

Lith-Lithium Acetate, Solution (29%)

Lithium Salts of America (a division of ASG Chemical Holdings, LLC)

Chemwatch: **7934-02** Version No: **2.1**

Safety Data Sheet according to OSHA HazCom Standard (2012) requirements

Chemwatch Hazard Alert Code: 2

Issue Date: 20/01/2025 Print Date: 28/01/2025 S.GHS.USA.EN.E

SECTION 1 Identification

Product Identifier

Product name	Lith-Lithium Acetate, Solution (29%)
Chemical Name	Not Applicable
Synonyms	Not Available
Chemical formula	Not Applicable
Other means of identification	Not Available

Recommended use of the chemical and restrictions on use

Name, address, and telephone number of the chemical manufacturer, importer, or other responsible party

Registered company name	Lithium Salts of America (a division of ASG Chemical Holdings, LLC)
Address	2603 NW 13th St. #231 Florida 32609 United States
Telephone	352.432.1481 Toll Free: 1.833.LithUSA (548.4872)
Fax	352.430.7442
Website	www.lithiumsalts.com
Email	compliance@asgchemie.com

Emergency phone number

Association / Organisation	Chemwatch	CHEMWATCH EMERGENCY RESPONSE (24/7)
Emergency telephone number(s)	1-855-237-5573	+1 855-237-5573
Other emergency telephone number(s)	+61 3 9573 3188	+61 3 9573 3188

SECTION 2 Hazard(s) identification

Classification of the substance or mixture

NFPA 704 diamond



Note: The hazard category numbers found in GHS classification in section 2 of this SDSs are NOT to be used to fill in the NFPA 704 diamond. Blue = Health Red = Fire Yellow = Reactivity White = Special (Oxidizer or water reactive substances)

Classification

Acute Toxicity (Oral) Category 4, Skin Corrosion/Irritation Category 2, Serious Eye Damage/Eye Irritation Category 2A

Label elements

Hazard pictogram(s)



Signal word Warning

Hazard statement(s)

Tuzuru statement(s)	
H302	Harmful if swallowed.
H315	Causes skin irritation.
H319	Causes serious eye irritation.

Hazard(s) not otherwise classified

Not Applicable

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Precautionary statement(s) Prevention

P264 Wash all exposed external body areas thoroughly after handling.	
P270	Do not eat, drink or smoke when using this product.
P280	Wear protective gloves, protective clothing, eye protection and face protection.

Precautionary statement(s) Response

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	1+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.	
P330 Rinse mouth. P332+P313 If skin irritation occurs: Get medical advice/attention.		
		P362+P364

Precautionary statement(s) Storage

Not Applicable

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Precautionary statement(s) Disposal

P501

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

SECTION 3 Composition / information on ingredients

Substances

See section below for composition of Mixtures

Mixtures

CAS No	%[weight]	Name
546-89-4	29	lithium acetate
7732-18-5	71	water

SECTION 4 First-aid measures

Description of first aid measures

Eye Contact	If this product comes in contact with the eyes: Wash out immediately with fresh running water. Ensure complete irrigation of the eye by keeping eyelids apart and away from eye and moving the eyelids by occasionally lifting the upper and lower lids. Seek medical attention without delay; if pain persists or recurs seek medical attention. Removal of contact lenses after an eye injury should only be undertaken by skilled personnel.
Skin Contact	If skin contact occurs: Immediately remove all contaminated clothing, including footwear. Flush skin and hair with running water (and soap if available). Seek medical attention in event of irritation.
Inhalation	 If fumes, aerosols or combustion products are inhaled remove from contaminated area. Other measures are usually unnecessary.
Ingestion	 If SWALLOWED, REFER FOR MEDICAL ATTENTION, WHERE POSSIBLE, WITHOUT DELAY. For advice, contact a Poisons Information Centre or a doctor. Urgent hospital treatment is likely to be needed. In the mean time, qualified first-aid personnel should treat the patient following observation and employing supportive measures as indicated by the patient's condition. If the services of a medical officer or medical doctor are readily available, the patient should be placed in his/her care and a copy of the SDS should be provided. Further action will be the responsibility of the medical specialist. If medical attention is not available on the worksite or surroundings send the patient to a hospital together with a copy of the SDS. Where medical attention is not immediately available or where the patient is more than 15 minutes from a hospital or unless instructed otherwise: INDUCE vomiting with fingers down the back of the throat, ONLY IF CONSCIOUS. Lean patient forward or place on left side (head-down position, if possible) to maintain open airway and prevent aspiration. NOTE: Wear a protective glove when inducing vomiting by mechanical means.

Most important symptoms and effects, both acute and delayed

See Section 11

Indication of any immediate medical attention and special treatment needed

Treat symptomatically.

Clinical effects of lithium intoxication appear to relate to duration of exposure as well as to level.

- Lithium produces a generalised slowing of the electroencephalogram; the anion gap may increase in severe cases.
- ▶ Emesis (or lavage if the patient is obtunded or convulsing) is indicated for ingestions exceeding 40 mg (Li)/Kg.
- Overdose may delay absorption; decontamination measures may be more effective several hours after cathartics.
- ▶ Charcoal is not useful. No clinical data are available to guide the administration of catharsis.
- Haemodialysis significantly increases lithium clearance; indications for haemodialysis include patients with serum levels above 4 meq/L.
- There are no antidotes.

[Ellenhorn and Barceloux: Medical Toxicology]

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SECTION 5 Fire-fighting 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.

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- dry chemical powder.
- carbon dioxide.

Special hazards arising from the substrate or mixture

Fire Incompatibility

None known

Special protective equipment and precautions for fire-fighters

	Alert Fire Brigade and tell them location and hattire 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.
Fire Fighting	Use fire fighting procedures suitable for surrounding area.
Fire Fighting	 DO NOT approach containers suspected to be hot.
	Cool fire exposed containers with water spray from a protected location.
	▶ If safe to do so, remove containers from path of fire.
	Equipment should be thoroughly decontaminated after use.

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).
- Fire/Explosion Hazard

Decomposes on heating and produces toxic fumes of:

carbon dioxide (CO2)

metal oxides

other pyrolysis products typical of burning organic material.

May emit poisonous fumes

May emit acrid smoke.

May emit corrosive fumes.

SECTION 6 Accidental release measures

Personal precautions, protective equipment and emergency procedures

See section 8

Environmental precautions

See section 12

Methods and material for containment and cleaning up

Minor Spills	 Clean up all spills immediately. Avoid breathing vapours and contact with skin and eyes. Control personal contact with the substance, by using protective equipment. Contain and absorb spill with sand, earth, inert material or vermiculite. Wipe up. Place in a suitable, labelled container for waste disposal.
Major Spills	Moderate hazard. Clear area of personnel and move upwind. Alert Fire Brigade and tell them location and nature of hazard. Wear breathing apparatus plus protective gloves. Prevent, by any means available, spillage from entering drains or water course. Stop leak if safe to do so. Contain spill with sand, earth or vermiculite. Collect recoverable product into labelled containers for recycling. Neutralise/decontaminate residue (see Section 13 for specific agent). Collect solid residues and seal in labelled drums for disposal. Wash area and prevent runoff into drains. After clean up operations, decontaminate and launder all protective clothing and equipment before storing and re-using. If contamination of drains or waterways occurs, advise emergency services.

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
- Keep containers securely sealed when not in use.
- Avoid physical damage to containers.
- Always wash hands with soap and water after handling. Work clothes should be laundered separately. Launder contaminated clothing before re-use.
- Use good occupational work practice
- Observe manufacturer's storage and handling recommendations contained within this SDS.

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Atmosphere should be regularly checked against established exposure standards to ensure safe working conditions are maintained. ▶ DO NOT allow clothing wet with material to stay in contact with skin Store in original containers. Keep containers securely sealed.

- Store in a cool, dry, well-ventilated area. Other information
 - ▶ Store away from incompatible materials and foodstuff containers
 - Protect containers against physical damage and check regularly for leaks.
 - Observe manufacturer's storage and handling recommendations contained within this SDS.

Conditions for safe storage, including any incompatibilities

Suitable container

- Polyethylene or polypropylene container.
- Packing as recommended by manufacturer Check all containers are clearly labelled and free from leaks.

Storage incompatibility

SECTION 8 Exposure controls / personal protection

Control parameters

Occupational Exposure Limits (OEL)

INGREDIENT DATA

Not Available

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Ingredient	Original IDLH	Revised IDLH
lithium acetate	Not Available	Not Available
water	Not Available	Not Available

Exposure controls

Engineering controls are used to remove a hazard or place a barrier between the worker and the hazard. Well-designed engineering controls can be highly effective in protecting workers and will typically be independent of worker interactions to provide this high level of protection. The basic types of engineering controls are:

Process controls which involve changing the way a job activity or process is done to reduce the risk.

Enclosure and/or isolation of emission source which keeps a selected hazard "physically" away from the worker and ventilation that strategically "adds" and "removes" air in the work environment. Ventilation can remove or dilute an air contaminant if designed properly. The design of a ventilation system must match the particular process and chemical or contaminant in use. Employers may need to use multiple types of controls to prevent employee overexposure.

General exhaust is adequate under normal operating conditions. Local exhaust ventilation may be required in specific circumstances. If risk of overexposure exists, wear approved respirator. Correct fit is essential to obtain adequate protection. Provide adequate ventilation in warehouse or closed storage areas. Air contaminants generated in the workplace possess varying "escape" velocities which, in turn, determine the "capture velocities" of fresh circulating air required to effectively remove the contaminant.

Appropriate engineering controls

Type of Contaminant:	Air Speed:
solvent, vapours, degreasing etc., evaporating from tank (in still air).	0.25-0.5 m/s (50- 100 f/min)
aerosols, fumes from pouring operations, intermittent container filling, low speed conveyer transfers, welding, spray drift, plating acid fumes, pickling (released at low velocity into zone of active generation)	0.5-1 m/s (100- 200 f/min.)
direct spray, spray painting in shallow booths, drum filling, conveyer loading, crusher dusts, gas discharge (active generation into zone of rapid air motion)	1-2.5 m/s (200- 500 f/min.)
grinding, abrasive blasting, tumbling, high speed wheel generated dusts (released at high initial velocity into zone of very high rapid air motion).	2.5-10 m/s (500- 2000 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: 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 generally decreases with the square of distance from the extraction point (in simple cases). Therefore the air speed at the extraction point should be adjusted, accordingly, after reference to distance from the contaminating source. The air velocity at the extraction fan, for example, should be a minimum of 1-2 m/s (200-400 f/min) for extraction of solvents generated in a tank 2 meters distant from the extraction point. Other mechanical considerations, producing performance deficits within the extraction apparatus, make it essential that theoretical air velocities are multiplied by factors of 10 or more when extraction systems are installed or used

Individual protection measures, such as personal protective equipment











- Safety glasses with side shields
- Chemical goggles. [AS/NZS 1337.1, EN166 or national equivalent]

Eye and face protection

• Contact lenses may pose a special hazard; soft contact lenses may absorb and concentrate irritants. A written policy document, describing the wearing of lenses or restrictions on use, should be created for each workplace or task. This should include a review of lens absorption and adsorption for the class of chemicals in use and an account of injury experience. Medical and first-aid personnel should be trained in their removal and suitable equipment should be readily available. In the event of chemical exposure, begin eye irrigation immediately and remove contact lens as soon as practicable. Lens should be removed at the first signs of eye redness or irritation - lens should be removed in a clean environment only after workers have washed hands thoroughly. [CDC NIOSH Current Intelligence Bulletin 59].

Skin protection

See Hand protection below

Hands/feet protection

- ▶ Wear chemical protective gloves, e.g. PVC
- Wear safety footwear or safety gumboots, e.g. Rubber

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The selection of suitable gloves does not only depend on the material, but also on further marks of quality which vary from manufacturer to manufacturer. Where the chemical is a preparation of several substances, the resistance of the glove material can not be calculated in advance and has therefore to be checked prior to the application.

The exact break through time for substances has to be obtained from the manufacturer of the protective gloves and has to be observed when making a final choice.

Personal hygiene is a key element of effective hand care. Gloves must only be worn on clean hands. After using gloves, hands should be washed and dried thoroughly. Application of a non-perfumed moisturiser is recommended.

Suitability and durability of glove type is dependent on usage. Important factors in the selection of gloves include:

- · frequency and duration of contact,
- · chemical resistance of glove material,
- · glove thickness and
- dexterity

Select gloves tested to a relevant standard (e.g. Europe EN 374, US F739, AS/NZS 2161.1 or national equivalent).

- · When prolonged or frequently repeated contact may occur, a glove with a protection class of 5 or higher (breakthrough time greater than 240 minutes according to EN 374, AS/NZS 2161.10.1 or national equivalent) is recommended.
- · When only brief contact is expected, a glove with a protection class of 3 or higher (breakthrough time greater than 60 minutes according to EN 374, AS/NZS 2161.10.1 or national equivalent) is recommended.
- · Some glove polymer types are less affected by movement and this should be taken into account when considering gloves for long-term use.
- · Contaminated gloves should be replaced.

As defined in ASTM F-739-96 in any application, gloves are rated as:

- · Excellent when breakthrough time > 480 min
- · Good when breakthrough time > 20 min
- · Fair when breakthrough time < 20 min
- · Poor when glove material degrades

For general applications, gloves with a thickness typically greater than 0.35 mm, are recommended.

It should be emphasised that glove thickness is not necessarily a good predictor of glove resistance to a specific chemical, as the permeation efficiency of the glove will be dependent on the exact composition of the glove material. Therefore, glove selection should also be based on consideration of the task requirements and knowledge of breakthrough times.

Glove thickness may also vary depending on the glove manufacturer, the glove type and the glove model. Therefore, the manufacturers technical data should always be taken into account to ensure selection of the most appropriate glove for the task.

Note: Depending on the activity being conducted, gloves of varying thickness may be required for specific tasks. For example:

- · Thinner gloves (down to 0.1 mm or less) may be required where a high degree of manual dexterity is needed. However, these gloves are only likely to give short duration protection and would normally be just for single use applications, then disposed of.
- Thicker gloves (up to 3 mm or more) may be required where there is a mechanical (as well as a chemical) risk i.e. where there is abrasion or puncture potential

Gloves must only be worn on clean hands. After using gloves, hands should be washed and dried thoroughly. Application of a non-perfumed moisturiser is recommended.

воау	protection

See Other protection below

Other protection

- Overalls.
- P.V.C apron.
- Barrier cream.
- Skin cleansing cream.
- Eye wash unit.

Recommended material(s)

GLOVE SELECTION INDEX

Glove selection is based on a modified presentation of the:

"Forsberg Clothing Performance Index".

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

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Material	СРІ
BUTYL	Α
NEOPRENE	A
VITON	A
NATURAL RUBBER	С
PVA	С

- * CPI Chemwatch Performance Index
- A: Best Selection
- B: Satisfactory; may degrade after 4 hours continuous immersion
- C: Poor to Dangerous Choice for other than short term immersion

NOTE: As a series of factors will influence the actual performance of the glove, a final selection must be based on detailed observation. -

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

Ansell Glove Selection

Glove — In order of recommendation	
AlphaTec 02-100	
AlphaTec® Solvex® 37-185	
AlphaTec® 58-008	
AlphaTec® 58-530B	
AlphaTec® 58-735	
AlphaTec® Solvex® 37-675	
DermaShield™ 73-711	
MICROFLEX® 63-864	
MICROFLEX® 73-847	
MICROFLEX® 93-244	

Respiratory protection

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

Selection of the Class and Type of respirator will depend upon the level of breathing zone contaminant and the chemical nature of the contaminant. Protection Factors (defined as the ratio of contaminant outside and inside the mask) may also be important.

Required minimum protection factor	Maximum gas/vapour concentration present in air p.p.m. (by volume)	Half-face Respirator	Full-Face Respirator
up to 10	1000	A-AUS / Class1	-
up to 50	1000	-	A-AUS / Class 1
up to 50	5000	Airline *	-
up to 100	5000	-	A-2
up to 100	10000	-	A-3
100+			Airline**

- * Continuous Flow ** Continuous-flow or positive pressure demand 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

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The suggested gloves for use should be confirmed with the glove supplier.

SECTION 9 Physical and chemical properties

Information on basic pr	nysical and	chemical	properties

Appearance	Solution.		
Physical state	Liquid	Relative density (Water = 1)	Not Available
Odour	Not Available	Partition coefficient n-octanol / water	Not Available
Odour threshold	Not Available	Auto-ignition temperature (°C)	Not Available
pH (as supplied)	Not Available	Decomposition temperature (°C)	Not Available
Melting point / freezing point (°C)	Not Available	Viscosity (cSt)	Not Available
Initial boiling point and boiling range (°C)	Not Available	Molecular weight (g/mol)	Not Applicable
Flash point (°C)	Not 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
Heat of Combustion (kJ/g)	Not Available	Ignition Distance (cm)	Not Available
Flame Height (cm)	Not Available	Flame Duration (s)	Not Available
Enclosed Space Ignition Time Equivalent (s/m3)	Not Available	Enclosed Space Ignition Deflagration Density (g/m3)	Not Available
Nanoform Solubility	Not Available	Nanoform Particle Characteristics	Not Available
Particle Size	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

Information on toxicological et	ffects
a) Acute Toxicity	There is sufficient evidence to classify this material as acutely toxic.
b) Skin Irritation/Corrosion	There is sufficient evidence to classify this material as skin corrosive or irritating.
c) Serious Eye Damage/Irritation	There is sufficient evidence to classify this material as eye damaging or irritating
d) Respiratory or Skin sensitisation	Based on available data, the classification criteria are not met.
e) Mutagenicity	Based on available data, the classification criteria are not met.
f) Carcinogenicity	Based on available data, the classification criteria are not met.
g) Reproductivity	Based on available data, the classification criteria are not met.
h) STOT - Single Exposure	Based on available data, the classification criteria are not met.
i) STOT - Repeated Exposure	Based on available data, the classification criteria are not met.
j) Aspiration Hazard	Based on available data, the classification criteria are not met.
Inhaled	The material is not thought to produce either adverse health effects or irritation of the respiratory tract following inhalation (as classified by EC Directives using animal models). Nevertheless, adverse systemic effects have been produced following exposure of animals by at least one other route and good hygiene practice requires that exposure be kept to a minimum and that suitable control measures be used in an occupational setting. Not normally a hazard due to non-volatile nature of product

Ingestion

Accidental ingestion of the material may be 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.

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	Lithium, in large doses, can cause dizziness and weakn	ness. If a low salt diet is in place, ki	dney damage can result.
Skin Contact	This material can cause inflammation of the skin on contact in some persons. The material may accentuate any pre-existing dermatitis condition		
Eye	This material can cause eye irritation and damage in so	ome persons.	
Chronic	Substance accumulation, in the human body, may occu exposure. Lithium compounds can affect the nervous system and		
Lith-Lithium Acetate,	TOXICITY	IRRITATION	
Solution (29%)	Not Available	Not Available	
	тохісіту	IRRITATION	
lithium acetate	dermal (rat) LD50: >2000 mg/kg ^[1]	Eye: adverse effe	ect observed (irritating) ^[1]
		Skin: no adverse	effect observed (not irritating) ^[1]
	тохісіту	IRRITATION	
water	Oral (Rat) LD50: >90000 mg/kg ^[2]	Not Available	
Legend:	Value obtained from Europe ECHA Registered Subst specified data extracted from RTECS - Register of Toxic		ained from manufacturer's SDS. Unless otherwise
	Goitrogenic: Goitrogens are substances that suppress the function o	of the thyroid aland by interfering wi	ith iodine uptake, which can, as a result, cause an
Lith-Lithium Acetate, Solution (29%)	Goitrogenic: Goitrogens are substances that suppress the function of enlargement of the thyroid (a goitre). Goitrogens include: Vitexin, a flavonoid, which inhibits thyroid peroxidase, Thiocyanate and perchlorate, which decrease iodide upituitary gland Lithium, which inhibits thyroid hormone release Certain foods, such as soy and millet (containing vitex cabbage, cauliflower and horseradish). Caffeine (found in coffee, tea, cola and chocolate), when the material may trigger oculogyric crisis. The term "oculoutial symptoms include restlessness, agitation, malaise sustained upward deviation of the eyes. In addition, the frequently reported associated findings are backwards a pain. However, the condition may also be associated with exhaustion may follow an episode. The abrupt termination of the eyes are that are noted during attacks include musincreased blood pressure and heart rate, facial flushing, recurrent fixed ideas, depersonalization, violence, and of a ln addition to the acute presentation, oculogyric crisis of drugs. The diagnosis of oculogyric crisis is largely clinical and triggers for the crisis and rule out other causes of abnor	contributing to goitre uptake by competitive inhibition and witins) and vegetables in the genus B nich acts on thyroid function as a surulogyric" refers to the bilateral eleve, or a fixed stare. Then comes the eyes may converge, deviate upwar and lateral flexion of the neck, wide tith intensely painful jaw spasm whis ion of the psychiatric symptoms at titism, palilalia, eye blinking, lacrima, headache, vertigo, anxiety, agitati obscene language. an develop as a recurrent syndrom involves taking a focused history are	d consequently increase release of TSH from the brassica (which includes broccoli, Brussels sprouts appressant. ation of the visual gaze. more characteristically described extreme and and laterally, or deviate downward. The most ely opened mouth, tongue protrusion, and ocular ch may result in the breaking of a tooth. A wave of the conclusion of the crisis is most striking. Ition, pupil dilation, drooling, respiratory dyskinesia ion, compulsive thinking, paranoia, depression, e, triggered by stress and by exposure to the
	Goitrogens are substances that suppress the function of enlargement of the thyroid (a goitre). Goitrogens include: Vitexin, a flavonoid, which inhibits thyroid peroxidase, Thiocyanate and perchlorate, which decrease iodide upituitary gland Lithium, which inhibits thyroid hormone release Certain foods, such as soy and millet (containing vitex cabbage, cauliflower and horseradish). Caffeine (found in coffee, tea, cola and chocolate), when the material may trigger oculogyric crisis. The term "oculouitial symptoms include restlessness, agitation, malaiss sustained upward deviation of the eyes. In addition, the frequently reported associated findings are backwards a pain. However, the condition may also be associated with exhaustion may follow an episode. The abrupt terminating the features that are noted during attacks include musincreased blood pressure and heart rate, facial flushing recurrent fixed ideas, depersonalization, violence, and call in addition to the acute presentation, oculogyric crisis caldrugs. The diagnosis of oculogyric crisis is largely clinical and	contributing to goitre uptake by competitive inhibition and tins) and vegetables in the genus B nich acts on thyroid function as a sublogyric" refers to the bilateral eleve, or a fixed stare. Then comes the eyes may converge, deviate upwar and lateral flexion of the neck, wide ith intensely painful jaw spasm which ion of the psychiatric symptoms at thism, pallialia, eye blinking, lacrima in, headache, vertigo, anxiety, agitatiobscene language. an develop as a recurrent syndrom involves taking a focused history armal ocular movements.	d consequently increase release of TSH from the brassica (which includes broccoli, Brussels sprouts, appressant. ation of the visual gaze. more characteristically described extreme and and laterally, or deviate downward. The most ely opened mouth, tongue protrusion, and ocular ch may result in the breaking of a tooth. A wave of the conclusion of the crisis is most striking. Ition, pupil dilation, drooling, respiratory dyskinesia ion, compulsive thinking, paranoia, depression, te, triggered by stress and by exposure to the
Solution (29%) Lith-Lithium Acetate,	Goitrogens are substances that suppress the function of enlargement of the thyroid (a goitre). Goitrogens include: Vitexin, a flavonoid, which inhibits thyroid peroxidase, Thiocyanate and perchlorate, which decrease iodide upituitary gland Lithium, which inhibits thyroid hormone release Certain foods, such as soy and millet (containing vitex cabbage, cauliflower and horseradish). Caffeine (found in coffee, tea, cola and chocolate), when the material may trigger oculogyric crisis. The term "oculous in the colour of the eyes. In addition, the frequently reported associated findings are backwards a pain. However, the condition may also be associated with exhaustion may follow an episode. The abrupt termination of the reatures that are noted during attacks include mutincreased blood pressure and heart rate, facial flushing, recurrent fixed ideas, depersonalization, violence, and of a laddition to the acute presentation, oculogyric crisis of drugs. The diagnosis of oculogyric crisis is largely clinical and triggers for the crisis and rule out other causes of abnorance in the content of the crisis and rule out other causes of abnorance in the crisis and rule out other causes of abnorance in the crisis and rule out other causes of abnorance in the crisis and rule out other causes of abnorance in the crisis and rule out other causes of abnorance in the crisis and rule out other causes of abnorance in the crisis and rule out other causes of abnorance in the crisis and rule out other causes of abnorance in the crisis and rule out other causes of abnorance in the crisis and rule out other causes of abnorance in the crisis and rule out other causes of abnorance in the crisis and rule out other causes of abnorance in the crisis and rule out other causes of abnorance in the crisis and rule out other causes of abnorance in the crisis and rule out other causes of abnorance in the crisis and rule out other causes of abnorance in the crisis and rule out other causes of abnorance in the crisis and rule out other causes.	contributing to goitre uptake by competitive inhibition and tins) and vegetables in the genus B nich acts on thyroid function as a sublogyric" refers to the bilateral eleve, or a fixed stare. Then comes the eyes may converge, deviate upwar and lateral flexion of the neck, wide ith intensely painful jaw spasm which ion of the psychiatric symptoms at thism, pallialia, eye blinking, lacrima in, headache, vertigo, anxiety, agitatiobscene language. an develop as a recurrent syndrom involves taking a focused history armal ocular movements.	d consequently increase release of TSH from the brassica (which includes broccoli, Brussels sprouts appressant. ation of the visual gaze. more characteristically described extreme and and laterally, or deviate downward. The most ely opened mouth, tongue protrusion, and ocular ch may result in the breaking of a tooth. A wave of the conclusion of the crisis is most striking. Ition, pupil dilation, drooling, respiratory dyskinesia ion, compulsive thinking, paranoia, depression, e, triggered by stress and by exposure to the
Solution (29%) Lith-Lithium Acetate, Solution (29%) & WATER	Goitrogens are substances that suppress the function of enlargement of the thyroid (a goitre). Goitrogens include: Vitexin, a flavonoid, which inhibits thyroid peroxidase, Thiocyanate and perchlorate, which decrease iodide upituitary gland Lithium, which inhibits thyroid hormone release Certain foods, such as soy and millet (containing vitex cabbage, cauliflower and horseradish). Caffeine (found in coffee, tea, cola and chocolate), when the material may trigger oculogyric crisis. The term "oculous in the colour of the eyes. In addition, the frequently reported associated findings are backwards a pain. However, the condition may also be associated with exhaustion may follow an episode. The abrupt termination of the reatures that are noted during attacks include mu increased blood pressure and heart rate, facial flushing, recurrent fixed ideas, depersonalization, violence, and candition to the acute presentation, oculogyric crisis candrugs. The diagnosis of oculogyric crisis is largely clinical and triggers for the crisis and rule out other causes of abnormal significant acute toxicological data identified in litera	contributing to goitre uptake by competitive inhibition and tins) and vegetables in the genus B nich acts on thyroid function as a sublogyric" refers to the bilateral eleve, or a fixed stare. Then comes the eyes may converge, deviate upwar and lateral flexion of the neck, wide ith intensely painful jaw spasm which intensely painful jaw spasm wh	d consequently increase release of TSH from the brassica (which includes broccoli, Brussels sprouts appressant. Tation of the visual gaze. The most end laterally, or deviate downward. The most bely opened mouth, tongue protrusion, and ocular ch may result in the breaking of a tooth. A wave of the conclusion of the crisis is most striking. The conclusion, drooling, respiratory dyskinesia ion, compulsive thinking, paranoia, depression, we, triggered by stress and by exposure to the and physical examination to identify possible
Lith-Lithium Acetate, Solution (29%) & WATER Acute Toxicity	Goitrogens are substances that suppress the function of enlargement of the thyroid (a goitre). Goitrogens include: Vitexin, a flavonoid, which inhibits thyroid peroxidase, Thiocyanate and perchlorate, which decrease iodide upituitary gland Lithium, which inhibits thyroid hormone release Certain foods, such as soy and millet (containing vitex cabbage, cauliflower and horseradish). Caffeine (found in coffee, tea, cola and chocolate), when the material may trigger oculogyric crisis. The term "oculous in colder restlessness, agitation, malaise sustained upward deviation of the eyes. In addition, the frequently reported associated findings are backwards a pain. However, the condition may also be associated with exhaustion may follow an episode. The abrupt termination of the features that are noted during attacks include muthoreased blood pressure and heart rate, facial flushing, recurrent fixed ideas, depersonalization, violence, and of a addition to the acute presentation, oculogyric crisis or drugs. The diagnosis of oculogyric crisis is largely clinical and triggers for the crisis and rule out other causes of abnor. No significant acute toxicological data identified in litera	contributing to goitre uptake by competitive inhibition and kins) and vegetables in the genus B nich acts on thyroid function as a su sulogyric" refers to the bilateral elev- e, or a fixed stare. Then comes the e yes may converge, deviate upwa and lateral flexion of the neck, wide ith intensely painful jaw spasm whic ion of the psychiatric symptoms at a titsm, palilalia, eye blinking, lacrima h, headache, vertigo, anxiety, agitati obscene language. an develop as a recurrent syndrom involves taking a focused history at rmal ocular movements. Carcinogenicity	d consequently increase release of TSH from the brassica (which includes broccoli, Brussels sprouts appressant. ation of the visual gaze. more characteristically described extreme and and laterally, or deviate downward. The most ely opened mouth, tongue protrusion, and ocular ch may result in the breaking of a tooth. A wave of the conclusion of the crisis is most striking. tition, pupil dilation, drooling, respiratory dyskinesia ion, compulsive thinking, paranoia, depression, e, triggered by stress and by exposure to the and physical examination to identify possible
Lith-Lithium Acetate, Solution (29%) & WATER Acute Toxicity Skin Irritation/Corrosion Serious Eye	Goitrogens are substances that suppress the function of enlargement of the thyroid (a goitre). Goitrogens include: Vitexin, a flavonoid, which inhibits thyroid peroxidase, Thiocyanate and perchlorate, which decrease iodide upituitary gland Lithium, which inhibits thyroid hormone release Certain foods, such as soy and millet (containing vitex cabbage, cauliflower and horseradish). Caffeine (found in coffee, tea, cola and chocolate), when the material may trigger oculogyric crisis. The term "oculoutial symptoms include restlessness, agitation, malaise sustained upward deviation of the eyes. In addition, the frequently reported associated findings are backwards a pain. However, the condition may also be associated we exhaustion may follow an episode. The abrupt terminating Other features that are noted during attacks include muincreased blood pressure and heart rate, facial flushing recurrent fixed ideas, depersonalization, violence, and coll in addition to the acute presentation, oculogyric crisis or drugs. The diagnosis of oculogyric crisis is largely clinical and triggers for the crisis and rule out other causes of abnormal processing the processing and rule out other causes of abnormal	contributing to goitre uptake by competitive inhibition and cins) and vegetables in the genus B nich acts on thyroid function as a suculogyric" refers to the bilateral elevie, or a fixed stare. Then comes the eyes may converge, deviate upwardland lateral flexion of the neck, wide ith intensely painful jaw spasm white ion of the psychiatric symptoms at titism, pallialia, eye blinking, lacrima in headache, vertigo, anxiety, agitatiobscene language. an develop as a recurrent syndrom involves taking a focused history at mal ocular movements. Carcinogenicity Reproductivity	d consequently increase release of TSH from the brassica (which includes broccoli, Brussels sprouts appressant. The relation of the visual gaze. In more characteristically described extreme and and and laterally, or deviate downward. The most sely opened mouth, tongue protrusion, and ocular ch may result in the breaking of a tooth. A wave of the conclusion of the crisis is most striking. In tion, pupil dilation, drooling, respiratory dyskinesia ion, compulsive thinking, paranoia, depression, i.e., triggered by stress and by exposure to the mod physical examination to identify possible

Legend:

X − Data either not available or does not fill the criteria for classification
 ✓ − Data available to make classification

SECTION 12 Ecological information

Toxicity

Liste Listeiner Anntata	Endpoint	Test Duration (hr)	Species	Value	Source
Lith-Lithium Acetate, Solution (29%)	Not Available	Not Available	Not Available	Not Available	Not Available
	Endpoint	Test Duration (hr)	Species	Value	Source
	EC50	72h	Algae or other aquatic plants	41.62mg/l	2
lithium acetate EC50	EC50	48h	Crustacea	19.1mg/l	2
	NOEC(ECx)	504h	Crustacea	2.3mg/l	2
	LC50	96h	Fish	62.2mg/l	2
	Endpoint	Test Duration (hr)	Species	Value	Source
water	Not Available	Not Available	Not Available	Not Available	Not Available

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Legend:

Extracted from 1. IUCLID Toxicity Data 2. Europe ECHA Registered Substances - Ecotoxicological Information - Aquatic Toxicity 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

For lithium (Anion):

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Environmental Fate: Lithium hypochlorite is an algaecide, disinfectant, fungicide and food

contact surface sanitizer. Its primary use is as a pesticide to control algae, bacteria and mildew in swimming pool water systems, hot tubs and spas. Lithium is an element that occurs naturally at low levels in food and drinking water. Compounds of lithium that would most likely enter freshwater environments are from mining, refining, and fabrication. Fluorides and carbonates of lithium appear to be the most probable environmental contaminants.

Atmospheric Fate: Lithium will react with oxygen to form lithium chloride and nitrogen, to form lithium nitride. Freshly cut surfaces will tarnish in the presence of the substance in the air.

Terrestrial Fate: Soil Lithium is found naturally in the Earth's crust and this content is estimated to be from 20 to 70 ppm, by weight. However, the concentration of lithium in soil varies significantly depending on geographic location and soil type.

Terrestrial Fate: Plants - Lithium is not a dietary mineral for plants but it does stimulate plant growth. It is readily absorbed by plants, causing plants to be an indicator of soil lithium concentrations.

Aquatic Fate: Lithium hypochlorite, like all the hypochlorite salts, forms hypochlorous acid when dissolved in water; it is hypochlorous acid that exhibits actual pesticide activity. Pieces of lithium metal react slowly with water to liberate hydrogen, a flammable gas, but the reaction does not generate enough heat to cause spontaneous ignition. Powdered lithium may react explosively with water.

Ecotoxicity: Lithium can have toxic effects on the reproductive systems of experimental animals and increasing consumption may result in adverse effects on health and environment. Lithium has significant biological availability only when administered as a partially soluble salt, such as lithium carbonate. Lithium hypochlorite is considered slightly toxic to nontoxic to avian

species, and it is not expected to be found in the environment at levels of concern. Therefore, risk to avian species is expected to be minimal. Toxicity to fish and aquatic invertebrates, however, is considered very high. Lithium salt is toxic to rainbow trout, fathead minnow, and Daphnia magna water fleas. Lithium is not expected to accumulate in mammals and its human and environmental toxicity are low. Lithium does accumulate in several species of fish, mollusks and crustaceans where it stored in the digestive tract and outer skeleton.

DO NOT discharge into sewer or waterways.

Persistence and degradability

Ingredient	Persistence: Water/Soil	Persistence: Air
water	LOW	LOW

Bioaccumulative potential

Ingredient	Bioaccumulation
water	LOW (LogKOW = -1.38)

Mobility in soil

Ingredient	Mobility
	No Data available for all ingredients

Other adverse effects

No evidence of ozone depleting properties were found in the current literature.

SECTION 13 Disposal considerations

Waste treatment methods

- ▶ Containers may still present a chemical hazard/ danger when empty.
- Return to supplier for reuse/ recycling if possible.

Otherwise:

- If container can not be cleaned sufficiently well to ensure that residuals do not remain or if the container cannot be used to store the same product, then puncture containers, to prevent re-use, and bury at an authorised landfill.
- ▶ Where possible retain label warnings and SDS and observe all notices pertaining to the product.

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

A Hierarchy of Controls seems to be common - the user should investigate:

- ► Reduction
- ▶ Reuse
- Recycling
- Disposal (if all else fails)

Product / Packaging disposal

This material may be recycled if unused, or if it has not been contaminated so as to make it unsuitable for its intended use. If it has been contaminated, it may be possible to reclaim the product by filtration, distillation or some other means. Shelf life considerations should also be applied in making decisions of this type. Note that properties of a material may change in use, and recycling or reuse may not always be appropriate.

- 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.
- Dispose of by: burial in a land-fill specifically licensed to accept chemical and / or pharmaceutical wastes or incineration in a licensed apparatus (after admixture with suitable combustible material).
- Decontaminate empty containers. Observe all label safeguards until containers are cleaned and destroyed.

SECTION 14 Transport information

Labels Required

Marine Pollutant

NO

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Air transport (ICAO-IATA / DGR): NOT REGULATED FOR TRANSPORT OF DANGEROUS GOODS

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

14.7. Maritime transport in bulk according to IMO instruments

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
lithium acetate	Not Available
water	Not Available

14.7.3. Transport in bulk in accordance with the IGC Code

Product name	Ship Type
lithium acetate	Not Available
water	Not Available

SECTION 15 Regulatory information

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

lithium acetate is found on the following regulatory lists

US DOE Temporary Emergency Exposure Limits (TEELs)

US Toxic Substances Control Act (TSCA) - Chemical Substance Inventory

water is found on the following regulatory lists

US Toxic Substances Control Act (TSCA) - Chemical Substance Inventory

Additional Regulatory Information

Not Applicable

Federal Regulations

Superfund Amendments and Reauthorization Act of 1986 (SARA)

Section 311/312 hazard categories

Gas under pressure Explosive No Self-heating No Pyrophoric (Liquid or Solid) No Pyrophoric Gas No Corrosive to metal No Oxidizer (Liquid, Solid or Gas) No Organic Peroxide No Self-reactive No In contact with water emits flammable gas No Combustible Dust Carcinogenicity Acute toxicity (any route of exposure) Reproductive toxicity Skin Corrosion or Irritation Respiratory or Skin Sensitization No Serious eye damage or eye irritation Yes	
Self-heating Pyrophoric (Liquid or Solid) Pyrophoric Gas No Corrosive to metal Oxidizer (Liquid, Solid or Gas) No Organic Peroxide No Self-reactive No In contact with water emits flammable gas No Carcinogenicity Acute toxicity (any route of exposure) Reproductive toxicity Skin Corrosion or Irritation Respiratory or Skin Sensitization	
Pyrophoric (Liquid or Solid) Pyrophoric Gas No Corrosive to metal No Oxidizer (Liquid, Solid or Gas) No Organic Peroxide Self-reactive No In contact with water emits flammable gas No Carcinogenicity Acute toxicity (any route of exposure) Reproductive toxicity Skin Corrosion or Irritation Respiratory or Skin Sensitization	
Pyrophoric Gas Corrosive to metal No Oxidizer (Liquid, Solid or Gas) No Organic Peroxide Self-reactive No In contact with water emits flammable gas No Combustible Dust Carcinogenicity Acute toxicity (any route of exposure) Reproductive toxicity Skin Corrosion or Irritation Respiratory or Skin Sensitization	
Corrosive to metal Oxidizer (Liquid, Solid or Gas) Organic Peroxide No Self-reactive No In contact with water emits flammable gas No Combustible Dust No Carcinogenicity No Acute toxicity (any route of exposure) Reproductive toxicity Skin Corrosion or Irritation Respiratory or Skin Sensitization	
Oxidizer (Liquid, Solid or Gas) Organic Peroxide No Self-reactive No In contact with water emits flammable gas No Combustible Dust No Carcinogenicity No Acute toxicity (any route of exposure) Reproductive toxicity Skin Corrosion or Irritation Respiratory or Skin Sensitization	
Organic Peroxide Self-reactive No In contact with water emits flammable gas No Combustible Dust No Carcinogenicity No Acute toxicity (any route of exposure) Reproductive toxicity No Skin Corrosion or Irritation Respiratory or Skin Sensitization	
Self-reactive No In contact with water emits flammable gas No Combustible Dust No Carcinogenicity No Acute toxicity (any route of exposure) Yes Reproductive toxicity Skin Corrosion or Irritation Yes Respiratory or Skin Sensitization No	
In contact with water emits flammable gas Combustible Dust No Carcinogenicity No Acute toxicity (any route of exposure) Reproductive toxicity Skin Corrosion or Irritation Respiratory or Skin Sensitization No	
Combustible Dust Carcinogenicity No Acute toxicity (any route of exposure) Reproductive toxicity No Skin Corrosion or Irritation Respiratory or Skin Sensitization No	
Carcinogenicity Acute toxicity (any route of exposure) Reproductive toxicity No Skin Corrosion or Irritation Respiratory or Skin Sensitization No	
Acute toxicity (any route of exposure) Reproductive toxicity No Skin Corrosion or Irritation Respiratory or Skin Sensitization No	
Reproductive toxicity Skin Corrosion or Irritation Yes Respiratory or Skin Sensitization No	
Skin Corrosion or Irritation Yes Respiratory or Skin Sensitization No	
Respiratory or Skin Sensitization No	
Serious eye damage or eye irritation Yes	
Specific target organ toxicity (single or repeated exposure)	
Aspiration Hazard No	
Germ cell mutagenicity No	
Simple Asphyxiant No	
Hazards Not Otherwise Classified No	

US. EPA CERCLA Hazardous Substances and Reportable Quantities (40 CFR 302.4)

None Reported

US. EPCRA Section 313 Toxic Release Inventory (TRI) (40 CFR 372)

None Reported

Additional Federal Regulatory Information

Not Applicable

State Regulations

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US. California Proposition 65

None Reported

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Additional State Regulatory Information

Not Applicable

National Inventory Status

National Inventory	Status
Australia - AIIC / Australia Non- Industrial Use	Yes
Canada - DSL	Yes
Canada - NDSL	No (lithium acetate; water)
China - IECSC	Yes
Europe - EINEC / ELINCS / NLP	Yes
Japan - ENCS	Yes
Korea - KECI	Yes
New Zealand - NZIoC	Yes
Philippines - PICCS	Yes
USA - TSCA	All chemical substances in this product have been designated as TSCA Inventory 'Active'
Taiwan - TCSI	Yes
Mexico - INSQ	No (lithium acetate)
Vietnam - NCI	Yes
Russia - FBEPH	No (lithium acetate)
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	20/01/2025
Initial Date	20/01/2025

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
- ▶ 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
- ▶ PNEC: Predicted no-effect concentration
- MARPOL: International Convention for the Prevention of Pollution from Ships
- ▶ IMSBC: International Maritime Solid Bulk Cargoes Code
- IGC: International Gas Carrier Code
- IBC: International Bulk Chemical Code
- AIIC: Australian Inventory of Industrial Chemicals
- ▶ 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
- ▶ INSQ: Inventario Nacional de Sustancias Químicas
- NCI: National Chemical Inventory
- FBEPH: Russian Register of Potentially Hazardous Chemical and Biological Substances

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TEL (+61 3) 9572 4700.