

Swanzone Pty Ltd

Chemwatch: 5651-74

Version No: 2.1

Safety Data Sheet according to WHS Regulations (Hazardous Chemicals) Amendment 2020 and ADG requirements Safety Data Sheet according to the Health and Safety at Work (Hazardous Substances) Regulations 2017

Chemwatch Hazard Alert Code: 4

lssue Date: **13/12/2023** Print Date: **13/12/2023** S.GHS.AUS/NZ.EN.E

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

Product Identifier

Rel

Product name	Pistol Degreaser
Synonyms	Not Available
Proper shipping name	AEROSOLS
Other means of identification	Not Available
Other means of identification	Not Available

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

evant identified uses	Use according to manufacturer's directions.
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Details of the manufacturer or supplier of the safety data sheet

Registered company name	Swanzone Pty Ltd
Address	36 Logistics Street Keilor Park Victoria 3042 Australia
Telephone	03 9336 2889
Fax	03 9336 2893
Website	Not Available
Email	info@swanzone.com.au

Emergency telephone number

Association / Organisation	CHEMWATCH EMERGENCY RESPONSE AUS (24/7)	CHEMWATCH EMERGENCY RESPONSE NZL (24/7)
Emergency telephone numbers	+61 1800 951 288	+64 800 700 112
Other emergency telephone numbers	+61 3 9573 3188	+61 3 9573 3188

Once connected and if the message is not in your preferred language then please dial 01

SECTION 2 Hazards identification

Classification of the substance or mixture

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

Poisons Schedule	Not Applicable
Classification ^[1]	Aerosols Category 1, Acute Toxicity (Oral) Category 4, Skin Corrosion/Irritation Category 2, Serious Eye Damage/Eye Irritation Category 2A, Specific Target Organ Toxicity - Single Exposure (Narcotic Effects) Category 3, Reproductive Toxicity Category 2, Specific Target Organ Toxicity - Repeated Exposure Category 2, Hazardous to the Aquatic Environment Acute Hazard Category 2, Hazardous to the Aquatic Environment Long-Term Hazard Category 3
Legend:	1. Classified by Chemwatch; 2. Classification drawn from HCIS; 3. Classification drawn from Regulation (EU) No 1272/2008 - Annex VI

Label elements

Hazard pictogram(s)	
Signal word	Danger

Hazard statement(s)

H222+H229	Extremely flammable aerosol. Pressurized container: may burst if heated.
H302	Harmful if swallowed.
H315	Causes skin irritation.
H319	Causes serious eye irritation.
H336	May cause drowsiness or dizziness.
H361fd	Suspected of damaging fertility. Suspected of damaging the unborn child.
H373	May cause damage to organs through prolonged or repeated exposure.
H401	Toxic to aquatic life.
H412	Harmful to aquatic life with long lasting effects.
AUH044	Risk of explosion if heated under confinement.

Precautionary statement(s) Prevention

P201	Obtain special instructions before use.
P210	Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking.
P211	Do not spray on an open flame or other ignition source.
P251	Do not pierce or burn, even after use.
P260	Do not breathe mist/vapours/spray.
P271	Use only outdoors or in a well-ventilated area.
P280	Wear protective gloves, protective clothing, eye protection and face protection.
P264	Wash all exposed external body areas thoroughly after handling.
P270	Do not eat, drink or smoke when using this product.
P273	Avoid release to the environment.

Precautionary statement(s) Response

P308+P313	IF exposed or concerned: Get medical advice/ attention.
P305+P351+P338	IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.
P337+P313	If eye irritation persists: Get medical advice/attention.
P301+P312	IF SWALLOWED: Call a POISON CENTER/doctor/physician/first aider if you feel unwell.
P302+P352	IF ON SKIN: Wash with plenty of water.
P304+P340	IF INHALED: Remove person to fresh air and keep comfortable for breathing.
P330	Rinse mouth.
P332+P313	If skin irritation occurs: Get medical advice/attention.
P362+P364	Take off contaminated clothing and wash it before reuse.

Precautionary statement(s) Storage

P405	Store locked up.
P410+P412	Protect from sunlight. Do not expose to temperatures exceeding 50 °C/122 °F.
P403+P233	Store in a well-ventilated place. Keep container tightly closed.

Precautionary statement(s) Disposal

P501 Dispose of contents/container to authorised hazardous or special waste collection point in accordance with any local regulation.

Considered a Hazardous Substance according to the criteria of the New Zealand Hazardous Substances New Organisms legislation. Classified as Dangerous Goods for transport purposes.

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Legend:	1. Classified by Chernwatch; 2. Classification drawn from CCID EPA NZ; 3. Classification drawn from Regulation (EU) No 1272/2008 - Annex VI
Determined by Chemwatch using GHS/HSNO criteria	2.1.2A, 6.1D (oral), 6.3A, 6.4A, 6.9B (narcotic effects), 9.1C

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SECTION 3 Composition / information on ingredients

Substances

See section below for composition of Mixtures

Mixtures

CAS No	%[weight]	Name
68131-39-5	10-15	alcohols C12-15 ethoxylated
64742-94-5	10-15	solvent naphtha petroleum, heavy aromatic
111-76-2	8-10	ethylene glycol monobutyl ether
7732-18-5	55-65	water
68476-85-7.	10-25	hydrocarbon propellant
Legend:	1. Classified by Chemwatch; 2. C 4. Classification drawn from C&L	lassification drawn from CCID EPA NZ; 3. Classification drawn from Regulation (EU) No 1272/2008 - Annex VI; * EU IOELVs available

SECTION 4 First aid measures

Description of first aid measures		
Eye Contact	 If aerosols come in contact with the eyes: Immediately hold the eyelids apart and flush the eye continuously for at least 15 minutes 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. 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 solids or aerosol mists are deposited upon the skin: Flush skin and hair with running water (and soap if available). Remove any adhering solids with industrial skin cleansing cream. DO NOT use solvents. Seek medical attention in the event of irritation.
Inhalation	 If aerosols, fumes or combustion products are inhaled: Remove to fresh air. 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. If breathing is shallow or has stopped, ensure clear airway and apply resuscitation, preferably with a demand valve resuscitator, bag-valve mask device, or pocket mask as trained. Perform CPR if necessary. Transport to hospital, or doctor.
Ingestion	Not considered a normal route of entry.

Indication of any immediate medical attention and special treatment needed

Followed acute or short term repeated exposures to ethylene glycol monoalkyl ethers and their acetates:

Hepatic metabolism produces ethylene glycol as a metabolite.

Clinical presentation, following severe intoxication, resembles that of ethylene glycol exposures.

Monitoring the urinary excretion of the alkoxyacetic acid metabolites may be a useful indication of exposure.

[Ellenhorn and Barceloux: Medical Toxicology]

For petroleum distillates

· In case of ingestion, gastric lavage with activated charcoal can be used promptly to prevent absorption - decontamination (induced emesis or lavage) is controversial and should be considered on the merits of each individual case; of course the usual precautions of an endotracheal tube should be considered prior to lavage, to prevent aspiration.

· Individuals intoxicated by petroleum distillates should be hospitalized immediately, with acute and continuing attention to neurologic and cardiopulmonary function

Positive pressure ventilation may be necessary.

· Acute central nervous system signs and symptoms may result from large ingestions of aspiration-induced hypoxia.

· After the initial episode, individuals should be followed for changes in blood variables and the delayed appearance of pulmonary oedema and chemical pneumonitis. Such patients should be followed for several days or weeks for delayed effects, including bone marrow toxicity, hepatic and renal impairment Individuals with chronic pulmonary disease will be more seriously impaired, and recovery from inhalation exposure may be complicated.

· Gastrointestinal symptoms are usually minor and pathological changes of the liver and kidneys are reported to be uncommon in acute intoxications.

· Chlorinated and non-chlorinated hydrocarbons may sensitize the heart to epinephrine and other circulating catecholamines so that arrhythmias may occur. Careful consideration of this potential adverse effect should precede administration of epinephrine or other cardiac stimulants and the selection of bronchodilators.

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

SECTION 5 Firefighting measures

Extinguishing media SMALL FIRE:

 Water spray, dry chemical or CO2 LARGE FIRE: Water spray or fog.

Fire Incompatibility

Special hazards arising from the substrate or mixture

Advice for firefighters	
Fire Fighting	 Alert Fire Brigade and tell them location and nature of hazard. May be violently or explosively reactive. Wear breathing apparatus plus protective gloves. Prevent, by any means available, spillage from entering drains or water course. If safe, switch off electrical equipment until vapour fire hazard removed. 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 from path of fire. If safe to do so, remove containers from path of fire. Equipment should be thoroughly decontaminated after use.
Fire/Explosion Hazard	 Liquid and vapour are highly flammable. Severe fire hazard when exposed to heat or flame. Vapour forms an explosive mixture with air. Severe explosion hazard, in the form of vapour, when exposed to flame or spark. Vapour may travel a considerable distance to source of ignition. Heating may cause expansion or decomposition with violent container rupture. Aerosol cans may explode on exposure to naked flames. Rupturing containers may rocket and scatter burning materials. Hazards may not be restricted to pressure effects. May emit acrid, poisonous or corrosive fumes.

Avoid contamination with oxidising agents i.e. nitrates, oxidising acids, chlorine bleaches, pool chlorine etc. as ignition may result

 On combustion, may emit toxic fumes of carbon monoxide (CO). Combustion products include:
carbon monoxide (CO) carbon dioxide (CO2)
other pyrolysis products typical of burning organic material.

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. Wear protective clothing, impervious gloves and safety glasses. Shut off all possible sources of ignition and increase ventilation. Wipe up. If safe, damaged cans should be placed in a container outdoors, away from all ignition sources, until pressure has dissipated. Undamaged cans should be gathered and stowed safely.
Major Spills	 Clear area of personnel and move upwind. Alert Fire Brigade and tell them location and nature of hazard. May be violently or explosively reactive. Wear breathing apparatus plus protective gloves. Prevent, by any means available, spillage from entering drains or water courses No smoking, naked lights or ignition sources. Increase ventilation. Stop leak if safe to do so. Water spray or fog may be used to disperse / absorb vapour. Absorb or cover spill with sand, earth, inert materials or vermiculite. If safe, damaged cans should be placed in a container outdoors, away from ignition sources, until pressure has dissipated. Undamaged cans should be gathered and stowed safely. Collect residues and seal in labelled drums for disposal.

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

SECTION 7 Handling and storage

Precautions for safe handling

Safe handling	The conductivity of this material may make it a static accumulator., A liquid is typically considered nonconductive if its conductivity is below 100 pS/m and is considered semi-conductive if its conductivity is below 10 000 pS/m., Whether a liquid is nonconductive or semi-conductive, the precautions are the same., A number of factors, for example liquid temperature, presence of contaminants, and anti-static additives can greatly influence the conductivity of a liquid. 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. Avoid smoking, naked lights or ignition sources. Avoid somoking, naked lights or ignition sources. Motion tract with incompatible materials. When handling, DO NOT eat, drink or smoke. DO NOT incinerate or puncture aerosol cans. DO NOT spray directly on humans, exposed food or food utensils. Avoid physical damage to containers. Always wash hands with soap and water after handling. Work clothes should be laundered separately. Use good occupational work practice. Observe manufacturer's storage and handling recommendations contained within this SDS. Atmosphere should be regularly checked against established exposure standards to ensure safe working conditions are maintained.
Other information	 Keep dry to avoid corrosion of cans. Corrosion may result in container perforation and internal pressure may eject contents of can Store in original containers in approved flammable liquid storage area. DO NOT store in pits, depressions, basements or areas where vapours may be trapped. No smoking, naked lights, heat or ignition sources. Keep containers securely sealed. Contents under pressure. Store away from incompatible materials. Store in a cool, dry, well ventilated area. Avoid storage at temperatures higher than 40 deg C. Store in an upright position. Protect containers against physical damage. Check regularly for spills and leaks. Observe manufacturer's storage and handling recommendations contained within this SDS.

Conditions for safe storage, including any incompatibilities

Suitable container	 Aerosol dispenser. Check that containers are clearly labelled. 	
Storage incompatibility	Avoid reaction with oxidising agents	

SECTION 8 Exposure controls / personal protection

Control parameters

Occupational Exposure Limits (OEL)

INGREDIENT DATA									
Source	Ingredient	Material na	me	TWA		STEL		Peak	Notes
Australia Exposure Standards	ethylene glycol monobutyl ether 2-Butoxyetha		anol	20 ppm / 96.9 mg/m3		242 mg/m3 / 50 ppm		Not Available	Not Available
New Zealand Workplace Exposure Standards (WES)	ethylene glycol monobutyl ether	2-Butoxyethatether)	anol (Butyl glycol	25 ppm / mg/m3	121	Not Ava	ailable	Not Available	(skin) - Skin absorption
Australia Exposure Standards	hydrocarbon propellant	LPG (liquifie	d petroleum gas)	1000 ppi mg/m3	m / 1800	1800 Not Available		Not Available	Not Available
New Zealand Workplace Exposure Standards (WES)	hydrocarbon propellant	LPG (Liquefi gas)	ied petroleum	1000 ppi mg/m3	m / 1800	Not Ava	ailable	Not Available	Not Available
Emergency Limits									
Ingredient	TEEL-1		TEEL-2				TEEL-3		
ethylene glycol monobutyl ether	60 ppm		120 ppm		700 ppm				
hydrocarbon propellant	65,000 ppm		2.30E+05 ppm	2.30E+05 ppm		4.00E+05 ppm			
Ingredient	Original IDLH		Revised II	Revised IDLH					
alcohols C12-15 ethoxylated	Not Available		Not Availa	ble					
solvent naphtha petroleum, heavy aromatic	Not Available		Not Available						
ethylene glycol monobutyl ether	700 ppm				Not Available				
water	Not Available				Not Available				
hydrocarbon propellant	2,000 ppm			Not Available					
Occupational Exposure Banding									
Ingredient	Occupational Exposure Band Rating Occupational Exposure Band Limit								
alcohols C12-15 ethoxylated	E			≤ 0.1 ppm					
Notes:	Votes: Occupational exposure banding is a process of assigning chemicals into specific categories or bands based on a chemical's potency and the adverse health outcomes associated with exposure. The output of this process is an occupational exposure band (OEB), which corresponds to a range of exposure concentrations that are expected to protect worker health.			s potency and the hich corresponds to a					

Exposure controls

Exposure controlo				
	Engineering controls are used to remove a hazard or place a be highly effective in protecting workers and will typically be The basic types of engineering controls are: Process controls which involve changing the way a job activi Enclosure and/or isolation of emission source which keeps a "adds" and "removes" air in the work environment. Ventilation ventilation system must match the particular process and che Employers may need to use multiple types of controls to prev General exhaust is adequate under normal conditions. If risk obtain adequate protection. Provide adequate ventilation in warehouse or closed storage Air contaminants generated in the workplace possess varying circulating air required to effectively remove the contaminant	a barrier between the worker and the hazard. Well-de independent of worker interactions to provide this his ty or process is done to reduce the risk. selected hazard "physically" away from the worker a n can remove or dilute an air contaminant if designer emical or contaminant in use. vent employee overexposure. of overexposure exists, wear SAA approved respira a raeas. g "escape" velocities which, in turn, determine the "c	esigned engineering controls can gh level of protection. and ventilation that strategically d properly. The design of a tor. Correct fit is essential to eapture velocities" of fresh	
	Type of Contaminant:		Speed:	
Appropriate engineering	aerosols, (released at low velocity into zone of active gene	0.5-1 m/s		
controls	direct spray, spray painting in shallow booths, gas discharg	ge (active generation into zone of rapid air motion)	1-2.5 m/s (200-500 f/min.)	
	Within each range the appropriate value depends on:			
	Lower end of the range	Upper end of the range		
	1: Room air currents minimal or favourable to capture	1: Disturbing room air currents		
	2: Contaminants of low toxicity or of nuisance value only.	2: Contaminants of high toxicity		
	3: Intermittent, low production.	3: Intermittent, low production. 3: High production, heavy use		
	4: Large hood or large air mass in motion	4: Small hood-local control only		
Simple theory shows that air velocity falls rapidly with distance away from the opening of a simple extraction pipe. Velocity gen with the square of distance from the extraction point (in simple cases). Therefore the air speed at the extraction point should be accordingly, after reference to distance from the contaminating source. The air velocity at the extraction fan, for example, shou 1-2 m/s (200-400 f/min.) for extraction of solvents generated in a tank 2 meters distant from the extraction point. Other mechar considerations, producing performance deficits within the extraction apparatus, make it essential that theoretical air velocities a factors of 10 or more when extraction systems are installed or used.			 Velocity generally decreases point should be adjusted, example, should be a minimum of Other mechanical air velocities are multiplied by 	
Individual protection				

s, such as person protective equipment



Eye and face protection	 No special equipment for minor exposure i.e. when handling bulk-quantities. No special equipment for minor exposure i.e. when handling bulk-quantities. No THERWISE: For potentially moderate or heavy exposures: Safety glasses with side shields. Contact lenses pose a special hazard; soft lenses may absorb and concentrate irritants. A written policy document, describing stafety agas with side shields. Contact lenses with side shields. Contact lenses or restrictions on use, should be readily available. In the event of chemical agogles or entities of the soft of the stafety agas may replace 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 removed in a clean environment only after workers have washed hands thoroughly. [CDC NIOSH Current Intelligence Bulletin 59]. No special equipment for minor exposure i.e. when handling small quantities. Contact lenses pose a special hazard; soft lenses may absorb and concentrate irritants. A written policy document, describing the wearing of lenses or restrictions on use, should be removed at the first signs of ever endenses or irritation - lens should be removed in a clean environment only after workers have washed hands thoroughly. [CDC NIOSH Current Intelligence Bulletin 59]. No the protectial prote
Skin protection	See Hand protection below
Hands/feet protection	 Elbow length PVC gloves 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	No special equipment needed when handling small quantities. OTHERWISE: • Overalls. • Skin cleansing cream. • Eyewash unit. • Do not spray on hot surfaces.

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: Pistol Degreaser

Material	CPI
BUTYL	A
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.

Respiratory protection

Type AX-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	AX-AUS P2	-	AX-PAPR-AUS / Class 1 P2
up to 50 x ES	-	AX-AUS / Class 1 P2	-
up to 100 x ES	-	AX-2 P2	AX-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)

- 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.
- Cartridge performance is affected by humidity. Cartridges should be changed after 2 hr of continuous use unless it is determined that the humidity is less than 75%, in which case, cartridges can be used for 4 hr. Used cartridges should be discarded daily, regardless of the length of time used

Aerosols, in common with most vapours/ mists, should never be used in confined spaces without adequate ventilation. Aerosols, containing agents designed to enhance or mask smell, have triggered allergic reactions in predisposed individuals.

SECTION 9 Physical and chemical properties

Appearance	Yellow liquid with stimulating odour; mixes with water.		
Dhusiaal state		Deleting demoits (Mater 4)	0.005 @000
Physical state	Liquid	Relative density (water = 1)	0.985 @200
Odour	Not Available	Partition coefficient n-octanol / water	Not Available
Odour threshold	Not Available	Auto-ignition temperature (°C)	>462
pH (as supplied)	8-11	Decomposition temperature (°C)	Not Available
Melting point / freezing point (°C)	Not Applicable	Viscosity (cSt)	Not Available
Initial boiling point and boiling range (°C)	>105	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 Available
Lower Explosive Limit (%)	Not Available	Volatile Component (%vol)	Not Available
Vapour pressure (kPa)	Not Available	Gas group	Not Available
Solubility in water	Miscible	pH as a solution (1%)	Not Available
Vapour density (Air = 1)	Not Available	VOC g/L	Not Available

SECTION 10 Stability and reactivity

Reactivity	See section 7
Chemical stability	 Elevated temperatures. Presence of open flame. 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	Inhalation of vapours may cause drowsiness and dizziness. This may be accompanied by sleepiness, reduced alertness, loss of reflexes, lack of co-ordination, and vertigo. Inhaling high concentrations of mixed hydrocarbons can cause narcosis, with nausea, vomiting and lightheadedness. Low molecular weight (C2-C12) hydrocarbons can irritate mucous membranes and cause incoordination, giddiness, nausea, vertigo, confusion, headache, appetite loss, drowsiness, tremors and stupor. Central nervous system (CNS) depression may include general discomfort, symptoms of giddiness, headache, dizziness, nausea, anaesthetic effects, slowed reaction time, slurred speech and may progress to unconsciousness. Serious poisonings may result in respiratory depression and may be fatal. WARNING:Intentional misuse by concentrating/inhaling contents may be lethal.
Ingestion	Accidental ingestion of the material may be harmful; animal experiments indicate that ingestion of less than 150 gram may be fatal or may produce serious damage to the health of the individual. Not normally a hazard due to physical form of product. Considered an unlikely route of entry in commercial/industrial environments
Skin Contact	This material can cause inflammation of the skin on contact in some persons. The material may accentuate any pre-existing dermatitis condition Repeated exposure may cause skin cracking, flaking or drying following normal handling and use. Spray mist may produce discomfort 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. Skin contact with the material may damage the health of the individual; systemic effects may result following absorption.
Eye	Not considered to be a risk because of the extreme volatility of the gas. This material can cause eye irritation and damage in some persons.
Chronic	This material can cause serious damage if one is exposed to it for long periods. It can be assumed that it contains a substance which can produce severe defects. Ample evidence from experiments exists that there is a suspicion this material directly reduces fertility. Based on experience with animal studies, exposure to the material may result in toxic effects to the development of the foetus, at levels which do not cause significant toxic effects to the mother. Prolonged or repeated skin contact may cause drying with cracking, irritation and possible dermatitis following.

	Substance accumulation, in the human body, may occur and ma There is limited evidence that, skin contact with this product is r general population. Constant or exposure over long periods to mixed hydrocarbons and anaemia, and reduced liver and kidney function. Skin expo Main route of exposure to the gas in the workplace is by inhalat Prolonged or repeated skin contact may cause degreasing, folk	ay cause some concern following repeated or long-term occupational exposure. nore likely to cause a sensitisation reaction in some persons compared to the may produce stupor with dizziness, weakness and visual disturbance, weight loss sure may result in drying and cracking and redness of the skin. ion. weed by drying, cracking and skin inflammation.
	Harmful: danger of serious damage to health by prolonged expo	osure through inhalation, in contact with skin and if swallowed.
	τοχιςιτγ	IRRITATION
Pistol Degreaser	Not Available	Not Available
alaphala C12 15 otherwlated	Oral (Pat) D50: 1600 mg/kg[2]	Eye: SEVERE *
alcohois C12-15 ethoxylated		EVE. SEVERE
		Skin: slight
	ΤΟΧΙΟΙΤΥ	IRRITATION
solvent naphtha petroleum,	Dermal (rabbit) LD50: >2000 mg/kg ^[2]	Eye (rabbit): Irritating [PETROFIN]
heavy aromatic	Inhalation(Rat) LC50: >0.003 mg/L4h ^[1]	Eye: no adverse effect observed (not irritating) ^[1]
	Oral (Rat) LD50: >2000 mg/kg ^[1]	Skin: adverse effect observed (irritating) ^[1]
	ΤΟΧΙΟΙΤΥ	IRRITATION
	dermal (guinea pig) LD50: 210 mg/kg ^[2]	Eye (rabbit): 100 mg SEVERE * [Union Carbide]
	Inhalation(Rat) LC50: 450 ppm4h ^[2]	Eye (rabbit): 100 mg/24h-moderate
ethylene glycol monobutyl	Oral (Rat) LD50: 250 mg/kg ^[2]	Eye: adverse effect observed (irritating) ^[1]
etilei		Skin (rabbit): 500 mg, open; mild
		Skin: adverse effect observed (irritating) ^[1]
		Skin: no adverse effect observed (not irritating) ^[1]
	τονιατχ	
water	Oral (Bat) D50: >90000 mg/kg ^[2]	Not Available
hydrocarbon propellant	ΤΟΧΙΟΙΤΥ	IRRITATION
	Inhalation(Rat) LC50: 658 mg/l4h ^[2]	Not Available
Legend:	1. Value obtained from Europe ECHA Registered Substances - specified data extracted from RTECS - Register of Toxic Effect	Acute toxicity 2. Value obtained from manufacturer's SDS. Unless otherwise of chemical Substances
ALCOHOLS C12-15 ETHOXYLATED	for Tergitol 25-L-9: Neodol 25-9 Neodol 25-7 *Shell Canada ** H Polyethers (such as ethoxylated surfactants and polyethylene g mixtures of oxidation products. Animal testing reveals that whole the pure, non-oxidised surfact oxidization products also cause irritation. Humans have regular contact with alcohol ethoxylates through a cleaning products. Exposure to these chemicals can occur throi toxicity show that relatively high volumes would have to occur to has ever been reported. Studies show that alcohol ethoxylates is Animal studies show these chemicals may produce gastrointesi severe irritation occurred when undiluted alcohol ethoyxlates w of genetic toxicity or potential to cause mutations and cancers. Some of the oxidation products of this group of substances may As they cause less irritation, nonionic surfactants are often pref- auto-oxidise also increases their irritation. Due to their irritating Both laboratory and animal testing has shown that there is no e cancer. No adverse reproductive or developmental effects were Tri-ethylene glycol ethers undergo enzymatic oxidation to toxic cause depressed reflexes, flaccid muscle tone, breathing difficu exposure may cause dose dependent damage to the kidneys as	Juntsman (for Teric 12A9) Jlycols) are highly susceptible to being oxidized in the air. They then form complex tant is non-sensitizing, many of the oxidation products are sensitisers. The a variety of industrial and consumer products such as soaps, detergents and other ugh swallowing, inhalation, or contact with the skin or eyes. Studies of acute o produce any toxic response. No death due to poisoning with alcohol ethoxylates have low toxicity through swallowing and skin contact. tinal irritation, stomach ulcers, hair standing up, diarrhea and lethargy. Slight to vere applied to the skin and eyes of animals. These chemicals show no indication Toxicity is thought to be substantially lower than that of nonylphenol ethoxylates. <i>y</i> have sensitizing properties. erred to ionic surfactants in topical products. However, their tendency to effect it is difficult to diagnose allergic contact dermatitis (ACD) by patch testing. vidence for alcohol ethoxylates (AEs) causing genetic damage, mutations or observed. alkoxy acids. They may irritate the skin and the eyes. At high oral doses, they may ifly and coma. Death may result in experimental animal. However, repeated s well as reproductive and developmental defects.
SOLVENT NAPHTHA PETROLEUM, HEAVY AROMATIC	Animal studies indicate that normal, branched and cyclic paraffi n-paraffins is inversely proportional to the carbon chain length, be present in mineral oil, n-paraffins may be absorbed to a grea The major classes of hydrocarbons are well absorbed into the <u>c</u> hydrocarbons are ingested in association with fats in the diet. S gut lymph, but most hydrocarbons partly separate from fats and determining the proportion of hydrocarbon that becomes availal or the liver. Petroleum contains aromatic (benzene, toluene, ethyl benzene, detrimental health effects, including, cancer, tumour formation, Animal testing shows breathing in petroleum causes tumours of	ns are absorbed from the gastrointestinal tract and that the absorption of with little absorption above C30. With respect to the carbon chain lengths likely to the extent than iso- or cyclo-paraffins. gastrointestinal tract in various species. In many cases, the hydrophobic ome hydrocarbons may appear unchanged as in the lipoprotein particles in the l undergo metabolism in the gut cell. The gut cell may play a major role in ble to be deposited unchanged in peripheral tissues such as in the body fat stores napthalene) and aliphatic hydrocarbons (n-hexane), which can result in many hearing loss, and nervous system toxicity. If the liver and kidney; these are however not considered to be relevant in humans.

ETHYLENE GLYCOL MONOBUTYL ETHER	 Similarly, exposure to gasoline over a lifetime can cause kidney cancer in animals, but the nost studies involving gasoline have shown that gasoline does not cause genetic mutation, (such as in petrol service station attendants). Animal studies show concentrations of toluene (>0.1%) can cause developmental effects su the nervous system of the foetus. Other studies show no adverse effects on the foetus. Prolonged contact with petroleum may result in skin inflammation and make the skin more simaterials. NOTE: Changes in kidney, liver, spleen and lungs are observed in animals exposed to high ASCC (NZ) SDS The material may cause skin irritation after prolonged or repeated exposure and may produvesicles, 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 (EGHE) and their acetates. EGMAEs are substrates for alcohol dehydrogenase isozyme ADH-3, which catalyzes the convence of the adehydre of the perdominant urinary metabolites of mono substituted glycol ethers. Acute Toxicity: Cral LDSO values in rats for all category members range from 739 (EGHE) with decreasing molecular weight. Four to six hour acute inhalation toxicity studies were corvapour concentrations practically achievable. Values range from LCO > 85 pm (508 mg/m3 EGBEA to LCSO > 213 zpm (906 mg/m3) for EGPE. No lethality was observed for any of values in rabbits range from 435 mg/kg bw (EGBE) to 1500 mg/kg bw (EGBEA). Overall the to moderate acute toxicity, All category members categoric acid (BAA), are not toxicity in humans deliberately ingesting cleaning fluids containing 9-22% EGBE are similar and non-specific CA Alkoxyacetic acid metabolites, propoxyacetic acid (EAA) and butoxyacetic acid and tabbits are datid splayed similar responses, which included erythrocyte swelling (increased heavalbito ac	elevance in humans is questionable. including all recent studies in living human subjects inch as lower birth weight and developmental toxicity to sensitive to irritation and penetration by other concentrations of this substance by all routes. ** ce on contact skin redness, swelling, the production of col butyl ether (EGBE) and ethylene glycol hexyl ether proversion of their terminal alcohols to aldehydes ehydrogenase produces alkoxyacetic acids, which are to 3089 mg/kg bw (EGPE), with values increasing nducted for these chemicals in rats at the highest of FGHE, LC50 > 400ppm (2620 mg/m3) for these materials under these conditions. Dermal LD50 use category members can be considered to be of low with EGBEA less irritating and EGHE more irritating mals or humans. Signs of acute toxicity in rats, mice to deells of humans are many-fold more resistant to the human cases, it is not clear if this was due to do cells of humans are many-fold more resistant to than that of EGPE is consistent with red blood cells poons were sensitive to the effects of BAA <i>in vitro</i> and d mean corpuscular hemoglobin), followed by molysis by BAA <i>in vitro</i> . for mutagenicity in Ames tests conducted in S. strains TA98, TA100, TA1535, TA1537 and TA1538. e Hamster Ovary Cells with and without metabolic ing that these glycol ethers are not genotoxic. E in rats and mice a significant increase in the female mice. It was decided that based on the mode I toxicity studies indicate that the glycol ethers in this ental toxicity is secondary to maternal toxicity. The e members of this category are not associated with station periods on EGPE (rabbits -125, 50, 100, 200 ppm mg/m3), EGBE (rat and rabbit - 25, 50, 100, 200 ppm 48, or 474 mg/m3) indicate that the members of the GPE), 100 ppm or 425 mg/m3 (rat-EGPE), 50 ppm or m or 474 mg/m3 (rat and rabbit-EGHE). to both the mother and the embryo. Reproductive a thought that in animals butoxyethanol may cause of some cancers, including liver cancer.	
HYDROCARBON PROPELLANT	inhalation of the gas		
ALCOHOLS C12-15 ETHOXYLATED & 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.		
WATER & HYDROCARBON PROPELLANT	No significant acute toxicological data identified in literature search.		
Acute Toxicity	✓ Carcinogenicity	×	
Skin Irritation/Corrosion	✓ Reproductivity	×	
Serious Eye Damage/Irritation	× STOT - Single Exposure	×	
Respiratory or Skin sensitisation	× STOT - Repeated Exposure	×	
Mutagenicity	× Aspiration Hazard	×	

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

SECTION 12 Ecological information

Toxicity

	Endpoint	Test Duration (hr)	Species	Value	Source
Pistol Degreaser	Not Available	Not Available	Not Available	Not Available	Not Available

Pistol	Degreaser
--------	-----------

	Endpoint	Test Duration (hr)	Sp	Species			Source
	EC50	72h	Alg	Algae or other aquatic plants		0.031mg/l	
	EC50	48h	Cr	Crustacea		0.143mg/l	
alconois C12-15 ethoxylated	EC50	96h	Alg	gae or other aquatic plants	0.7mg/l		4
	LC50	96h	Fis	sh	>=0.42	>=0.423<=8.211mg/l	
	NOEC(ECx)	72h	Alg	gae or other aquatic plants	0.013m	0.013mg/l	
	Endpoint	Test Duration (hr)		Species		Value	Source
	EC50	72h		Algae or other aquatic plants		<1mg/l	1
	EC50	48h		Crustacea		0.95mg/l	1
solvent naphtha petroleum, heavy aromatic	EC50	96h		Algae or other aquatic plants		11.7mg/l	2
	LC50	96h		Fish		2-5mg/l	Not Available
	EC50(ECx)	48h Crustacea			0.95mg/l	1	
	Endpoint	Test Duration (hr)		Species		Value	Source
	EC50	72h		Algae or other aquatic plants		623mg/l	2
	EC50	48h		Crustacea		164mg/l	2
ethylene glycol monobutyl ether	EC50	96h		Algae or other aquatic plants		720mg/l	2
	LC50	96h		Fish		1700mg/l	Not Available
	EC10(ECx)	48h		Crustacea		7.2mg/l	2
	Endpoint	Test Duration (hr)		Species		Value	Source
water	Not Available	Not Available		Not Available		Not Available	Not Available
	Endpoint	Test Duration (hr)		Species		Value	Source
hadronak an anan 11au t	EC50	96h		Algae or other aquatic plants		7.71mg/l	2
nydrocarbon propellant	LC50	96h		Fish		24.11mg/l	2
	EC50(ECy)	96h		Algae or other aquatic plants		7.71ma/l	2

DO NOT discharge into sewer or waterways.

Toxic to aquatic organisms.

Harmful to aquatic organisms, may cause long-term adverse effects in the aquatic environment.

Persistence and degradability

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

Bioaccumulative potential

Ingredient	Bioaccumulation
solvent naphtha petroleum, heavy aromatic	LOW (BCF = 159)
ethylene glycol monobutyl ether	LOW (BCF = 2.51)

Mobility in soil

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

SECTION 13 Disposal considerations

Waste treatment methods	
Product / Packaging disposal	 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. Consult State Land Waste Management Authority for disposal. Discharge contents of damaged aerosol cans at an approved site. Allow small quantities to evaporate. DO NOT incinerate or puncture aerosol cans. Bury residues and emptied aerosol cans at an approved site.

Ensure that the hazardous substance is disposed in accordance with the Hazardous Substances (Disposal) Notice 2017

Disposal Requirements

Packages that have been in direct contact with the hazardous substance must be only disposed if the hazardous substance was appropriately removed and cleaned out from the package. The package must be disposed according to the manufacturer's directions taking into account the material it is made of. Packages which hazardous content have been appropriately treated and removed may be recycled.

The hazardous substance must only be disposed if it has been treated by a method that changed the characteristics or composition of the substance and it is no longer hazardous. DO NOT deposit the hazardous substance into or onto a landfill or a sewage facility.

Burning the hazardous substance must happen under controlled conditions with no person or place exposed to

(1) a blast overpressure of more than 9 kPa; or

(2) an unsafe level of heat radiation.

The disposed hazardous substance must not come into contact with class 1 or 5 substances.

SECTION 14 Transport information

Labels Required



Land transport (ADG)

14.1. UN number or ID number	1950	1950		
14.2. UN proper shipping name	AEROSOLS			
14.3. Transport hazard class(es)	Class Subsidiary Hazard	2.1 Not Applicable		
14.4. Packing group	Not Applicable			
14.5. Environmental hazard	Not Applicable			
14.6. Special precautions for user	Special provisions Limited quantity	63 190 277 327 344 381 1000ml		

Land transport (UN)

14.1. UN number or ID number	1950		
14.2. UN proper shipping name	AEROSOLS		
14.3. Transport hazard class(es)	Class Subsidiary Hazard	2.1 Not Applicable	
14.4. Packing group	Not Applicable		
14.5. Environmental hazard	Not Applicable		
14.6. Special precautions for user	Special provisions	63; 190; 277; 327; 344; 381 1000ml	

Air transport (ICAO-IATA / DGR)

14.1. UN number	1950			
14.2. UN proper shipping name	Aerosols, flammable			
14.3. Transport hazard class(es)	ICAO/IATA Class	2.1		
	ERG Code	10L		
14.4. Packing group	Not Applicable			
14.5. Environmental hazard	Not Applicable			
14.6. Special precautions for user	for Special provisions Cargo Only Packing Instructions Cargo Only Maximum Qty / Pack		A145 A167 A802 203 150 kg	
		STRUCTIONS	203	

Passenger and Cargo Maximum Qty / Pack	75 kg
Passenger and Cargo Limited Quantity Packing Instructions	Y203
Passenger and Cargo Limited Maximum Qty / Pack	30 kg G

Sea transport (IMDG-Code / GGVSee)

14.1. UN number	1950		
14.2. UN proper shipping name	AEROSOLS		
14.3. Transport hazard class(es)	IMDG Class IMDG Subsidiary Haza	2.1 ard Not Applicable	
14.4. Packing group	Not Applicable		
14.5 Environmental hazard	Not Applicable		
14.6. Special precautions for user	EMS Number Special provisions Limited Quantities	F-D, S-U 63 190 277 327 344 381 959 1000 ml	

14.7.1. Transport in bulk according to Annex II of MARPOL and the IBC code

Not Applicable

14.7.2. Transport in bulk in accordance with MARPOL Annex V and the IMSBC Code

Product name	Group
alcohols C12-15 ethoxylated	Not Available
solvent naphtha petroleum, heavy aromatic	Not Available
ethylene glycol monobutyl ether	Not Available
water	Not Available
hydrocarbon propellant	Not Available

14.7.3. Transport in bulk in accordance with the IGC Code

Product name	Ship Type
alcohols C12-15 ethoxylated	Not Available
solvent naphtha petroleum, heavy aromatic	Not Available
ethylene glycol monobutyl ether	Not Available
water	Not Available
hydrocarbon propellant	Not Available

SECTION 15 Regulatory information

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

This substance is to be managed using the conditions specified in an applicable Group Standard

HSR Number	Group Standard
HSR002515	Aerosols Flammable Group Standard 2020

Please refer to Section 8 of the SDS for any applicable tolerable exposure limit or Section 12 for environmental exposure limit.

alcohols C12-15 ethoxylated is found on the following regulatory lists

Australia Hazardous Chemical Information System (HCIS) - Hazardous Chemicals

Australian Inventory of Industrial Chemicals (AIIC)

New Zealand Hazardous Substances and New Organisms (HSNO) Act - Classification of Chemicals

New Zealand Hazardous Substances and New Organisms (HSNO) Act - Classification of Chemicals - Classification Data

New Zealand Inventory of Chemicals (NZIoC)

New Zealand Land Transport Rule: Dangerous Goods 2005 - Schedule 1 Quantity limits for dangerous goods

solvent naphtha petroleum, heavy aromatic is found on the following regulatory lists

Australia Hazardous Chemical Information System (HCIS) - Hazardous Chemicals

Australian Inventory of Industrial Chemicals (AIIC)

International Agency for Research on Cancer (IARC) - Agents Classified by the IARC Monographs - Not Classified as Carcinogenic New Zealand Inventory of Chemicals (NZIoC)

New Zealand Land Transport Rule: Dangerous Goods 2005 - Schedule 1 Quantity limits for dangerous goods

ethylene glycol monobutyl ether is found on the following regulatory lists

Australia Hazardous Chemical Information System (HCIS) - Hazardous Chemicals Australia Standard for the Uniform Scheduling of Medicines and Poisons (SUSMP) - Schedule 6

Australian Inventory of Industrial Chemicals (AIIC)	
International Agency for Research on Cancer (IARC) - Agents Classified by the IARC Monographs - Not Classified as Carcinogenic	
New Zealand Approved Hazardous Substances with controls	
New Zealand Hazardous Substances and New Organisms (HSNO) Act - Classification of Chemicals	
New Zealand Hazardous Substances and New Organisms (HSNO) Act - Classification of Chemicals - Classification Data	
New Zealand Inventory of Chemicals (NZIoC)	
New Zealand Workplace Exposure Standards (WES)	
water is found on the following regulatory lists	
Australian Inventory of Industrial Chemicals (AIIC)	
New Zealand Inventory of Chemicals (NZIoC)	
hydrocarbon propellant is found on the following regulatory lists	
Australia Hazardous Chemical Information System (HCIS) - Hazardous Chemicals	
Australian Inventory of Industrial Chemicals (AIIC)	
Chemical Footprint Project - Chemicals of High Concern List	
New Zealand Approved Hazardous Substances with controls	
New Zealand Hazardous Substances and New Organisms (HSNO) Act - Classification of Chemicals	
New Zealand Hazardous Substances and New Organisms (HSNO) Act - Classification of Chemicals - Classification Data	

New Zealand Inventory of Chemicals (NZIoC)

New Zealand Workplace Exposure Standards (WES)

Additional Regulatory Information

Not Applicable

Hazardous Substance Location

Subject to the Health and Safety at Work (Hazardous Substances) Regulations 2017.

Hazard Class	Quantity (Closed Containers)	Quantity (Open Containers)
2.1.2A	3 000 L (aggregate water capacity)	3 000 L (aggregate water capacity)

Certified Handler

Subject to Part 4 of the Health and Safety at Work (Hazardous Substances) Regulations 2017.

Class of substance	Quantities
Not Applicable	Not Applicable

Refer Group Standards for further information

Maximum quantities of certain hazardous substances permitted on passenger service vehicles

Subject to Regulation 13.14 of the Health and Safety at Work (Hazardous Substances) Regulations 2017.

Hazard Class	Gas (aggregate water capacity in mL)	Liquid (L)	Solid (kg)	Maximum quantity per package for each classification
2.1.2A				1L (aggregate water capacity)

Tracking Requirements

Not Applicable

National Inventory Status

•

National Inventory	Status
Australia - AIIC / Australia Non-Industrial Use	Yes
Canada - DSL	Yes
Canada - NDSL	No (alcohols C12-15 ethoxylated; solvent naphtha petroleum, heavy aromatic; ethylene glycol monobutyl ether; water; hydrocarbon propellant)
China - IECSC	Yes
Europe - EINEC / ELINCS / NLP	Yes
Japan - ENCS	Yes
Korea - KECI	Yes
New Zealand - NZIoC	Yes
Philippines - PICCS	Yes
USA - TSCA	Yes
Taiwan - TCSI	Yes
Mexico - INSQ	Yes
Vietnam - NCI	Yes
Russia - FBEPH	Yes
Legend:	Yes = All CAS declared ingredients are on the inventory No = One or more of the CAS listed ingredients are not on the inventory. These ingredients may be exempt or will require registration.

SECTION 16 Other information

Revision Date 13/12/2023

Initial Date 13/12/2023

Other information

Classification of the preparation and its individual components has drawn on official and authoritative sources as well as independent review by the Chemwatch Classification committee using available literature references.

The SDS is a Hazard Communication tool and should be used to assist in the Risk Assessment. Many factors determine whether the reported Hazards are Risks in the workplace or other settings. Risks may be determined by reference to Exposures Scenarios. Scale of use, frequency of use and current or available engineering controls must be considered.

Definitions and abbreviations

- PC TWA: Permissible Concentration-Time Weighted Average
- ۲ 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,
- IDLH: Immediately Dangerous to Life or Health Concentrations
- ES: Exposure Standard
- 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
- DNEL: Derived No-Effect Level
- ۲ PNEC: Predicted no-effect concentration
- AIIC: Australian Inventory of Industrial Chemicals ۲
- DSL: Domestic Substances List
- NDSL: Non-Domestic Substances List
- IECSC: Inventory of Existing Chemical Substance in China
- EINECS: European INventory of Existing Commercial chemical Substances ELINCS: European List of Notified Chemical Substances
- NLP: No-Longer Polymers
- ENCS: Existing and New Chemical Substances Inventory
- KECI: Korea Existing Chemicals Inventory
- NZIoC: New Zealand Inventory of Chemicals
- PICCS: Philippine Inventory of Chemicals and Chemical Substances
- TSCA: Toxic Substances Control Act
- TCSI: Taiwan Chemical Substance Inventory ۶
- ÷. INSQ: Inventario Nacional de Sustancias Químicas
- ٠ NCI: National Chemical Inventory
- ▶ FBEPH: Russian Register of Potentially Hazardous Chemical and Biological Substances

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