Northfork Food Service Fat and Grease Remover

ACCO Brands Australia

Version No: **1.6** Safety Data Sheet according to WHS and ADG requirements Issue Date: 16/04/2021

S.GHS.AUS.EN

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

Product Identifier

Product name	Northfork Fat and Grease Remover
Synonyms	Not Available
Other means of identification	5L- 631110700, 15L - 631110800

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

Relevant identified uses Cleaning fat and grease off surfaces

Details of the supplier of the safety data sheet

Registered company name	ACCO Brands Australia Pty Ltd	
Address	17-19 Waterloo Street, Queanbeyan 2620 NSW Australia	
Telephone	61-2-96740900	
Fax	+61-2-96740910	
Website	www.accobrands.com.au	
Email	sds.anz@acco.com	

Emergency telephone number

Association / Organisation	Poisons Information Line
Emergency telephone numbers	13 11 26
Other emergency telephone numbers	13 11 26

SECTION 2 HAZARDS IDENTIFICATION

Classification of the substance or mixture

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

Poisons Schedule	5	
Classification ^[1]	Serious Eye Damage Category 1, Skin Corrosion/Irritation Category 1B, Acute Aquatic Hazard Category 3, Specific target organ toxicity - single exposure Category 3 (respiratory tract irritation)	
Legend:	1. Classified by Chemwatch; 2. Classification drawn from HSIS ; 3. Classification drawn from EC Directive 1272/2008 - Annex VI	

Label elements

GHS label elements	
SIGNAL WORD	DANGER

Hazard statement(s)

H318	Causes serious eye damage
H314	Causes severe skin burns and eye damage
H402	Harmful to aquatic life
H335	May cause respiratory irritation

Precautionary statement(s) Prevention

P101	If medical advice is needed, have product container or label at hand.	
P102	Keep out of reach of children.	

P103	P103 Read label before use.	
P260	Do not breathe dust/fume/gas/mist/vapours/spray.	
P271	Use only outdoors or in a well-ventilated area.	
P280 Wear protective gloves/protective clothing/eye protection/face protection.		
P273	Avoid release to the environment.	

Precautionary statement(s) Response

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.	
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.	
P363 Wash contaminated clothing before reuse.	
P304+P340 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.	
P403+P233	P403+P233 Store in a well-ventilated place. Keep container tightly closed.	

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
64-02-8	<10	EDTA tetrasodium salt
1310-73-2	<10	sodium hydroxide
27176-87-0	<10	dodecylbenzenesulfonic acid
111-76-2	<10	ethylene glycol monobutyl ether
1344-09-8	<10	sodium metasilicate
584-08-7	<10	potassium carbonate
7320-34-5	<10	potassium pyrophosphate
1300-72-7	<10	sodium xylenesulfonate

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 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 or hair contact occurs: Immediately flush body and clothes with large amounts of water, using safety shower if available. Quickly remove all contaminated clothing, including footwear. Wash skin and hair with running water. Continue flushing with water until advised to stop by the Poisons Information Centre. Transport to hospital, or doctor. 		
Inhalation	 If fumes or combustion products are inhaled remove from contaminated area. Lay patient down. Keep warm and rested. Prostheses such as false teeth, which may block airway, should be removed, where possible, prior to initiating first aid procedures. Apply artificial respiration if not breathing, preferably with a demand valve resuscitator, bag-valve mask device, or pocket mask as trained. Perform CPR if necessary. Transport to hospital, or doctor, without delay. 		
Ingestion	 For advice, contact a Poisons Information Centre or a doctor at once. Urgent hospital treatment is likely to be needed. If swallowed do NOT induce vomiting. If vomiting occurs, lean patient forward or place on left side (head-down position, if possible) to maintain open airway and prevent aspiration. Observe the patient carefully. Never give liquid to a person showing signs of being sleepy or with reduced awareness; i.e. becoming unconscious. Give water to rinse out mouth, then provide liquid slowly and as much as casuality can comfortably drink. Transport to hospital or doctor without delay. 		

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.
- 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

For acute or short-term repeated exposures to highly alkaline materials

- Respiratory stress is uncommon but present occasionally because of soft tissue edema.
- Unless endotracheal intubation can be accomplished under direct vision, cricothyroidotomy or tracheotomy may be necessary.
- Oxygen is given as indicated.
- The presence of shock suggests perforation and mandates an intravenous line and fluid administration.
- Damage due to alkaline corrosives occurs by liquefaction necrosis whereby the saponification of fats and solubilisation of proteins allow deep penetration into the tissue.
- Alkalis continue to cause damage after exposure

INGESTION:

Milk and water are the preferred diluents

No more than 2 glasses of water should be given to an adult.

Neutralising agents should never be given since exothermic heat reaction may compound injury.

* Catharsis and emesis are absolutely contra-indicated.

* Activated charcoal does not absorb alkali.

* Gastric lavage should not be used.

Supportive care involves the following:

Withhold oral feedings initially.

- If endoscopy confirms transmucosal injury start steroids only within the first 48 hours.
- Carefully evaluate the amount of tissue necrosis before assessing the need for surgical intervention.
- Patients should be instructed to seek medical attention whenever they develop difficulty in swallowing (dysphagia).
- SKIN AND EYE:

Injury should be irrigated for 20-30 minutes.

Eye injuries require saline. [Ellenhorn & Barceloux: Medical Toxicology]

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 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
 - 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. DONOT 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.
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 fumes of carbon monoxide (CO). May emit acrid smoke.

SECTION 6 ACCIDENTAL RELEASE MEASURES

Personal precautions, protective equipment and emergency procedures

Minor Spills	 Environmental hazard - contain spillage. 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.
	Environmental hazard - contain spillage.
	Moderate hazard.
	 Clear area of personnel and move upwind.
	Alert Fire Brigade and tell them location and nature of hazard.
Major Spills	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.
	 Collect recoverable product into labelled containers for recycling.

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	

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	 Ethylene glycol monobutyl ether (2-butoxyethanol) and its acetate: May form unstable peroxides in storage is incompatible with oxidisers, permanganates, peroxides, ammonium persulfate, bromine dioxide, nitrates, strong acids, sulfuric acid, nitric acid, perchloric acid
	 Avoid strong acids, acid chlorides, acid anhydrides and chloroformates. Avoid contact with copper, aluminium and their alloys.

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	sodium hydroxide	Sodium hydroxide	Not Available	Not Available	2 mg/m3	Not Available
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

EWERGENCT LIWITS					
Ingredient	Material name		TEEL-1	TEEL-2	TEEL-3
EDTA tetrasodium salt	Ethylenediaminetetraacetic acid, tetrasodium salt, dihydrate		6 mg/m3	66 mg/m3	400 mg/m3
EDTA tetrasodium salt	Ethylenediaminetetraacetic acid, tetrasodiumn salt; (Tetrasodium EDTA)		30 mg/m3	330 mg/m3	2000 mg/m3
sodium hydroxide	Sodium hydroxide		Not Available	Not Available	Not Available
dodecylbenzenesulfonic acid	Dodecylbenzene sulfonic acid; (Laurylbenzenesulfonic acid)		2 mg/m3	21 mg/m3	130 mg/m3
ethylene glycol monobutyl ether	Butoxyethanol, 2-; (Glycol ether EB)		20 ppm	20 ppm	700 ppm
sodium metasilicate	Silicic acid, sodium salt; (Sodium silicate)		5.9 mg/m3	65 mg/m3	390 mg/m3
potassium carbonate	Potassium carbonate	Potassium carbonate		1.1 mg/m3	370 mg/m3
potassium pyrophosphate	Potassium pyrophosphate; (Tetrapotassium diphosphorate)		22 mg/m3	250 mg/m3	1900 mg/m3
Ingredient	Original IDLH	Revised ID	LH		
EDTA tetrasodium salt	Not Available		Not Available		
sodium hydroxide	250 mg/m3	10 mg/m3	10 mg/m3		
dodecylbenzenesulfonic acid	Not Available	Not Available	Not Available		
ethylene glycol monobutyl ether	700 ppm	700 [Unch] ppm			
sodium metasilicate	Not Available No		Not Available		
potassium carbonate	Not Available		Not Available		
potassium pyrophosphate	Not Available Not Available				
sodium xylenesulfonate	Not Available	Not Available	e		

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. Local exhaust ventilation usually required.
Personal protection	
Eye and face protection	 Safety glasses with unperforated side shields may be used where continuous eye protection is desirable, as in laboratories; spectacles are not sufficient where complete eye protection is needed such as when handling bulk-quantities, where there is a danger of splashing, or if the material may be under pressure. Chemical goggles.whenever there is a danger of the material coming in contact with the eyes; goggles must be properly fitted. Full face shield (20 cm, 8 in minimum) may be required for supplementary but never for primary protection of eyes; these afford face protection. Alternatively a gas mask may replace splash goggles and face shields. 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.
Skin protection	See Hand protection below
Hands/feet protection	 Elbow length PVC gloves When handling corrosive liquids, wear trousers or overalls outside of boots, to avoid spills entering boots. 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. P.V.C. apron. Barrier cream. Skin cleansing cream. Eye wash unit.
Thermal hazards	Not Available

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:

Fat and Grease Remover

Material	CPI
BUTYL	A
NEOPRENE	В
NAT+NEOPR+NITRILE	C
NATURAL RUBBER	C
NATURAL+NEOPRENE	C
NEOPRENE/NATURAL	C
NITRILE	C
NITRILE+PVC	C
PE	C
PE/EVAL/PE	C
PVA	C
PVC	C
SARANEX-23	C
SARANEX-23 2-PLY	C
TEFLON	С
VITON	С
VITON/CHLOROBUTYL	C

* 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

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.

Type ABK-P Filter of sufficient capacity. (AS/NZS 1716 & 1715, EN 143:2000 & 149:2001, ANSI

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	ABK-AUS / Class 1 P2	-	ABK-PAPR-AUS / Class 1 P2
up to 25 x ES	Air-line*	ABK-2 P2	ABK-PAPR-2 P2
up to 50 x ES	-	ABK-3 P2	-
50+ x ES	-	Air-line**	-

^ - Full-face

Respiratory protection

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)

"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

Appearance	Clear liquid		
Dhusiaal state	1 invited	Deletive density (Mater 4)	4 00 4 40
Physical state	Liquid	Relative density (Water = 1)	1.08-1.12
Odour	Not Available	Partition coefficient n-octanol / water	Not Available
Odour threshold	Not Available	Auto-ignition temperature (°C)	Not Available
pH (as supplied)	12-14	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 Available
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 Available
Lower Explosive Limit (%)	Not Available	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%)	11-13
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 toxicological effects

Inhaled	The material can cause respiratory irritation in some persons. The body's response to such irritation can cause further lung damage. Inhaling corrosive bases may irritate the respiratory tract. Symptoms include cough, choking, pain and damage to the mucous membrane. Not normally a hazard due to non-volatile nature of product The material has NOT been classified by EC Directives or other classification systems as "harmful by inhalation". This is because of the lack of corroborating animal or human evidence.
Ingestion	Ingestion of alkaline corrosives may produce burns around the mouth, ulcerations and swellings of the mucous membranes, profuse saliva production, with an inability to speak or swallow. Both the oesophagus and stomach may experience burning pain; vomiting and diarrhoea may follow. 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. Ingestion of anionic surfactants may produce diarrhoea, bloated stomach, and occasional vomiting. Severe acute exposure to ethylene glycol monobutyl ether, by ingestion, may cause kidney damage, haemoglobinuria, (blood in urine) and is potentially fatal.
Skin Contact	The material can produce severe chemical burns following direct contact with the skin. Skin contact is not thought to have harmful health effects (as classified under EC Directives); the material may still produce health damage following entry through wounds, lesions or abrasions. Anionic surfactants can cause skin redness and pain, as well as a rash. Cracking, scaling and blistering can occur. Ethylene glycol monobutyl ether penetrates the skin easily and will cause more harm on skin contact than through inhalation. 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. Direct eye contact with corrosive bases can cause pain and burns. There may be swelling, epithelium destruction, clouding of the cornea and inflammation of the iris. Mild cases often resolve; severe cases can be prolonged with complications such as persistent swelling, scarring, permanent cloudiness, bulging of the eye, cataracts, eyelids glued to the eyeball and blindness. Direct eye contact with some anionic surfactants in high concentration can cause severe damage to the cornea. Low concentrations can cause discomfort, excess blood flow, and corneal clouding and swelling. Recovery may take several days. Ethylene glycol monobutyl ether may cause pain, redness and damage to the eyes.

Chronic	Long-term exposure to respiratory irritants may result in Substance accumulation, in the human body, may occur There is some evidence that inhaling this product is mo There is limited evidence that, skin contact with this pro- population. There has been concern that this material can cause ca Exposure to sulfonates can cause an imbalance in cellu allergies and, in some instances, minor dermal allergie Repeated skin contact with some sulfonated surfactants	and may cause some co re likely to cause a sensi duct is more likely to cau ncer or mutations, but the ular salts and therefore of as.	ncern following repeated or lor tisation reaction in some perso se a sensitisation reaction in so ere is not enough data to make ellular function. Airborne sulfor	ng-term occupational exposure. Ins compared to the general population. Ins persons compared to the general an assessment. Inates may be responsible for respiratory
	ΤΟΧΙΟΙΤΥ		IRRITATION	
Fat and Grease Remover	Not Available		Not Available	
	ΤΟΧΙΟΙΤΥ	IR	RITATION	
	Oral (rat) LD50: 630 mg/kg*g ^[2] *[BASF]			
EDTA tetrasodium salt		Ey	Eyes (rabbit): 1.9 mg	
		Ey	Eyes (rabbit):100 mg/24h-moderate	
		Sk	in (rabbit):500 mg/24h-modera	te
	TOXICITY	IRRI	TATION	
	Oral (rabbit) LD50: 325 mg/kg ^[1]	Eye (rabbit): 0.05 mg/24h SEVERE	
sodium hydroxide		Eye (rabbit):1 mg/24h SEVERE	
		Eye (rabbit):1 mg/30s rinsed-SEVE	RE
		Skin	(rabbit): 500 mg/24h SEVERE	
-ll	ΤΟΧΙΟΙΤΥ		IR	RITATION
dodecylbenzenesulfonic acid	Oral (rat) LD50: 650 mg/kg ^[2]		N	ot Available
	TOXICITY		IRRITATION	
	dermal (rat) LD50: >2000 mg/kg ^[1]		* [Union Carbide]	
ethylene glycol monobutyl	Inhalation (rat) LC50: 450 ppm/4H ^[2]		Eye (rabbit): 100 mg SEVEI	RE
ether	Oral (rat) LD50: 250 mg/kg ^[2]		Eye (rabbit): 100 mg/24h-m	oderate
			Skin (rabbit): 500 mg, open;	mild
	тохісіту		RRITATION	
sodium metasilicate			Skin (human): 250 mg/24h SE	/FRF
Source metasincate	dermal (rat) LD50: >5000 mg/kg ^[1] Skin (human): 250 mg/24h SE Oral (rat) LD50: 500 mg/kg ^[1] Skin (rabbit): 250 mg/24h SE			
	TOXICITY			IRRITATION
potassium carbonate	Dermal (rabbit) LD50: >2000 mg/kg ^[1]			Nil reported
	Oral (rat) LD50: 1870 mg/kgd ^[2]			
	ΤΟΧΙΟΙΤΥ			IRRITATION
potassium pyrophosphate	dermal (rat) LD50: >2000 mg/kg ^[1]			[Albright]
	Oral (rat) LD50: >300-<2000 mg/kg> ^[1]			
	тохісіту			IRRITATION
sodium xylenesulfonate	Dermal (rabbit) LD50: >2000 mg/kg ^[1]			Not Available
Sourch Ayrenesulionale	Oral (rat) LD50: >3000 mg/kg ^[1]			
Legend:	1. Value obtained from Europe ECHA Registered Subs	tances - Acute toxicity 2	* Value obtained from manufac	turer's SDS Unless otherwise specified dat

Fat and Grease Remover

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 tack 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. Industrial bronchitis, on the other hand, is a disorder that occurs as result of exposure due to high concentrations of irritating substance (often particulate in nature) and is completely reversible after exposure ceases. The disorder is characterised by dyspnea, cough and mucus production. No significant acute toxicological data identified in literature search. for alkyl sulfates; alkane sulfonates and alpha-olefin sulfonates. Most chemicals of this category are not defined substances, but mixtures of homologues with different alkyl chain lengths. Alpha-olefin sulfonates are mixtures of alkene sulfonate and hydroxyl alkane sulfonates with the sulfonate group in the terminal position and the double bond, or hydroxyl group, located at a position in the vicinity of the sulfonate group. The sulfonate group in the vicinity of the sulfonate group. Common physical and/or biological pathways result in structurally similar breakdown products, and are, together with the surfactant properties, responsible for similar environmental behavior and essentially identical hazard profiles with regard to human health. Acute oral LD50 values of alkyl sulfates in rats and/or mice were (in mg/kg): C10-290-580 C12-14, C12-15, C12-16, C12-18 and C16-18-; >2000 C14-18-, c12-15, C12-16, C12-18 and C16-18-; >2000 C14-18-, c16-18-; >2000 C
SODIUM HYDROXIDE	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 severe skin irritation after prolonged or repeated exposure and may produce on contact skin redness, swelling, the production of vesicles, scaling and thickening of the skin. Repeated exposures may produce severe ulceration. 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 eosinophilia, 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 inritant g substance. Industrial bronchitis, on the other hand, is a disorder that occurs as result of exposure due to high concentrations of irritating substance (often particulate in nature) and is completely reversible after exposure ceases. The disorder is characterised by dyspnea, cough and mucus production.
DODECYLBENZENESULFONIC ACID	The material may be irritating to the eye, with prolonged contact causing inflammation. Repeated or prolonged exposure to irritants may produce conjunctivitis. 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 eosinophilia, 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. Industrial bronchitis, on the other hand, is a disorder that occurs as result of exposure due to high concentrations of irritating substance (often particulate in nature) and is completely reversible after exposure ceases. The disorder is characterised by dyspnea, cough and mucus produccion. 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. Linear alkyl benzene sulfonates are derived from strong corrosive acids. Animal testing has shown they can cause skin reactions, eye irritation, sluggishness, passage of frequent watery stools, weakness and may lead to death. They may also react with surfaces of the mouth and intestines, depending on the concentration exposed to. There is no evidence of harm to the unbom baby or tendency to cause cancer. ADI: 2.5 mg/kg/day
ETHYLENE GLYCOL MONOBUTYL ETHER	ADI. 25 https://doi.org/10.1007/2007/2007/2007/2007/2007/2007/2007/

	 haemopoietic system in rats and mice. In addition, 2-butoxyethanol exposures caused increases in the incidence of neoplasms and nonneoplastic lesions (1). The occurrence of the anaemia was concentration-dependent and more pronounced in rats and females. For ethylene glycol: Ethylene glycol is quickly and extensively absorbed through the gastrointestinal tract. Limited information suggests that it is also absorbed through the respiratory tract; dermal absorption is apparently slow. Following absorption, ethylene glycol is distributed throughout the body according to total body water. In most mammalian species, including humans, ethylene glycol is caid and glycoxal by alcohol. dehydrogenase to form glycolaldehyde, which is rapidly converted to glycolic acid and glycoxal by aldehyde oxidase and aldehyde dehydrogenase. These metabolites are oxidised to glycoxylate; glyoxylate may be further metabolised to formic acid, oxalic acid, and glycine. Breakdown of both glycine and formic acid can generate CO2, which is one of the major elimination products of ethylene glycol. In addition to exhaled CO2, ethylene glycol is eliminated in the urine as both the parent compound and glycolic acid. NOTE: Changes in kidney, liver, spleen and lungs are observed in animals exposed to high concentrations of this substance by all routes. ** ASCC (NZ) SDS
SODIUM METASILICAT	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. Industrial bronchitis, on the other hand, is a disorder that occurs as result of exposure due to high concentrations of irritating substance (often particulate in nature) and is completely reversible after exposure ceases. The disorder is characterised by dyspnea, cough and mucus production.
POTASSIUM PYROPHOSPHAT	E No data available. Data for sodium analogue only. tetrasodium pyrophosphate
SODIUM XYLENESULFONAT	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 diagnosis of RADS include the absence of preceding respiratory disease, in a non-alopic individual, with abupt onset of persistent asthma-like symptoms within minutes to hours of a documented exposure to the initiant. 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 asthman Joflowing an initiating inflammation is an infrequent disorder with rates related to the concentration of and duration of exposure to the initiating substance. Industrial bronchitis, on the other hand, is a disorder that occurs as result of exposure due to high vydrypene, cough and mucus production. No significant acute toxicological data identified in literature search. for alkyl sulfates; alkane sulfonates and alpha-olefin sulfonates. Most chemicals of this category are not defined substances, but mixtures of homologues with different alkyl chain lengths. Alpha-olefin sulfonates are mixtures of alkene sulfonate and hydroxyl alkane sulfonates with the sulfonate group. In the vicinity of the sulfonate group. Common physical and/or biological pathways result in structurally similar breakdown products, and are, together with the surfactant properties, responsible for similar environmental behavior and testential behavior and essentially identical hazard profiles with regard to human health. Acute oral LDSO values of alkyl sulfates in rats and/or mice were (in mg/kg): C10-16, and C12-116, C12-18 and C16-18; >2000 C12-14, C12-15, C12-16, C12-18 and C16-18; >2000 C14-18,
POTASSIUM CARBONATE Potassium pyrophosphat	
Acute Toxicity	Carcinogenicity
Skin Irritation/Corrosion	✓ Reproductivity
Serious Eye Damage/Irritation	✓ STOT - Single Exposure
Respiratory or Skin sensitisation	STOT - Repeated Exposure
Mutagenicity	S Aspiration Hazard
Mutagenicity	Aspiration Hazard Legend: — Data available but does not fill the criteria for classification — Data required to make classification available — Data Not Available to make classification

SECTION 12 ECOLOGICAL INFORMATION

Toxicity

Ingredient	Endpoint	Test Duration (hr)	Species	Value	Source
EDTA tetrasodium salt	NOEC	71	Algae or other aquatic plants	0.0003802mg/L	4
EDTA tetrasodium salt	EC10	72	Algae or other aquatic plants	=0.48mg/L	1
EDTA tetrasodium salt	EC50	72	Algae or other aquatic plants	=1.01mg/L	1
EDTA tetrasodium salt	LC50	96	Fish	41mg/L	2
EDTA tetrasodium salt	EC50	48	Crustacea	140mg/L	2
sodium hydroxide	EC50	384	Crustacea	27901.643mg/L	3
sodium hydroxide	EC50	96	Algae or other aquatic plants	1034.10043mg/L	3
sodium hydroxide	LC50	96	Fish	4.16158mg/L	3
sodium hydroxide	NOEC	96	Fish	56mg/L	4
sodium hydroxide	EC50	48	Crustacea	40.4mg/L	2
dodecylbenzenesulfonic acid	EC50	48	Crustacea	=5.12mg/L	1
dodecylbenzenesulfonic acid	EC50	384	Crustacea	1.309mg/L	3
dodecylbenzenesulfonic acid	EC50	96	Algae or other aquatic plants	5.549mg/L	3
dodecylbenzenesulfonic acid	LC50	96	Fish	5.118mg/L	3
ethylene glycol monobutyl ether	EC50	384	Crustacea	51.539mg/L	3
ethylene glycol monobutyl ether	LC50	96	Fish	222.042mg/L	3
ethylene glycol monobutyl ether	EC50	48	Crustacea	164mg/L	2
ethylene glycol monobutyl ether	NOEC	168	Crustacea	56mg/L	2
ethylene glycol monobutyl ether	EC50	96	Algae or other aquatic plants	720mg/L	2
sodium metasilicate	LC50	96	Fish	260- 310mg/L	2
sodium metasilicate	NOEC	96	Fish	348mg/L	2
sodium metasilicate	EC50	48	Crustacea	1700mg/L	2
sodium metasilicate	EC50	96	Crustacea	160mg/L	2
sodium metasilicate	EC50	72	Algae or other aquatic plants	207mg/L	2
potassium carbonate	LC50	96	Fish	68mg/L	2
potassium carbonate	NOEC	96	Fish	33mg/L	2
potassium carbonate	EC50	48	Crustacea	200mg/L	2
potassium carbonate	EC50	48	Crustacea	430mg/L	2
potassium pyrophosphate	LC50	96	Fish	>100mg/L	2
potassium pyrophosphate	EC50	48	Crustacea	>100mg/L	2
potassium pyrophosphate	EC50	48	Algae or other aquatic plants	>=100- <=200mg/L	2
potassium pyrophosphate	EC50	72	Algae or other aquatic plants	>100mg/L	2
potassium pyrophosphate	NOEC	72	Algae or other aquatic plants	>100mg/L	2
sodium xylenesulfonate	LC50	96	Fish	>1000mg/L	2
sodium xylenesulfonate	EC50	48	Crustacea	>40.3mg/L	2
sodium xylenesulfonate	EC50	48	Crustacea	>=40.3mg/L	2
sodium xylenesulfonate	EC50	96	Algae or other aquatic plants	>=230mg/L	2
sodium xylenesulfonate	NOEC	96	Algae or other aquatic plants	31mg/L	2



Extracted from 1. IUCLID Toxicity Data 2. Europe ECHA Registered Substances - Ecotoxicological Information - Aquatic Toxicity 3. EPIWIN Suite V3.12 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

On the basis of available evidence concerning either toxicity, persistence, potential to accumulate and or observed environmental fate and behaviour, the material may present a danger, immediate or long-term and /or delayed, to the structure and/ or functioning of natural ecosystems. Harmful to aquatic organisms.

For alkyl sulfates; alkane sulfonates and alpha-olefin sulfonates:

Environmental Fate: The similar physical and chemical properties of these chemicals result in similar ecotoxic action and environmental fate throughout the group. The lineal hydrophobic hydrocarbon chain structure and the polar sulfate or sulfonate groups confer surfactant properties and enable the commercial use of these substances as anionic surface active agents. Within each subcategory the most important parameter influencing ecotoxicity is the varying length of the alkyl chain. As ionic substances, the chemicals in this group all have extremely low vapor pressures, and therefore decompose before reaching their theoretical boiling points. As surfactants tend to concentrate at the water/air interface rather than equilibrate across these boundaries, calculated measures of partitioning of these substances is the hydrosphere, and partitioning into the atmosphere can be excluded. In water, the compounds are stable to hydrolysis under environmental conditions. No significant bioaccumulation is expected.

For Ethelene Glycol Monoalkyl Ethers and their Acetates:

log BCF: 0.463 to 0.732;

LC50 : 94 to > 5000 mg/L. (aquatic species)

Members of this category include ethylene glycol propyl ether (EGPE), ethylene glycol butyl ether (EGBE) and ethylene glycol hexyl ether (EGHE).

Environmental Fate: Aquatic Fate - The ethers possess no functional groups that are readily subject to hydrolysis in the presence of waters. The acetates possess an ester group that hydrolyses in neutral ambient water under abiotic conditions. Will partition predominately to water and, to a lesser extent, to air and soil. Soil - Highly mobile in soil.

Ecotoxicity: Ethelene glycol monoalkyl ethers and their acetates are readily biodegradable.

For Hydrotropes:

Atmospheric Fate: No experimental data are available for the breakdown of hydrotropes in sunlight, (photodegradation), however; the predicted atmospheric oxidation half-lives are on the order of 40 to 105 hours, indicating significant atmospheric degradation potential. As hydrotropes do not evaporate, the importance of atmospheric light breakdown as an environmental fate mechanism is low. However, atmospheric emissions of these substances are considered to be very low.

Terrestrial Fate: No terrestrial toxicity data are available for members of the hydrotropes category; however, these substances have little potential to reach the terrestrial compartment, are non-persistent, and are not expected to accumulate or persist.

Aquatic Fate: These substances are predicted to partition almost exclusively to the water compartment. Hydrotropes are readily soluble in water and have a low potential to evaporate from water. Hydrotropes are readily biodegradable, in oxygenated water and are not expected to biodegrade, to a significant extent, under low oxygen conditions, however, the presence of hydrotropes in low oxygen waters is expected to be negligible. With the exception of salts in this category, hydrotropes are expected to have low breakdown potential in water - the salts will break down in water and are readily biodegradable.

For Linear Alkylbenzene Sulfonic Acids and their Salts (LABS): Log Kow: ~2.

Environmental Fate: The environmental fate of LABS and alkylbenzene sulfonate, (LAS), are expected to be similar. LABS are liquids and LAS is a solid at room temperature. Most of these chemicals will partition to the soil and water ① very little move to the air or sediment. Atmospheric Fate: Breakdown of LABS/LAS by light is expected to be an important fate process. The substances are expected to be broken down by hydroxyl radicals, with a half-life of 7-8.6 hours. (LABS), and 95% breakdown of LAS, in 20 minutes, at 25 C.

Terrestrial Fate: Substantial breakdown of LABS, LAS, and the C10-16 derivatives of LABS by oxygen using microbes is expected to occur. LAS will not breakdown under low oxygen conditions. DO NOT discharge into sewer or waterways.

Persistence and degradability

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

Bioaccumulative potential

Ingredient	Bioaccumulation
sodium hydroxide	LOW (LogKOW = -3.8796)
dodecylbenzenesulfonic acid	LOW (BCF = 140)
ethylene glycol monobutyl ether	LOW (BCF = 2.51)

Mobility in soil

Ingredient	Mobility
sodium hydroxide	LOW (KOC = 14.3)
dodecylbenzenesulfonic acid	LOW (KOC = 16830)
ethylene glycol monobutyl ether	HIGH (KOC = 1)

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. 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. Treat and neutralise at an approved treatment plant. Treatment should involve: Neutralisation with suitable dilute acid followed by: burial in a land-fill specifically licenced to accept chemical and / or pharmaceutical wastes or Incineration in a licenced 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

	-
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

Page 12 of 13

Fat and Grease Remover

SECTION 15 REGULATORY INFORMATION

EDTA TETRASODIUM SALT(64-02-8) IS FOUND ON THE FOLLOWING REG	
Australia Hazardous Substance	es Information System - Consolidated Lists	Australia Inventory of Chemical Substances (AICS)
	73-2) IS FOUND ON THE FOLLOWING REGULA	NTORY LISTS
Australia Exposure Standards	73-2) IS I COMP ON THE I CLEOWING RECOLF	Australia Inventory of Chemical Substances (AICS)
	es Information System - Consolidated Lists	
	NIC ACID(27176-87-0) IS FOUND ON THE FOLL	
Australia Hazardous Substance	es Information System - Consolidated Lists	Australia Inventory of Chemical Substances (AICS)
ETHYLENE GLYCOL MONO	BUTYL ETHER(111-76-2) IS FOUND ON THE FO	DLLOWING REGULATORY LISTS
Australia Exposure Standards		Australia Inventory of Chemical Substances (AICS)
Australia Hazardous Substance	es Information System - Consolidated Lists	International Agency for Research on Cancer (IARC) - Agents Classified by the IARC Monographs
SODIUM METASILICATE(134	14-09-8) IS FOUND ON THE FOLLOWING REGU	LATORY LISTS
Australia Inventory of Chemical	Substances (AICS)	
POTASSIUM CARBONATE(5	84-08-7) IS FOUND ON THE FOLLOWING REGI	JLATORY LISTS
	es Information System - Consolidated Lists	Australia Inventory of Chemical Substances (AICS)
Australia Inventory of Chemical		S REGULATORY LISTS
Australia Inventory of Chemical	, ,	S REGULATORY LISTS
Australia Inventory of Chemical	Substances (AICS) TE(1300-72-7) IS FOUND ON THE FOLLOWING	REGULATORY LISTS
Australia Inventory of Chemical SODIUM XYLENESULFONA Australia Hazardous Substance	Substances (AICS) TE(1300-72-7) IS FOUND ON THE FOLLOWING es Information System - Consolidated Lists	REGULATORY LISTS
Australia Inventory of Chemical SODIUM XYLENESULFONAT Australia Hazardous Substance National Inventory	Substances (AICS) TE(1300-72-7) IS FOUND ON THE FOLLOWING as Information System - Consolidated Lists Status	REGULATORY LISTS
Australia Inventory of Chemical SODIUM XYLENESULFONAT Australia Hazardous Substance National Inventory Australia - AICS	Substances (AICS) TE(1300-72-7) IS FOUND ON THE FOLLOWING as Information System - Consolidated Lists Status Y Y Y	REGULATORY LISTS
Australia Inventory of Chemical SODIUM XYLENESULFONAT Australia Hazardous Substance National Inventory Australia - AICS Canada - DSL	Substances (AICS) TE(1300-72-7) IS FOUND ON THE FOLLOWING as Information System - Consolidated Lists Status Y Y Y N (potassium carbonate; sodium metasilicate; so	REGULATORY LISTS REGULATORY LISTS Australia Inventory of Chemical Substances (AICS)
Australia Inventory of Chemical SODIUM XYLENESULFONAT Australia Hazardous Substance National Inventory Australia - AICS Canada - DSL Canada - NDSL	Substances (AICS) TE(1300-72-7) IS FOUND ON THE FOLLOWING as Information System - Consolidated Lists Status Y Y Y N (potassium carbonate; sodium metasilicate; so EDTA tetrasodium salt; sodium hydroxide)	REGULATORY LISTS REGULATORY LISTS Australia Inventory of Chemical Substances (AICS)
Australia Inventory of Chemical SODIUM XYLENESULFONAT Australia Hazardous Substance National Inventory Australia - AICS Canada - DSL Canada - DSL Canada - NDSL China - IECSC Europe - EINEC / ELINCS /	Substances (AICS) TE(1300-72-7) IS FOUND ON THE FOLLOWING as Information System - Consolidated Lists Status Y Y Y N (potassium carbonate; sodium metasilicate; so EDTA tetrasodium salt; sodium hydroxide) Y	REGULATORY LISTS REGULATORY LISTS Australia Inventory of Chemical Substances (AICS)
Australia Inventory of Chemical SODIUM XYLENESULFONAT Australia Hazardous Substance National Inventory Australia - AICS Canada - DSL Canada - NDSL China - IECSC Europe - EINEC / ELINCS / NLP	Substances (AICS) TE(1300-72-7) IS FOUND ON THE FOLLOWING es Information System - Consolidated Lists Status Y Y N (potassium carbonate; sodium metasilicate; so EDTA tetrasodium salt; sodium hydroxide) Y Y Y Y Y Y Y Y Y Y Y Y Y	REGULATORY LISTS REGULATORY LISTS Australia Inventory of Chemical Substances (AICS)
Australia Inventory of Chemical SODIUM XYLENESULFONAT Australia Hazardous Substance National Inventory Australia - AICS Canada - DSL Canada - NDSL China - IECSC Europe - EINEC / ELINCS / NLP Japan - ENCS	Substances (AICS) TE(1300-72-7) IS FOUND ON THE FOLLOWING es Information System - Consolidated Lists Status Y Y Y N (potassium carbonate; sodium metasilicate; so EDTA tetrasodium salt; sodium hydroxide) Y Y Y Y Y Y Y Y Y Y Y Y Y Y Y Y Y Y Y Y Y Y	REGULATORY LISTS REGULATORY LISTS Australia Inventory of Chemical Substances (AICS)
Australia Inventory of Chemical SODIUM XYLENESULFONAT Australia Hazardous Substance National Inventory Australia - AICS Canada - DSL Canada - NDSL China - IECSC Europe - EINEC / ELINCS / NLP Japan - ENCS Korea - KECI	Substances (AICS) TE(1300-72-7) IS FOUND ON THE FOLLOWING es Information System - Consolidated Lists Status Y Y Y N (potassium carbonate; sodium metasilicate; so EDTA tetrasodium salt; sodium hydroxide) Y Y Y Y Y Y Y Y Y Y Y Y Y Y Y Y Y Y Y Y Y Y Y Y Y Y Y Y Y	REGULATORY LISTS REGULATORY LISTS Australia Inventory of Chemical Substances (AICS)
Australia Inventory of Chemical SODIUM XYLENESULFONAT Australia Hazardous Substance National Inventory Australia - AICS Canada - DSL Canada - NDSL Canada - NDSL China - IECSC Europe - EINEC / ELINCS / NLP Japan - ENCS Korea - KECI New Zealand - NZIoC	Substances (AICS) TE(1300-72-7) IS FOUND ON THE FOLLOWING as Information System - Consolidated Lists Y	REGULATORY LISTS REGULATORY LISTS Australia Inventory of Chemical Substances (AICS)

Other information

Ingredients with multiple cas numbers

Name	CAS No
EDTA tetrasodium salt	10378-23-1, 13235-36-4, 194491-31-1, 64-02-8
sodium hydroxide	12200-64-5, 1310-73-2
potassium carbonate	584-08-7, 6381-79-9
sodium xylenesulfonate	1300-72-7, 30587-85-0

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.

A list of reference resources used to assist the committee may be found at:

www.chemwatch.net

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

 $\label{eq:pc-stell} \mathsf{PC-Stell}: \mathsf{Permissible} \ \mathsf{Concentration}\text{-}\mathsf{Short} \ \mathsf{Term} \ \mathsf{Exposure} \ \mathsf{Limit}$

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

This document is copyright. Apart from any fair dealing for the purposes of private study, research, review or criticism, as permitted under the Copyright Act, no part may be reproduced by any process without written permission from CHEMWATCH. TEL (+61 3) 9572 4700.