



Phebra Pty Ltd

Chernwatch: 69-6161 Version No: 2.1.1.1 Safety Data Sheet according to WHS and ADG requirements Chemwatch Hazard Alert Code: 1

Issue Date: 25/10/2016 Print Date: 07/03/2018 S.GHS.AUS.EN

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

Product Identifier

Product name	Phosphate Phebra ®			
Synonyms	Not Available			
Other means of identification	Not Available			
Relevant identified uses of the substance or mixture and uses advised against				

Relevant identified uses Used as an oral phosphate supplement in the treatment of the following conditions 1) hypercalcaemia 2) hypophosphataemia.

Details of the supplier of the safety data sheet

Registered company name	hebra			
Address	rion Road Lane Cove West NSW 2066 Australia			
Telephone	+61 2 9420 9199 1800 720 020			
Fax	+61 2 9420 9177			
Website	www.phebra.com			
Email	info@phebra.com			

Emergency telephone number

- - - - - - - - - - -	
Association / Organisation	Not Available
Emergency telephone numbers	+61 401 264 004
Other emergency telephone numbers	N/A

SECTION 2 HAZARDS IDENTIFICATION

Classification of the substance or mixture					
Poisons Schedule	Not Applicable				
Classification	Not Applicable				
Label elements					
Hazard pictogram(s)	Not Applicable				
SIGNAL WORD	NOT APPLICABLE				

Hazard statement(s)

Not Applicable

Precautionary statement(s) Prevention Not Applicable Precautionary statement(s) Response Not Applicable Precautionary statement(s) Storage

Not Applicable

Precautionary statement(s) Disposal

Not Applicable

SECTION 3 COMPOSITION / INFORMATION ON INGREDIENTS

Substances

See section below for composition of Mixtures

Mixtures

CAS No	%[weight]	Name
7558-80-7	>50	sodium phosphate, monobasic, anhydrous
77-92-9	10-30	Citric Acid Anhydrous
144-55-8	1-10	Sodium hydrogen carbonate
298-14-6	1-10	potassium bicarbonate
57-50-1	1-10	Sucrose
25322-68-3	1-10	polyethylene glycol
82385-42-0	<1	saccharin sodium salt
Not Available	<1	orange favour

SECTION 4 FIRST AID MEASURES

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.

Indication of any immediate medical attention and special treatment needed

Treat symptomatically.

for phosphate salts intoxication:

- All treatments should be based on observed signs and symptoms of distress in the patient. Consideration should be given to the possibility that overexposure to materials other than this product may have occurred.
- Ingestion of large quantities of phosphate salts (over 1.0 grams for an adult) may cause an osmotic catharsis resulting in diarrhoea and probable abdominal cramps. Larger doses such as 4-8 grams will almost certainly cause these effects in everyone. In healthy individuals most of the ingested salt will be excreted in the faeces with the diarrhoea and, thus, not cause any systemic toxicity. Doses greater than 10 grams hypothetically may cause systemic toxicity.
- Treatment should take into consideration both anionic and cation portion of the molecule.
- + All phosphate salts, except calcium salts, have a hypothetical risk of hypocalcaemia, so calcium levels should be monitored.

SECTION 5 FIREFIGHTING MEASURES

Extinguishing media

- Foam.
- Dry chemical powder.
- BCF (where regulations permit).
- Carbon dioxide.
- Water spray or fog Large fires only.

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				
Advice for firefighters					
Fire Fighting	 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 courses. Use water delivered as a fine spray to control fire and cool adjacent 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. Equipment should be thoroughly decontaminated after use. Slight hazard when exposed to heat, flame and oxidisers. 				
Fire/Explosion Hazard	Combustible. Will burn if ignited. Combustion products include: , carbon monoxide (CO) , carbon dioxide (CO2) , phosphorus oxides (POx)				

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other pyrolysis products typical of burning organic material. May emit corrosive fumes. 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. Secure load if safe to do so. Bundle/collect recoverable product. Collect remaining material in containers with covers for disposal.
Major Spills	 Minor hazard. Clear area of personnel. Alert Fire Brigade and tell them location and nature of hazard. Wear physical protective gloves e.g. Leather. Contain spil/secure load if safe to do so. Bundle/collect recoverable product and label for recycling. Collect remaining product and place in appropriate containers for disposal. Clean up/sweep up area.

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

SECTION 7 HANDLING AND STORAGE

Precautions for safe handling					
Safe handling	 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. When handling, DO NOT eat, drink or smoke. 				
Other information	 Keep dry. Store under cover. Protect containers against physical damage. Observe manufacturer's storage and handling recommendations contained within this SDS. 				

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.
Storage incompatibility	 Phosphates are incompatible with oxidising and reducing agents. Phosphates are susceptible to formation of highly toxic and flammable phosphine gas in the presence of strong reducing agents such as hydrides. Partial oxidation of phosphates by oxidizing agents may result in the release of toxic phosphorus oxides. Avoid strong bases.

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	Sucrose	Sucrose	10 mg/m3	Not Ava	ailable	Not Available		Not Available	
EMERGENCY LIMITS									
Ingredient	Material name	Material name		TEEL-1 TEEL-2			TEEL-3		
Sodium hydrogen carbonate	Sodium bicarbonate	Sodium bicarbonate		13 mg/m3 140 mg/m3		840 mg/m3		ıg/m3	
potassium bicarbonate	Potassium bicarbona	Potassium bicarbonate		140 mg/m3 1,600 mg		ng/m3 9		9,500 mg/m3	
polyethylene glycol	Polyethylene glycol	Polyethylene glycol		30 mg/m3 1,300 mg/r		3 7,70		mg/m3	
Ingredient	Original IDLH			Revis	Revised IDLH				
sodium phosphate, monobasic, anhydrous	Not Available	Not Available			Not Available				
Citric Acid Anhydrous	Not Available	Not Available			Not Available				
Sodium hydrogen carbonate	Not Available	Not Available			Not Available				

potassium bicarbonate	Not Available	Not Available
Sucrose	Not Available	Not Available
polyethylene glycol	Not Available	Not Available
saccharin sodium salt	Not Available	Not Available
orange favour	Not Available	Not Available

Exposure 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. General exhaust is adequate under normal operating conditions.
 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. Lens should be removed at the first signs of eye redness or irritation - lens should be removed in a clean environment only after workers have washed hands thoroughly.
See Hand protection below
 Wear chemical protective gloves, e.g. PVC. Wear safety footwear or safety gumboots, e.g. Rubber Butyl rubber gloves Nitrile rubber gloves
See Other protection below
 Overalls. P.V.C. apron. Barrier cream. Skin cleansing cream. Eye wash unit.
Not Available

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)

Respiratory protection not normally required due to the physical form of the product.

SECTION 9 PHYSICAL AND CHEMICAL PROPERTIES

Information on basic physical and chemical properties

Appearance	White effervescent tablets. Tablet will effervesce with water. Active phosphate will dissolve, some excipients may remain insoluble.		
Physical state	Manufactured	Relative density (Water = 1)	Not Available
		, ,	
Odour	Not Available	Partition coefficient n-octanol / water	Not Available
Odour threshold	Not Available	Auto-ignition temperature (°C)	Not Available
pH (as supplied)	4.5-5.3	Decomposition temperature	Not Applicable
Melting point / freezing point (°C)	Not Available	Viscosity (cSt)	Not Applicable

1

Initial boiling point and boiling range (°C)	Not Applicable	Molecular weight (g/mol)	Not Applicable
Flash point (°C)	Not Available	Taste	Not Available
Evaporation rate	Not Available	Explosive properties	Not Available
Flammability	Not Available	Oxidising properties	Not Available
Upper Explosive Limit (%)	Not Available	Surface Tension (dyn/cm or mN/m)	Not Applicable
Lower Explosive Limit (%)	Not Available	Volatile Component (%vol)	Not Applicable
Vapour pressure (kPa)	Not Applicable	Gas group	Not Available
Solubility in water (g/L)	Partly miscible	pH as a solution (1%)	Not Available
Vapour density (Air = 1)	Not Applicable	VOC g/L	Not Available

SECTION 10 STABILITY AND REACTIVITY

1

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 toxicological effects

Inhaled	The material is not thought to produce adverse health effects or irritation of the respiratory tract (as classified by EC Directives using animal models). Nevertheless, good hygiene practice requires that exposure be kept to a minimum and that suitable control measures be used in an occupational setting. The very low volatility of polyethylene glycols (PEGs) make inhalation exposure unlikely, other than in the form of mist, which may be formed by violent agitation at high temperatures. No adverse effects have been reported with inhalation.		
Ingestion	The material has NOT been classified by EC Directives or other classification systems as "harmful by ingestion". This is because of the lack of corroborating animal or human evidence. As absorption of phosphates from the bowel is poor, poisoning this way is less likely. Effects can include vomiting, tiredness, fever, diarrhoea, low blood pressure, slow pulse, cyanosis, spasms of the wrist, coma and severe body spasms.		
Skin Contact	There is some evidence to suggest that the material may cause mild but significant inflammation of the skin either following direct contact or after a delay of some time. Repeated exposure can cause contact dermatitis which is characterised by redness, swelling and blistering. Polyethylene glycols (PEGs) may be absorbed by the skin but no toxic effects have been noted and sensitization does not occur. This material may increase the absorption activity or toxicity of other ingredients in a mixture. (Source: Genium) 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	Limited evidence or practical experience suggests, that the material may cause eye irritation in a substantial number of individuals. Prolonged eye contact may cause inflammation characterised by a temporary redness of the conjunctiva (similar to windburn). On eye contact, the polyethylene glycols will cause slight, temporary pain and irritation to the conjunctiva, although no permanent damage. The effects are described as similar to those produced by mild soap. Solutions of low-molecular weight organic acids cause pain and injury to the eyes.		
Chronic	Sodium phosphate dibasic can cause stones in the kidney, loss of mineral from the bones and loss of thyroid gland function. Polyethylene glycols appear to act as slow acting substances with parasympathetic-like effects. If given through a vein, they may increase the tendency of blood to clot and if given rapidly, can cause death from blood clot formation. It is not believed that they break down to form ethylene glycol.		
	ΤΟΧΙΟΙΤΥ	IRRITATION	
Phosphate Phebra ®	Not Available	Not Available	
	ΤΟΧΙΟΙΤΥ	IRRITATION	
sodium phosphate,	dermal (rat) LD50: >2000 mg/kg ^[1]		
monobasic anhydrous	dermai (rat) LD50: >2000 mg/kg* *	Eye (human): 50 mg mild	
monobasic, anhydrous	Oral (rat) LD50: >500 mg/kg ^[1]	Eye (human): 50 mg mild Eye (rabbit): 150 mg mild	
monobasic, anhydrous			
monobasic, anhydrous	Oral (rat) LD50: >500 mg/kg ^[1]	Eye (rabbit): 150 mg mild	
	Oral (rat) LD50: >500 mg/kg ^[1] TOXICITY	Eye (rabbit): 150 mg mild IRRITATION	
	Oral (rat) LD50: >500 mg/kg ^[1] TOXICITY dermal (rat) LD50: >2000 mg/kg ^[1]	Eye (rabbit): 150 mg mild IRRITATION Eye (rabbit): 0.75 mg/24h-SEVERE	
	Oral (rat) LD50: >500 mg/kg ^[1] TOXICITY dermal (rat) LD50: >2000 mg/kg ^[1] Oral (rat) LD50: 3000 mg/kg ^[2]	Eye (rabbit): 150 mg mild IRRITATION Eye (rabbit): 0.75 mg/24h-SEVERE Skin (rabbit): 500 mg/24h - mild	
Citric Acid Anhydrous	Oral (rat) LD50: >500 mg/kg ^[1] TOXICITY dermal (rat) LD50: >2000 mg/kg ^[1] Oral (rat) LD50: 3000 mg/kg ^[2] TOXICITY	Eye (rabbit): 150 mg mild IRRITATION Eye (rabbit): 0.75 mg/24h-SEVERE Skin (rabbit): 500 mg/24h - mild IRRITATION IRRITATION	

TOXICITY IRRITATION Sucrose Oral (rat) LD50: 29700 mg/kg^[2] Not Available TOXICITY IRRITATION Dermal (rabbit) LD50: >20000 mg/kg^[2] Eye (rabbit): 500mg/24h - mild. polyethylene glycol Oral (rat) LD50: 600 mg/kg^[2] Skin (rabbit): 500mg/24h - mild. TOXICITY IRRITATION saccharin sodium salt Oral (rat) LD50: 14200 mg/kg^[2] Not Available 1. Value obtained from Europe ECHA Registered Substances - Acute toxicity 2.* Value obtained from manufacturer's SDS. Unless otherwise specified Legend: data extracted from RTECS - Register of Toxic Effect of chemical Substances 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 criteria for diagnosing RADS include the absence of previous airways disease in a non-atopic individual, with sudden onset of persistent asthma-like symptoms within minutes to SODIUM PHOSPHATE, hours of a documented exposure to the irritant. Other criteria for diagnosis of RADS include a reversible airflow pattern on lung function tests, moderate to MONOBASIC, ANHYDROUS severe bronchial hyperreactivity on methacholine challenge testing, and the lack of minimal lymphocytic inflammation, without eosinophilia. 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. On the other hand, industrial bronchitis is a disorder that occurs as a result of exposure due to high concentrations of irritating substance (often particles) and is completely reversible after exposure ceases. The disorder is characterized by difficulty breathing, cough and mucus production. POTASSIUM BICARBONATE No data of toxicological significance identified in literature search. Oral (Human) TDLo: 9.6E-5 mg/kg SUCROSE For polyethylene alycols Pure polyethylene glycols have essentially similar toxicity, with the lighter species being more toxic. Absorption from the digestive tract decreases with increasing molecular weight. Polyethylene glycols do not have sensitizing and irritating properties on skin, however, allergic reactions (which can present as hives), sometimes delayed, may occur with some lighter species Polyethers (such as ethoxylated surfactants and polyethylene glycols) are highly susceptible to being oxidized in the air. They then form complex mixtures of POLYETHYLENE GLYCOL oxidation products Animal testing reveals that whole the pure, non-oxidised surfactant is non-sensitizing, many of the oxidation products are sensitisers. The oxidization products also cause irritation. 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 molecular weights (200-8000) * Oral (rat) LD50: 31000->50000 mg/kg Oral (mice) LD50: 38000->50000 mg/kg Oral (g.pig) LD50: 17000->50000 mg/kg Oral (rabbit) LD50: 14000->50000 mg/kg * AIHA WEEL Guides Intraperitoneal (mice) LD50: 3100-12900 mg/kg 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. The significance of the contact allergen is not simply determined by its sensitisation potential: the distribution of the substance and the SACCHARIN SODIUM SALT opportunities for contact with it are equally important. A weakly sensitising substance which is widely distributed can be a more important allergen than one with stronger sensitising potential with which few individuals come into contact. From a clinical point of view, substances are noteworthy if they produce an allergic test reaction in more than 1% of the persons tested. Bladder tumours, effects on fertility recorded, for dihydrate SODIUM PHOSPHATE. The material may be irritating to the eve, with prolonged contact causing inflammation. Repeated or prolonged exposure to irritants may produce MONOBASIC, ANHYDROUS & conjunctivitis. POLYETHYLENE GLYCOL 0 Carcinogenicity 0 Acute Toxicity \bigcirc Skin Irritation/Corrosion Reproductivity \bigcirc 0 STOT - Single Exposure Serious Eye Damage/Irritation Respiratory or Skin \bigcirc STOT - Repeated Exposure \bigcirc sensitisation Mutagenicity \bigcirc Aspiration Hazard \bigcirc - Data available but does not fill the criteria for classification Legend:

d: X − Data available but does not fill the cr
 ✓ − Data available to make classification

🚫 – Data Not Available to make classification

SECTION 12 ECOLOGICAL INFORMATION

Toxicity

	ENDPOINT	TEST DURATION (HR)	SPECIES	VALUE	SOURCE
Phosphate Phebra ®	Not Available	Not Available	Not Available	Not Available	Not Available
sodium phosphate,	ENDPOINT	TEST DURATION (HR)	SPECIES	VALUE	SOURCE
monobasic, anhydrous	LC50	96	Fish	186mg/L	4
	ENDPOINT	TEST DURATION (HR)	SPECIES	VALUE	SOURCE
Citric Acid Anhydrous	NOEC	16	Crustacea	153mg/L	4

	ENDPOINT	TEST DURATION (HR)	SPECIES	VALUE	SOURCE
Sodium hydrogen carbonate	LC50	96	Fish	833.280000mg/L	4
	EC50	48	Crustacea	=2350mg/L	1
	EC50	96	Algae or other aquatic plants	650mg/L	4
	NOEC	504	Crustacea	576mg/L	4
	ENDPOINT	TEST DURATION (HR)	SPECIES	VALUE	SOURCE
notoosium kironkonoto	LC50	96	Fish	<510mg/L	2
potassium bicarbonate	EC50	48	Crustacea	630mg/L	2
	NOEC	96	Fish	430mg/L	2
	ENDPOINT	TEST DURATION (HR)	SPECIES	VALUE	SOURCE
Sucrose	Not Available	Not Available	Not Available	Not Available	Not Available
	ENDPOINT	TEST DURATION (HR)	SPECIES	VALUE	SOURCE
polyethylene glycol	LC50	96	Fish	>1000mg/L	4
	ENDPOINT	TEST DURATION (HR)	SPECIES	VALUE	SOURCE
saccharin sodium salt	LC50	96	Fish	18300mg/L	4
Legend:	(QSAR) - Aquati		egistered Substances - Ecotoxicological Informa cotox database - Aquatic Toxicity Data 5. ECETC		

DO NOT discharge into sewer or waterways.

Persistence and degradability

Ingredient	Persistence: Water/Soil	Persistence: Air
Citric Acid Anhydrous	LOW	LOW
Sodium hydrogen carbonate	LOW	LOW
Sucrose	LOW	LOW
polyethylene glycol	LOW	LOW
saccharin sodium salt	HIGH	HIGH

Bioaccumulative potential

Ingredient	Bioaccumulation
Citric Acid Anhydrous	LOW (LogKOW = -1.64)
Sodium hydrogen carbonate	LOW (LogKOW = -0.4605)
Sucrose	LOW (LogKOW = -3.7)
polyethylene glycol	LOW (LogKOW = -1.1996)
saccharin sodium salt	LOW (LogKOW = 0.4488)

Mobility in soil

Ingredient	Mobility
Citric Acid Anhydrous	LOW (KOC = 10)
Sodium hydrogen carbonate	HIGH (KOC = 1)
Sucrose	LOW (KOC = 10)
polyethylene glycol	HIGH (KOC = 1)
saccharin sodium salt	LOW (KOC = 32.13)

SECTION 13 DISPOSAL CONSIDERATIONS

Waste treatment methods

Product / Packaging disposal	 DO NOT allow wash water from cleaning or process equipment to enter drains. It may be necessary to collect all wash water for treatment before disposal. In all cases disposal to sewer may be subject to local laws and regulations and these should be considered first. Where in doubt contact the responsible authority. 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.
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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

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

SECTION 15 REGULATORY INFORMATION

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

SODIUM PHOSPHATE, MONOBASIC, ANHYDROUS(7558-80-7) IS FOUND ON THE FOLLOWING REGULATORY LI		
Australia Inventory of Chemical Substances (AICS)		

CITRIC ACID ANHYDROUS(77-92-9) IS FOUND ON THE FOLLOWING REGULATORY LIST	ſS
Australia Hazardous Substances Information System - Consolidated Lists	Australia Inventory of Chemical Substances (AICS)

SODIUM HYDROGEN CARBONATE(144-55-8) IS FOUND ON THE FOLLOWING REGULATORY LISTS

Australia Inventory of Chemical Substances (AICS)

POTASSIUM BICARBONATE(298-14-6) IS FOUND ON THE FOLLOWING REGULATORY LISTS

Australia Inventory of Chemical Substances (AICS)

SUCROSE(57-50-1) IS FOUND ON THE FOLLOWING REGULATORY LISTS

Australia Exposure Standards

Notional Inventory

Australia Inventory of Chemical Substances (AICS)

POLYETHYLENE GLYCOL(25322-68-3) IS FOUND ON THE FOLLOWING REGULATORY LISTS Australia Inventory of Chemical Substances (AICS)

SACCHARIN SODIUM SALT(82385-42-0) IS FOUND ON THE FOLLOWING REGULATORY LISTS

Australia Inventory of Chemical Substances (AICS)

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

National Inventory	Status
Australia - AICS	Y
Canada - DSL	Y
Canada - NDSL	N (polyethylene glycol; Sucrose; sodium phosphate, monobasic, anhydrous; Citric Acid Anhydrous; potassium bicarbonate; Sodium hydrogen carbonate; saccharin sodium salt)
China - IECSC	Y
Europe - EINEC / ELINCS / NLP	Y
Japan - ENCS	N (Sucrose)
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

Name	CAS No
sodium phosphate, monobasic, anhydrous	7558-80-7, 1333-80-8, 89140-32-9
Citric Acid Anhydrous	77-92-9, 1192555-95-5, 12262-73-6, 136108-93-5, 245654-34-6, 43136-35-2, 623158-96-3, 856568-15-5, 878903-72-1, 890704-54-8, 896506-46-0, 906507-37-7
polyethylene glycol	25322-68-3, 8038-37-7, 9081-95-2, 9085-02-3, 9085-03-4, 12676-74-3, 12770-93-3, 25104-58-9, 25609-81-8, 34802-42-1, 37361-15-2, 50809-04-6, 50809-59-1, 54510-95-1, 54847-64-2, 59763-40-5, 60894-12-4, 61840-14-0, 64441-68-5, 64640-28-4, 67411-64-7, 70926-57-7, 75285-02-8, 75285-03-9, 77986-38-0, 79964-26-4, 80341-53-3, 85399-22-0, 85945-29-5, 88077-80-9, 88747-22-2, 90597-70-9, 99264-61-6, 99333-89-8, 101677-86-5, 106186-24-7, 107502-63-6, 107529-96-4, 109550-27-8, 112384-37-9, 112895-21-3, 114323-93-2, 116549-90-7, 119219-06-6, 125223-68-9, 133573-31-6, 134919-43-0, 150872-82-5, 154394-38-4, 156948-19-5, 169046-53-1, 174460-08-3, 174460-09-4, 188364-77-4, 188924-03-0, 189154-62-9, 191743-71-2, 196696-84-1, 201163-43-1, 206357-86-0
saccharin sodium salt	82385-42-0, 6155-57-3

Classification of the preparation and its individual components has drawn on official and authoritative sources as well as independent review by the Chernwatch 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 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_o 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

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