 20 ppm	242 mg/m3 / 50 ppm	Not Available	Sk

EMERGENCY LIMITS

EMERGENCY LIMITS					
Ingredient	Material name		TEEL-1	TEEL-2	TEEL-3
sodium tripolyphosphate	Sodium tripolyphosphate		0.61 mg/m3	6.8 mg/m3	620 mg/m3
trisodium phosphate dodecahydrate	Trisodium phosphate; (Sodium phosphate, tribasic)		5 mg/m3	66 mg/m3	400 mg/m3
ethylene glycol monobutyl ether	Butoxyethanol, 2-; (Glycol ether EB)		60 ppm	120 ppm	700 ppm
Ingredient	Original IDLH Revis		sed IDLH		
sodium tripolyphosphate	Not Available Not A		lot Available		
trisodium phosphate dodecahydrate	Not Available	Not Available			
ethylene glycol monobutyl ether	700 ppm	700 [Unch] ppm			
water	Not Available Not Available		vailable		

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. 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	
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. 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
Hands/feet protection	 Wear chemical protective gloves, e.g. PVC. Wear safety footwear or safety gumboots, e.g. Rubber The selection of suitable gloves does not only depend on the material, but also on further marks of quality which vary from manufacturer to manufacturer. Where the chemical is a preparation of several substances, the resistance of the glove material can not be calculated in advance and has therefore to be checked prior to the application. The exact break through time for substances has to be obtained from the manufacturer of the protective gloves and has to be observed when making a final choice. Personal hygiene is a key element of effective hand care. Gloves must only be worn on clean hands. After using gloves, hands should be washed and dried thoroughly. Application of a non-perfumed moisturizer is recommended.
Body protection	See Other protection below
Other protection	 Overalls. P.V.C. apron. Barrier cream. Skin cleansing cream. Eye wash unit.

Recommended material(s)

GLOVE SELECTION INDEX

Glove selection is based on a modified presentation of the:

Respiratory protection

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

"Forsberg Clothing Performance Index".

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

Auto Klene Interior

Material	CPI
BUTYL	А
NEOPRENE	В
NAT+NEOPR+NITRILE	С
NATURAL RUBBER	С
NITRILE	С
PE/EVAL/PE	С
PVA	С
PVC	С
SARANEX-23	С
VITON	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 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.

SECTION 9 PHYSICAL AND CHEMICAL PROPERTIES

Information on basic physical and chemical properties

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 5 x ES	A-AUS / Class 1	-	A-PAPR-AUS / Class 1
up to 25 x ES	Air-line*	A-2	A-PAPR-2
up to 50 x ES	-	A-3	-
50+ x ES	-	Air-line**	-

^ - Full-face

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

Cartridge respirators should never be used for emergency ingress or in areas of unknown vapour concentrations or oxygen content. The wearer must be warned to leave the contaminated area immediately on detecting any odours through the respirator. The odour may indicate that the mask is not functioning properly, that the vapour concentration is too high, or that the mask is not properly fitted. Because of these limitations, only restricted use of cartridge respirators is considered appropriate.

Appearance	Clear red liquid; mixes with water.		
Physical state	Liquid	Relative density (Water = 1)	0.9
Odour	Not Available	Partition coefficient n-octanol / water	Not Available
Odour threshold	Not Available	Auto-ignition temperature (°C)	Not Applicable
pH (as supplied)	*11.5-12.5	Decomposition temperature	Not Available
Melting point / freezing point (°C)	Not Available	Viscosity (cSt)	Not Available
Initial boiling point and boiling range (°C)	Not Available	Molecular weight (g/mol)	Not Applicable
Flash point (°C)	Not Applicable	Taste	Not Available
Evaporation rate	Not Available	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 (g/L)	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

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. Not normally a hazard due to non-volatile nature of product			
Ingestion	Accidental ingestion of the material may be damaging to the h	ealth of the individual.		
Skin Contact	This material can cause inflammation of the skin on contact in some persons. The material may accentuate any pre-existing dermatitis condition 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.			
Eye	If applied to the eyes, this material causes severe eye damage			
Chronic	Substance accumulation, in the human body, may occur and m	ay cause some concern following repeated or long-term occupational exposure.		
		1		
Auto Klene Interior	TOXICITY	IRRITATION		
	Not Available	Not Available		
	тохісіту	IRRITATION		
sodium tripolyphosphate	Dermal (rabbit) LD50: >3160 mg/kg ^[2]	Not Available		
	Oral (rat) LD50: >2000 mg/kg ^[1]			
	ТОХІСІТҮ	IRRITATION		
trisodium phosphate dodecahydrate	Dermal (rabbit) LD50: 7940 mg/kg ^[2]	Eye (rabbit): (FSHA) Corrosive		
uouecanyurate	Oral (rat) LD50: 6500 mg/kg ^[2]	Skin (rabbit):(FSHA) 3.3 on a		
	тохісіту	IRRITATION		
ethylene glycol monobutyl	dermal (rat) LD50: >2000 mg/kg ^[1]	Eye (rabbit): 100 mg SEVERE		
ether	Inhalation (rat) LC50: 450 ppm/4hr ^[2]	Eye (rabbit): 100 mg/24h-moderate		
	Oral (rat) LD50: 250 mg/kg ^[2]	Skin (rabbit): 500 mg, open; mild		
	TOXICITY	IRRITATION		
water	Oral (rat) LD50: >90000 mg/kg ^[2]	Not Available		

ETHYLENE GLYCOL MONOBUTYL ETHER	The material may produce severe irritation to the eye causing pronounced inflammation. Repeated or prolonged exposure to irritants may produce conjunctivitis. 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. For ethylene glycol monoalkyl ethers and their acetates (EGMAEs): Typical members of this category are ethylene glycol propylene ether (EGPE), ethylene glycol butyl ether (EGBE) and ethylene glycol hexyl ether (EGHE) and their acetates. EGMAEs are substrates for alcohol dehydrogenase isozyme ADH-3, which catalyzes the conversion of their terminal alcohols to aldehydes (which are transient metabolites). Further, rapid conversion of the aldehyde dehydrogenase produces alkoxyacetic acids, which are the predominant urinary metabolites of mono substituted glycol ethers. Acute Toxicity : Oral LD50 values in rats for all category members range from 739 (EGHE) to 3089 mg/kg bw (EGPE), with values increasing with decreasing molecular weight. Four to sk hour acute inhalation toxidity studies were conducted for these chemicals in rats at the highest vapour concentrations practically achievable. Values range from LC0 > 85 ppm (508 mg/m3) for EGHE, LC50 > 400ppm (2620 mg/m3) for EGPEA to LC50 > 2132 ppm (9061 mg/m3) for EGPE. No lethality was observed for any of these materials under these conditions. Exposure of pregnant rats to ethylene glycol monobutyl ether (2-butoxyethanol) at 100 ppm or rabbits at 200 ppm during organogenesis resulted in maternal toxicity including a decreased number of viable implantations per litter. Slight foetoxicity in the form of poorly ossified or unossified skeletal elements was also apparent in rats. Teratogenic effects were not observed in other species. At least one researcher has stated that the reproductive effects were less than that of other monoalkyl ethers of ethylene glycol. Chronic exposure may cause anaemia, macrocytosis, abnormaly large
WATER	No significant acute toxicological data identified in literature search.
SODIUM TRIPOLYPHOSPHATE & TRISODIUM PHOSPHATE DODECAHYDRATE	Asthma-like symptoms may continue for months or even years after exposure to the material ceases. This may be due to a non-allergenic condition known as reactive airways dysfunction syndrome (RADS) which can occur following exposure to high levels of highly irritating compound. Key criteria for the diagnosis of RADS include the absence of preceding respiratory disease, in a non-atopic individual, with abrupt onset of persistent asthma-like symptoms within minutes to hours of a documented exposure to the irritant. A reversible airflow pattern, on spirometry, with the presence of moderate to severe bronchial hyperreactivity on methacholine challenge testing and the lack of minimal lymphocytic inflammation, without eosinophila, have also been included in the criteria for diagnosis of RADS. RADS (or asthma) following an irritating inhalation is an infrequent disorder with rates related to the concentration of and duration of exposure to the irritating substance.

	(often particulate in nature) and is completely reversible after exposure ceases. The disorder is characterised by dyspnea, cough and mucus production.					
Acute Toxicity	\otimes	Carcinogenicity	\otimes			
Skin Irritation/Corrosion	×	Reproductivity	0			
Serious Eye Damage/Irritation	✓	STOT - Single Exposure	0			
Respiratory or Skin sensitisation	0	STOT - Repeated Exposure	0			
Mutagenicity	\otimes	Aspiration Hazard	\otimes			
		Legend: 🗙	– Data available but does not fill the criteria for classification			
			- Data available to make classification			

 \bigcirc – Data available to make classification

SECTION 12 ECOLOGICAL INFORMATION

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Toxicity

Ingredient	Endpoint	Test Duration (hr)	Species	Value	Source
sodium tripolyphosphate	EC50	48	Crustacea	>70.7- <101.3mg/L	2
sodium tripolyphosphate	EC50	48	Crustacea	>70.7- <101.3mg/L	2
trisodium phosphate dodecahydrate	LC50	96	Fish	28.5mg/L	4
trisodium phosphate dodecahydrate	EC50	96	Algae or other aquatic plants	13761.179mg/L	3
trisodium phosphate dodecahydrate	EC50	384	Crustacea	394.099mg/L	3
ethylene glycol monobutyl ether	LC50	96	Fish	222.042mg/L	3
ethylene glycol monobutyl ether	EC50	48	Crustacea	>1000mg/L	4
ethylene glycol monobutyl ether	EC50	96	Algae or other aquatic plants	1081.644mg/L	3
ethylene glycol monobutyl ether	EC50	384	Crustacea	51.539mg/L	3
ethylene glycol monobutyl ether	NOEC	96	Crustacea	1000mg/L	4
Legend:			HA Registered Substances - Ecotoxicologic database - Aquatic Toxicity Data 5. ECETO		

Bioconcentration Data 7. METI (Japan) - Bioconcentration Data 8. Vendor Data

DO NOT discharge into sewer or waterways.

Persistence and degradability

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

Bioaccumulative potential

Ingredient	Bioaccumulation
trisodium phosphate dodecahydrate	LOW (LogKOW = -0.7699)
ethylene glycol monobutyl ether	LOW (BCF = 2.51)
water	LOW (LogKOW = -1.38)

Mobility in soil

Ingredient	Mobility
trisodium phosphate dodecahydrate	HIGH (KOC = 1)
ethylene glycol monobutyl ether	HIGH (KOC = 1)
water	LOW (KOC = 14.3)

SECTION 13 DISPOSAL CONSIDERATIONS

Waste treatment methods

Product / Packaging

Legislation addressing waste disposal requirements may differ by country, state and/ or territory. Each user must refer to laws operating in their area. In some

	Auto Rielle	
disposal	 possible to reclaim the product by filtration, distillation or some Note that properties of a material may change in use, and recycle DO NOT allow wash water from cleaning or process equil It may be necessary to collect all wash water for treatment In all cases disposal to sewer may be subject to local laws Where in doubt contact the responsible authority. Recycle wherever possible. Consult manufacturer for recycling options or consult local can be identified. 	ntaminated so as to make it unsuitable for its intended use. If it has been contaminated, it may be other means. Shelf life considerations should also be applied in making decisions of this type. Jing or reuse may not always be appropriate. oment to enter drains. before disposal. and regulations and these should be considered first. I or regional waste management authority for disposal if no suitable treatment or disposal facility eccept chemical and / or pharmaceutical wastes or incineration in a licenced apparatus (after
SECTION 14 TRANSPOR		
SECTION 14 TRANSFOR	TINFORMATION	
Labels Required		
Marine Pollutant	NO	
HAZCHEM	Not Applicable	
Land transport (ADG): NO	T REGULATED FOR TRANSPORT OF DANGEROU	S GOODS
Air transport (ICAO-IATA / I	DGR): NOT REGULATED FOR TRANSPORT OF DA	NGEPOUS COODS
	BORJ. NOT REGULATED FOR TRANSFORT OF DA	
Sea transport (IMDG-Code	/ GGVSee): NOT REGULATED FOR TRANSPORT	OF DANGEROUS GOODS
Transport in bulk according	ng to Annex II of MARPOL and the IBC code	
Not Applicable		
SECTION 15 REGULATO	RY INFORMATION	
Safaty health and anyiron	montal regulations (legislation specific for the	substance or mixture
	mental regulations / legislation specific for the	
	E(7758-29-4) IS FOUND ON THE FOLLOWING REGULATOR	IY LISTS
Australia Inventory of Chemical S	Substances (AICS)	
TRISODIUM PHOSPHATE DO	DECAHYDRATE(10101-89-0) IS FOUND ON THE FOLLOWIN	IG REGULATORY LISTS
Australia Inventory of Chemical S	Substances (AICS)	
ETHYLENE GLYCOL MONOB	UTYL ETHER(111-76-2) IS FOUND ON THE FOLLOWING RI	EGULATORY LISTS
Australia Exposure Standards		Australia Inventory of Chemical Substances (AICS)
Australia Hazardous Substances	Information System - Consolidated Lists	International Agency for Research on Cancer (IARC) - Agents Classified by the IARC Monographs
WATED/7722 19 5) IS EQUIND	ON THE FOLLOWING REGULATORY LISTS	
Australia Inventory of Chemical S		
National Inventory	Status	
Australia - AICS	Y	
Canada - DSL	Y N/a diana kita baharahata untara tria diana abarahata dada	
Canada - NDSL	N (sodium tripolyphosphate; water; trisodium phosphate dodeca Y	anyurate, emiylene giycoi monobutyi ether)
China - IECSC	1	
Europe - EINEC / ELINCS / NLP	Y	
Japan - ENCS	N (water)	
Korea - KECI	Y	
New Zealand - NZIoC	Y	
Philippines - PICCS	Y	

 USA - TSCA
 Y

 Legend:
 Y = All ingredients are on the inventory N = Not determined or one or more ingredients are not on the inventory and are not exempt from listing(see specific ingredients in brackets)

SECTION 16 OTHER INFORMATION

Other information

Ingredients with multiple cas numbers

3	
Name	CAS No

sodium tripolyphosphate 7758-29-4, 15091-98-2, 13573-18-7

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

- PC-TWA: Permissible Concentration-Time Weighted Average
- ${\sf PC-STEL}: {\sf Permissible \ Concentration-Short \ Term \ Exposure \ Limit}$
- IARC: International Agency for Research on Cancer ACGIH: American Conference of Governmental Industrial Hygienists
- STEL: Short Term Exposure Limit
- TEEL: Temporary Emergency Exposure Limit。
- IDLH: Immediately Dangerous to Life or Health Concentrations
- 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