

Griffiths Equipment Limited Chemwatch: 5375-26 Version No: 2.1.1.1 Safety Data Sheet according to HSNO Regulations Chemwatch Hazard Alert Code: 1

Issue Date: **29/10/2019** Print Date: **31/10/2019** S.GHS.NZL.EN

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

#### Product Identifier

Product name	Little Joe MINI Blister Vanilla
Synonyms	LJMB001N
Other means of identification	Not Available
Relevant identified uses of the substance or mixture and uses advised against	

	J J
Relevant identified uses	Air Freshener. SDS are intended for use in the workplace. For domestic-use products, refer to consumer labels. Use according to manufacturer's directions.

#### Details of the supplier of the safety data sheet

Registered company name	Griffiths Equipment Limited
Address	19 Bell Ave, Mount Wellington Auckland 1060 New Zealand
Telephone	+64 9 525 4575
Fax	Not Available
Website	www.griffithsequipment.co.nz
Email	sales@griffithsequipment.co.nz

#### Emergency telephone number

Association / Organisation	NZ NATIONAL POISONS CENTRE
Emergency telephone numbers	0800 POISON or 0800 764-766
Other emergency telephone numbers	International: +64 3 479-7227

# **SECTION 2 HAZARDS IDENTIFICATION**

### Classification of the substance or mixture

Classification <sup>[1]</sup>	Acute Toxicity (Inhalation) Category 5, Acute Toxicity (Oral) Category 5, Skin Sensitizer Category 1, Acute Aquatic Hazard Category 2, Chronic Aquatic Hazard Category 4	
Legend:	1. Classified by Chemwatch; 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	6.1E (inhalation), 6.1E (oral), 6.5B (contact), 9.1D	
abel elements		
Hazard pictogram(s)		
SIGNAL WORD	WARNING	
azard statement(s)		
H333	May be harmful if inhaled.	
H303	May be harmful if swallowed.	

H401	Toxic to aquatic life.
H413	May cause long lasting harmful effects to aquatic life.
Precautionary statement(s) Pre	evention
P280	Wear protective gloves/protective clothing/eye protection/face protection.
P261	Avoid breathing dust/fumes.
P273	Avoid release to the environment.
P272	Contaminated work clothing should not be allowed out of the workplace.
Precautionary statement(s) Re	sponse
P321	Specific treatment (see advice on this label).
D202 - D252	IF ON SKINI Week with electry of water and each

P302+P352	IF ON SKIN: Wash with plenty of water and soap.
P304+P312	IF INHALED: Call a POISON CENTER/doctor/physician/first aider/if you feel unwell.
P333+P313	If skin irritation or rash occurs: Get medical advice/attention.

Take off contaminated clothing and wash it before reuse.

#### Precautionary statement(s) Storage

P362+P364

Not Applicable

#### 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
1222-05-5	<1.25	galaxolide
120-51-4	<1.25	benzyl benzoate
Not Available	balance	Ingredients determined not to be hazardous

# **SECTION 4 FIRST AID MEASURES**

#### Description of first aid measures

Eye Contact	<ul> <li>If this product comes in contact with the eyes:</li> <li>Wash out immediately with fresh running water.</li> <li>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.</li> <li>Seek medical attention without delay; if pain persists or recurs seek medical attention.</li> <li>Removal of contact lenses after an eye injury should only be undertaken by skilled personnel.</li> </ul>
Skin Contact	<ul> <li>If skin contact occurs:</li> <li>Immediately remove all contaminated clothing, including footwear.</li> <li>Flush skin and hair with running water (and soap if available).</li> <li>Seek medical attention in event of irritation.</li> </ul>
Inhalation	<ul> <li>If fumes, aerosols or combustion products are inhaled remove from contaminated area.</li> <li>Other measures are usually unnecessary.</li> </ul>
Ingestion	<ul> <li>If swallowed do NOT induce vomiting.</li> <li>If vomiting occurs, lean patient forward or place on left side (head-down position, if possible) to maintain open airway and prevent aspiration.</li> <li>Observe the patient carefully.</li> <li>Never give liquid to a person showing signs of being sleepy or with reduced awareness; i.e. becoming unconscious.</li> <li>Give water to rinse out mouth, then provide liquid slowly and as much as casualty can comfortably drink.</li> <li>Seek medical advice.</li> </ul>

Indication of any immediate medical attention and special treatment needed

Treat symptomatically.

# **SECTION 5 FIREFIGHTING MEASURES**

### Extinguishing media

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

### Special hazards arising from the substrate or mixture

Fire Incompatibility

Avoid contamination with oxidising agents i.e. nitrates, oxidising acids, chlorine bleaches, pool chlorine etc. as ignition may result
 Avoid strong acids, acid chlorides, acid anhydrides and chloroformates.

	Avoid strong bases.
Advice for firefighters	
Fire Fighting	<ul> <li>Alert Fire Brigade and tell them location and nature of hazard.</li> <li>Wear breathing apparatus plus protective gloves.</li> <li>Prevent, by any means available, spillage from entering drains or water courses.</li> <li>Use water delivered as a fine spray to control fire and cool adjacent area.</li> <li>DO NOT approach containers suspected to be hot.</li> <li>Cool fire exposed containers with water spray from a protected location.</li> <li>If safe to do so, remove containers from path of fire.</li> <li>Equipment should be thoroughly decontaminated after use.</li> </ul>
Fire/Explosion Hazard	<ul> <li>Combustible.</li> <li>Slight fire hazard when exposed to heat or flame.</li> <li>Heating may cause expansion or decomposition leading to violent rupture of containers.</li> <li>On combustion, may emit toxic fumes of carbon monoxide (CO).</li> <li>May emit acrid smoke.</li> <li>Mists containing combustible materials may be explosive.</li> <li>Combustion products include:</li> <li>carbon dioxide (CO2)</li> <li>nitrogen oxides (NOx)</li> <li>other pyrolysis products typical of burning organic material.</li> </ul>

# 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	<ul> <li>Clean up all spills immediately.</li> <li>Avoid contact with skin and eyes.</li> <li>Wear impervious gloves and safety goggles.</li> <li>Trowel up/scrape up.</li> <li>Place spilled material in clean, dry, sealed container.</li> <li>Flush spill area with water.</li> </ul>
Major Spills	<ul> <li>Clear area of personnel and move upwind.</li> <li>Alert Fire Brigade and tell them location and nature of hazard.</li> <li>Control personal contact with the substance, by using protective equipment.</li> <li>Prevent spillage from entering drains, sewers or water courses.</li> <li>Recover product wherever possible.</li> <li>Put residues in labelled containers for disposal.</li> <li>If contamination of drains or waterways occurs, advise emergency services.</li> </ul>

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

# SECTION 7 HANDLING AND STORAGE

# Precautions for safe handling

Safe handling	<ul> <li>Limit all unnecessary personal contact.</li> <li>Wear protective clothing when risk of exposure occurs.</li> <li>Use in a well-ventilated area.</li> <li>Avoid contact with incompatible materials.</li> <li>When handling, DO NOT eat, drink or smoke.</li> <li>Keep containers securely sealed when not in use.</li> <li>Avoid physical damage to containers.</li> <li>Always wash hands with soap and water after handling.</li> <li>Work clothes should be laundered separately.</li> <li>Use good occupational work practice.</li> <li>Observe manufacturer's storage and handling recommendations contained within this SDS.</li> <li>Atmosphere should be regularly checked against established exposure standards to ensure safe working conditions are maintained.</li> </ul>
Other information	<ul> <li>Store in original containers.</li> <li>Keep containers securely sealed.</li> <li>Store in a cool, dry, well-ventilated area.</li> <li>Store away from incompatible materials and foodstuff containers.</li> <li>Protect containers against physical damage and check regularly for leaks.</li> <li>Observe manufacturer's storage and handling recommendations contained within this SDS.</li> </ul>

Suitable container	<ul> <li>Metal can or drum</li> <li>Packaging as recommended by manufacturer.</li> <li>Check all containers are clearly labelled and free from leaks.</li> </ul>
Storage incompatibility	Avoid contamination of water, foodstuffs, feed or seed. ► Avoid reaction with oxidising agents

### SECTION 8 EXPOSURE CONTROLS / PERSONAL PROTECTION

### **Control parameters**

Control parameters				
OCCUPATIONAL EXPOSURE LIM	IITS (OEL)			
lot Available				
Ingredient		EEL-1		EEL-3
benzyl benzoate	Benzyl benzoate 5.	.7 mg/m3	63 mg/m3 3	80 mg/m3
Ingredient	Original IDLH		Revised IDLH	
galaxolide	Not Available		Not Available	
benzyl benzoate	Not Available		Not Available	
OCCUPATIONAL EXPOSURE BAI	NDING			
Ingredient	Occupational Exposure Band Rating		Occupational Exposure Band Limit	
galaxolide	D		> 0.1 to ≤ 1 ppm	
benzyl benzoate	E		≤ 0.1 ppm	
Notes:	Occupational exposure banding is a process of a adverse health outcomes associated with exposu range of exposure concentrations that are expect	re. The output of this pr	specific categories or bands based on a ch ocess is an occupational exposure band ((	
xposure controls				
Appropriate engineering controls	None required when handling small quantities. OTHERWISE: Engineering controls are used to remove a hazard be highly effective in protecting workers and will t The basic types of engineering controls are: Process controls which involve changing the way Enclosure and/or isolation of emission source whi "adds" and "removes" air in the work environment ventilation system must match the particular proce Employers may need to use multiple types of con General exhaust is adequate under normal operal essential to obtain adequate protection. Provide a workplace possess varying "escape" velocities wh remove the contaminant. Type of Contaminant: solvent, vapours, degreasing etc., evaporating to aerosols, fumes from pouring operations, interm drift, plating acid fumes, pickling (released at lo direct spray, spray painting in shallow booths, d	ypically be independent a job activity or process ich keeps a selected ha t. Ventilation can remov ess and chemical or con trols to prevent employed ting conditions. If risk of adequate ventilation in v nich, in turn, determine from tank (in still air) nittent container filling, I w velocity into zone of a	of worker interactions to provide this high s is done to reduce the risk. zard "physically" away from the worker and e or dilute an air contaminant if designed p ntaminant in use. see overexposure. If overexposure exists, wear SAA approved varehouse or closed storage areas. Air con the "capture velocities" of fresh circulating a ow speed conveyer transfers, welding, spra active generation)	evel of protection. I ventilation that strategically roperly. The design of a respirator. Correct fit is taminants generated in the star required to effectively Air Speed: 0.25-0.5 m/s (50-100 f/min) ay 0.5-1 m/s (100-200 f/min.) 1-2.5 m/s (200-500
	generation into zone of rapid air motion) grinding, abrasive blasting, tumbling, high speed wheel generated dusts (released at high initial velocity into zone of very high rapid air motion).		f/min) of 2.5-10 m/s (500-2000 f/min.)	
	Within each range the appropriate value depends			
	Lower end of the range		d of the range	
	1: Room air currents minimal or favourable to c		ing room air currents	
	2: Contaminants of low toxicity or of nuisance v		Contaminants of high toxicity	
	3: Intermittent, low production.		oduction, heavy use	
	4: Large hood or large air mass in motion Simple theory shows that air velocity falls rapidly with the square of distance from the extraction po accordingly, after reference to distance from the c of 1-2 m/s (200-400 f/min.) for extraction of solver considerations, producing performance deficits wi factors of 10 or more when extraction systems are	with distance away from int (in simple cases). T contaminating source. T nts generated in a tank ithin the extraction appa	herefore the air speed at the extraction poi The air velocity at the extraction fan, for exa 2 meters distant from the extraction point.	nt should be adjusted, mple, should be a minimum Other mechanical
Personal protection				
Eye and face protection	<ul> <li>No special equipment for minor exposure i.e. when handling small quantities.</li> <li>OTHERWISE:</li> <li>Safety glasses with side shields.</li> <li>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 removed at the first signs of eye redness or irritation - lens should be removed a clean environment only after workers have washed hands thoroughly. [CDC NIOSH Current Intelligence Bulletin 59], [AS/NZS 1336 or</li> </ul>			

	national equivalent]
Skin protection	See Hand protection below
Hands/feet protection	Wear general protective gloves, eg. light weight rubber gloves.
Body protection	See Other protection below
Other protection	No special equipment needed when handling small quantities. OTHERWISE: • Overalls. • Barrier cream. • Eyewash unit.

#### **Respiratory protection**

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

Required Minimum Protection Factor	Half-Face Respirator	Full-Face Respirator	Powered Air Respirator
up to 10 x ES	A P1 Air-line*		A PAPR-P1 -
up to 50 x ES	Air-line**	A P2	A PAPR-P2
up to 100 x ES	-	A P3	-
		Air-line*	-
100+ x ES	-	Air-line**	A PAPR-P3

\* - Negative pressure demand \*\* - Continuous flow

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)

# SECTION 9 PHYSICAL AND CHEMICAL PROPERTIES

### Information on basic physical and chemical properties

Appearance Yellow scented polymer pad with vanilla odour; does not mix with water.

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

### SECTION 10 STABILITY AND REACTIVITY

Reactivity	See section 7
Chemical stability	<ul> <li>Unstable in the presence of incompatible materials.</li> <li>Product is considered stable.</li> <li>Hazardous polymerisation will not occur.</li> </ul>
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 Not normally a hazard due to non-volatile nature of product The material is not thought to produce adverse health effects or irritation of the respiratory tract (as classified by EC Directives using animal models). Nevertheless, good hygiene practice requires that exposure be kept to a minimum and that suitable control measures be used in an

	occupational setting.		
		strial environments Ingestion may result in nausea, abdominal irritation, pain and	
Ingestion	vomiting		
Skin Contact	The material may cause skin irritation after prolonged or vesicles, scaling and thickening of the skin.	repeated exposure and may produce on contact skin redness, swelling, the production of	
Eye	The material may be irritating to the eye, with prolonged conjunctivitis.	contact causing inflammation. Repeated or prolonged exposure to irritants may produce	
Chronic	Skin contact with the material is more likely to cause a se Sensitisation may result in allergic dermatitis responses in	ensitisation reaction in some persons compared to the general population. including rash, itching, hives or swelling of extremities.	
	ΤΟΧΙΟΙΤΥ	IRRITATION	
Little Joe MINI Blister Vanilla	Not Available	Not Available	
	тохісіту	IRRITATION	
galaxolide	dermal (rat) LD50: >5000 mg/kg <sup>[2]</sup>	Skin (rabbit): 500 mg/24h - mod	
	Oral (rat) LD50: >3250 mg/kg <sup>[2]</sup>		
	τοχιζιτγ	IRRITATION	
benzyl benzoate	dermal (rat) LD50: 4000 mg/kg <sup>[2]</sup>	Not Available	
	Oral (rat) LD50: 500 mg/kg <sup>[2]</sup>		
Legend:	<ol> <li>Value obtained from Europe ECHA Registered Substa specified data extracted from RTECS - Register of Toxic</li> </ol>	ances - Acute toxicity 2.* Value obtained from manufacturer's SDS. Unless otherwise Effect of chemical Substances	
	,		
GALAXOLIDE	The material may cause skin irritation after prolonged or repeated exposure and may produce on contact skin redness, swelling, the production of vesicles, scaling and thickening of the skin. There is increasing evidence emerging that some nitromusks and polycyclic musks, including those commonly used in perfumes, may be capable (either as parent compounds or as metabolites) of interfering with hormone communication systems in fish, amphibians and mammals, and may exacerbate the effects of exposure to other toxic chemicals. Changes in liver weight, maternal effects, foetotoxicity reported.		
BENZYL BENZOATE	For certain benzyl derivatives: The members of this group are rapidly absorbed through the gastrointestinal tract, metabolised primarily in the liver, and excreted primarily in the urine either unchanged or as conjugates of benzoic acid derivatives. At high dose levels, gut micro-organisms may act to produce minor amour of breakdown products. However, no adverse effects have been reported even at repeated high doses. Similarly, no effects were observed on reproduction, foetal development and tumour potential. This is a member or analogue of a group of benzyl derivatives generally regarded as safe (GRAS), based partly on their self-limiting properties flavouring substances in food. In humans and other animals, they are rapidly absorbed, broken down and excreted, with a wide safety margin. They also lack significant potential to cause genetic toxicity and mutations. The intake of benzyl derivatives as natural components of traditional foods is actually higher than the intake as intentionally added flavouring substances.		
GALAXOLIDE & BENZYL BENZOATE	eczema involves a cell-mediated (T lymphocytes) immur involve antibody-mediated immune reactions. The signifi distribution of the substance and the opportunities for coi- distributed can be a more important allergen than one wi clinical point of view, substances are noteworthy if they p Adverse reactions to fragrances in perfumes and fragran sensitivity to light, immediate contact reactions, and pigm allergy is a lifelong condition, so symptoms may occur or impairment of quality of life and potential consequences If the perfume contains a sensitizing component, intolera coughing, phlegm, wheezing, chest tightness, headache, respiratory diseases. Perfumes can induce excess reacti carbon filter mask had no protective effect. Occupational asthma caused by perfume substances, su persistent symptoms, even though the exposure is below important objective of public health risk management. Hands: Contact sensitization may be the primary cause of	teczema, more rarely as urticaria or Quincke's oedema. The pathogenesis of contact ne reaction of the delayed type. Other allergic skin reactions, e.g. contact urticaria, cance of the contact allergen is not simply determined by its sensitisation potential: the ntact with it are equally important. A weakly sensitising substance which is widely ith stronger sensitising potential with which few individuals come into contact. From a produce an allergic test reaction in more than 1% of the persons tested. Icced cosmetic products include allergic contact dermatitis, irritant contact dermatitis, nented contact dermatitis. Airborne and connubial contact dermatitis occurs. Contact in re-exposure. Allergic contact dermatitis can be severe and widespread, with significant	

salicylate, hydroxycitronellal, sandalwood oil, geraniol and geranium oil. Light reactions: Musk ambrette produced a number of allergic reactions mediated by light and was later banned from use in Europe. Furocoumarins (psoralens) in some plant-derived fragrances have caused phototoxic reactions, with redness. There are now limits for the amount of furocoumarins in fragrances. Phototoxic reactions still occur, but are rare.

General/respiratory: Fragrances are volatile, and therefore, in addition to skin exposure, a perfume also exposes the eyes and the nose / airway. It is estimated that 2-4% of the adult population is affected by respiratory or eye symptoms by such an exposure. It is known that exposure to fragrances may exacerbate pre-existing asthma. Asthma-like symptoms can be provoked by sensory mechanisms. A significant association was found between respiratory complaints related to fragrances and contact allergy to fragrance ingredients and hand eczema.

Fragrance allergens act as haptens, low molecular weight chemicals that cause an immune response only when attached to a carrier protein. However, not all sensitizing fragrance chemicals are directly reactive, but require previous activation. A prehapten is a chemical that itself causes little or no sensitization, but is transformed into a hapten in the skin (bioactivation), usually via enzyme catalysis. It is not always possible to know whether a particular allergen that is not directly reactive acts as a prehapten or a prohapten , or both. Prohaptens: Compounds that are bioactivated in the skin and thereby form haptens are referred to prohaptens. The possibility of a prohapten being activated cannot be avoided by outside measures. Activation processes increase the risk for cross-reactivity between fragrance substances. Various enzymes play roles in both activating and deactivating prohaptens. Skin-sensitizing prohaptens can be recognized and grouped into chemical classes based on knowledge of xenobiotic bioactivation reactions, clinical observations and/or studies of sensitization. QSAR prediction: Prediction of sensitization activity of these substances is complex, especially for those substances that can act both as preand prohaptens Acute Toxicity ~ Carcinogenicity × Skin Irritation/Corrosion × Reproductivity × × × Serious Eye Damage/Irritation STOT - Single Exposure Respiratory or Skin ~ × STOT - Repeated Exposure sensitisation X Mutagenicity **Aspiration Hazard** ×

Legend: X – Data

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

### **SECTION 12 ECOLOGICAL INFORMATION**

#### Toxicity

Little Joe MINI Blister Vanilla	ENDPOINT	TEST DURATION (HR)	SPECIES	VALUE	SOURCE
	Not Available	Not Available	Not Available	Not Available	Not Available
	ENDPOINT	TEST DURATION (HR)	SPECIES	VALUE	SOURCE
	LC50	96	Fish	0.039mg/L	3
galaxolide	EC50	48	Crustacea	0.3mg/L	2
	EC50	96	Algae or other aquatic plants	0.043mg/L	3
	NOEC	132.0	Crustacea	0.037mg/L	2
	ENDPOINT	TEST DURATION (HR)	SPECIES	VALUE	SOURCI
	LC50	96	Fish	1.9mg/L	1
benzyl benzoate	EC50	48	Crustacea	3.09mg/L	2
	EC50	72	Algae or other aquatic plants	0.311mg/L	2
	NOEC	72	Algae or other aquatic plants	0.065mg/L	2

Harmful to aquatic organisms, may cause long-term adverse effects in the aquatic environment. DO NOT discharge into sewer or waterways.

### Persistence and degradability

Ingredient	Persistence: Water/Soil	Persistence: Air
galaxolide	HIGH	HIGH
benzyl benzoate	HIGH	HIGH

Data 6. NITE (Japan) - Bioconcentration Data 7. METI (Japan) - Bioconcentration Data 8. Vendor Data

#### **Bioaccumulative potential**

Ingredient	Bioaccumulation
galaxolide	HIGH (LogKOW = 5.9183)
benzyl benzoate	MEDIUM (LogKOW = 3.97)

#### Mobility in soil

Ingredient	Mobility
galaxolide	LOW (KOC = 10380)
benzyl benzoate	LOW (KOC = 3119)

# SECTION 13 DISPOSAL CONSIDERATIONS

Waste treatment methods		
	<ul> <li>Recycle wherever possible or consult manufacturer for recycling options.</li> <li>Consult State Land Waste Authority for disposal.</li> </ul>	
Product / Packaging disposal	<ul> <li>Bury or incinerate residue at an approved site.</li> </ul>	

Recycle containers if possible, or dispose of in an authorised landfill.

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. Only dispose to the environment if a tolerable exposure limit has been set for the substance.

Only deposit the hazardous substance into or onto a landfill or sewage facility or incinerator, where the hazardous substance can be handled and treated appropriately.

### **SECTION 14 TRANSPORT INFORMATION**

# Labels Required

Marine Pollutant	NO
HAZCHEM	Not Applicable

### Land transport (UN): NOT REGULATED FOR TRANSPORT OF DANGEROUS GOODS

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

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

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

Not Applicable

### **SECTION 15 REGULATORY INFORMATION**

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

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

HSR Number	Group Standard	
HSR002578	Food Additives and Fragrance Materials (Subsidiary Hazard) Group Standard 2017	
GALAXOLIDE IS FOUND ON THE	FOLLOWING REGULATORY LISTS	
International Air Transport Association (IATA) Dangerous Goods Regulations International Maritime Dangerous Goods Reguirements (IMDG Code)		New Zealand Land Transport Rule: Dangerous Goods 2005 - Schedule 1 Quantity limits
New Zealand Inventory of Chemicals (NZIoC)		New Zealand Land Transport Rule: Dangerous Goods 2005 - Schedule 3 Segregation requirements for dangerous goods
		United Nations Recommendations on the Transport of Dangerous Goods Model Regulations
BENZYL BENZOATE IS FOUND O	IN THE FOLLOWING REGULATORY LISTS	
International Air Transport Associat	ion (IATA) Dangerous Goods Regulations	New Zealand Inventory of Chemicals (NZIoC)
International Maritime Dangerous Goods Requirements (IMDG Code)		New Zealand Land Transport Rule: Dangerous Goods 2005 - Schedule 1 Quantity limits
New Zealand Hazardous Substances and New Organisms (HSNO) Act - Classification of Chemicals		
		United Nations Recommendations on the Transport of Dangerous Goods Model
New Zealand Hazardous Substances and New Organisms (HSNO) Act - Classification of Chemicals - Classification Data		Regulations

#### **Hazardous Substance Location**

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

Hazard Class	Quantity beyond which controls apply for closed containers	Quantity beyond which controls apply when use occurring in open containers	
Not Applicable	Not Applicable	Not Applicable	

#### **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

#### **Tracking Requirements**

Not Applicable

#### **National Inventory Status**

National Inventory	Status	
Australia - AICS	2S	
Canada - DSL	Yes	
Canada - NDSL	No (galaxolide; benzyl benzoate)	
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 - ARIPS	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 and are not exempt from listing(see specific ingredients in brackets)

### **SECTION 16 OTHER INFORMATION**

Revision Date	29/10/2019
Initial Date	29/10/2019

#### **SDS Version Summary**

Version	Issue Date	Sections Updated
2.1.1.1	29/10/2019	Appearance, Chronic Health, Environmental, Fire Fighter (fire/explosion hazard), Fire Fighter (fire incompatibility), Instability Condition, Physical Properties, Synonyms

#### 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
- OSF: Odour Safety Factor
- NOAEL :No Observed Adverse Effect Level
- LOAEL: Lowest Observed Adverse Effect Level
- TLV: Threshold Limit Value
- LOD: Limit Of Detection OTV: Odour Threshold Value
- BCF: BioConcentration Factors
- BEI: Biological Exposure Index

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