

E43

BARNES PRODUCTS PTY LTD

Chemwatch: 5258-16 Version No: 7.1 Chemwatch Hazard Alert Code: 2

Issue Date: **17/03/2023** Print Date: **08/06/2023** S.GHS.NZL.EN.E

Safety Data Sheet according to the Health and Safety at Work (Hazardous Substances) Regulations 2017

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

Product Identifier

Product name	E43
Chemical Name	Not Applicable
Synonyms	ELASTOSIL E43 TRAN 01,; ELASTOSIL E43 TRANSLUCENT 01
Chemical formula	Not Applicable
Other means of identification	Not Available

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

Relevant identified uses	Industrial. Adhesive / sealant .
Relevant lucitatieu uses	Use according to manufacturer's directions.

Details of the manufacturer or supplier of the safety data sheet

Registered company name	BARNES PRODUCTS PTY LTD
Address	5 GREENHILLS AVE MOOREBANK NSW 2170 Australia
Telephone	Barnes Australia +612 9793 7555 Mon-Fri 8am-4:30pm
Fax	Barnes Australia +612 9793 7091
Website	www.barnesnz.co.nz
Email	sales@barnes.com.au

Emergency telephone number

Association / Organisation	New Zealand Poisons Information Centre	
Emergency telephone numbers	Barnes NZ +649 9731 816 - Monday-Thursday 9am-5pm Friday 9am-4.30pm	
Other emergency telephone numbers	New Zealand Poisons Information Centre 0800 764 766 After Hours	

SECTION 2 Hazards identification

Classification of the substance or mixture

Classification ^[1]	Skin Corrosion/Irritation Category 2, Serious Eye Damage/Eye Irritation Category 1	
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	6.3A, 8.3A	

Label elements

Hazard pictogram(s)	
Signal word	Danger
Hazard statement(s)	
H315	Causes skin irritation.
H318	Causes serious eye damage.

Precautionary statement(s) Prevention

P280	Wear protective gloves, protective clothing, eye protection and face protection.
P264	Wash all exposed external body areas thoroughly after handling.

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.	
P310	Immediately call a POISON CENTER/doctor/physician/first aider.	
P302+P352	IF ON SKIN: Wash with plenty of water and soap.	
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

Not Applicable

Precautionary statement(s) Disposal

Not Applicable

SECTION 3 Composition / information on ingredients

Substances

See section below for composition of Mixtures

Mixtures

CAS No	%[weight]	Name
4253-34-3	<5	methyltriacetoxysilane
71-23-8	<1	n-propanol
1067-33-0	<0.1	dibutyltin diacetate
Not Available	NotSpec	Polydimethylsiloxane and fillers and auxiliaries and acetoxysilane cross-linker
64-19-7	NotSpec	acetic acid glacial
Not Available	NotSpec	tin compounds
Legend:	 Classified by Chemwatch; 2. Classification drawn from CCID EPA NZ; 3. Classification drawn from Regulation (EU) No 1272/2008 - Annex VI; Classification drawn from C&L * EU IOELVs available 	

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	 Immediately give a glass of water. First aid is not generally required. If in doubt, contact a Poisons Information Centre or a doctor. 	

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
dvice for firefighters	

Advice for firefighters		
Fire Fighting	 Alert Fire Brigade and tell them location and nature of hazard. Wear breathing apparatus plus protective gloves. Prevent, by any means available, spillage from entering drains or water courses. Use water delivered as a fine spray to control fire and cool adjacent area. DO NOT approach containers suspected to be hot. Cool fire exposed containers with water spray from a protected location. If safe to do so, remove containers from path of fire. 	

	 Combustible. Slight fire hazard when exposed to heat or flame. Heating may cause expansion or decomposition leading to violent rupture of containers. On combustion, may emit toxic fumes of carbon monoxide (CO). May emit acrid smoke.
Fire/Explosion Hazard	Mists containing combustible materials may be explosive.
	Combustion products include:
	carbon dioxide (CO2)
	other pyrolysis products typical of burning organic material.
	May emit poisonous fumes.
	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 contact with skin and eyes. Wear impervious gloves and safety goggles. Trowel up/scrape up. Place spilled material in clean, dry, sealed container. Flush spill area with water.
Major Spills	 Minor hazard. Clear area of personnel. Alert Fire Brigade and tell them location and nature of hazard. Control personal contact with the substance, by using protective equipment as required. Prevent spillage from entering drains or water ways. Contain spill with sand, earth or vermiculite. Collect recoverable product into labelled containers for recycling.

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

SECTION 7 Handling and storage

Precautions for safe handling

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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.
Other information	 Store in original containers. Keep containers securely sealed. Store in a cool, dry, well-ventilated area. 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	 Metal can or drum Packaging as recommended by manufacturer. Check all containers are clearly labelled and free from leaks.
Storage incompatibility	 Acetic acid: vapours forms explosive mixtures with air (above 39 C.) reacts violently with bases such as carbonates and hydroxides (giving off large quantities of heat), oxidisers, organic amines, acetaldehyde, potassium tert-butoxide reacts (sometimes violently), with strong acids, aliphatic amines, alkanolamines, alkylene oxides, epichlorohydrin, acetic anhydride, 2-aminoethanol, ammonium nitrate, bromine pentafluoride, chlorosulfonic acid, chromic acid, chromium tritoxide, ethylenediamine, ethyleneimine, hydrogen peroxide, isocyanates, oleum, perchloric acid, permanganates, phosphorus isocyanate, phosphorus trichloride, sodium peroxide, xylene attacks cast iron, stainless steel and other metals, forming flammable hydrogen gas Avoid reaction with oxidising agents

SECTION 8 Exposure controls / personal protection

Control parameters

Occupational Exposure Limits (OEL)

INGREDIENT DATA

Source	Ingredient	Material name	TWA	STEL	Peak	Notes
New Zealand Workplace	n-propanol	n-Propyl alcohol	200 ppm / 492	614 mg/m3 / 250	Not	(skin) - Skin absorption

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Wear safety footwear or safety gumboots, e.g. Rubber	Skin protection	See Hand prote	ction below					
Body protection See Other protection below	Hands/feet protection							
	Body protection	See Other prote	ction below					

Skin cleansing cream.
Eye wash unit.

Other protection

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 $\ensuremath{\textit{computer-generated}}$ selection:

Overalls.P.V.C apron.

Barrier cream.

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Material	CPI
NEOPRENE	А
NITRILE+PVC	А
TEFLON	А
NITRILE	В
BUTYL	С
BUTYL/NEOPRENE	С
NAT+NEOPR+NITRILE	С
NATURAL RUBBER	С
NATURAL+NEOPRENE	С
NEOPRENE/NATURAL	С
PE	С

Respiratory protection

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

PE/EVAL/PE	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.

SECTION 9 Physical and chemical properties

Information on basic physical and chemical properties

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

nformation on basic physical and chemical properties					
Appearance	Transparent paste with a pungent odour; does not mix with water.				
Physical state	Non Slump Paste	Relative density (Water = 1)	1.09		
Odour	Not Available	Partition coefficient n-octanol / water	Not Available		
Odour threshold	Not Available	Auto-ignition temperature (°C)	~460		
pH (as supplied)	Not Applicable	Decomposition temperature (°C)	Not Available		
Melting point / freezing point (°C)	Not Available	Viscosity (cSt)	300000 @ 25 degC		
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	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	Product is considered stable and hazardous polymerisation will not occur.
Possibility of hazardous reactions	See section 7
Conditions to avoid	See section 7
Incompatible materials	See section 7
Hazardous decomposition products	See section 5

SECTION 11 Toxicological information

Information on toxicological effects

Inhaled	The material is not thought to produce adverse health effects or irritation of the respiratory tract (as classified by EC Directives using animal models). Nevertheless, good hygiene practice requires that exposure be kept to a minimum and that suitable control measures be used in an occupational setting.		
Ingestion	Although ingestion is not thought to produce harmful effects (as classified under EC Directives), the material may still be damaging to the health of the individual, following ingestion, especially where pre-existing organ (e.g. liver, kidney) damage is evident.		
Skin Contact	This material can cause inflammation of the skin on contact in some persons. The material may accentuate any pre-existing dermatitis condition Open cuts, abraded or irritated skin should not be exposed to this material Entry into the blood-stream, through, for example, cuts, abrasions or lesions, may produce systemic injury with harmful effects. Examine the skin prior to the use of the material and ensure that any external damage is suitably protected.		
Eye	This material can cause eye irritation and damage in some persons.		
Chronic	Substance accumulation, in the human body, may occur and may cause some concern following repeated or long-term occupational exposure.		
E43	TOXICITY IRRITATION		

	Dermal (Rabbit) LD50: >2009 mg/kg ^[2]	Not Available	
	Oral (Rat) LD50: >2000 mg/kg ^[2]		
	ΤΟΧΙΟΙΤΥ	IRRITATION	
methyltriacetoxysilane	Oral (Rat) LD50: 1550 mg/kg ^[1]		ct observed (irreversible damage) ^[1]
methymacetoxysnane			ect observed (corrosive) ^[1]
	ΤΟΧΙΟΙΤΥ	IRRITATION	
	Dermal (rabbit) LD50: 5040 mg/kg ^[2]	Eye (rabbit): 20 m	ng/24h moderate
n-propanol	Inhalation(Rat) LC50: >33.8 mg/l4h ^[1]	Eye (rabbit): 4 mg	
in-propanor	Oral (Rat) LD50: 1870 mg/kg ^[2]	Skin (rabbit): 20 n	
		Skin (rabbit): 500	-
	ΤΟΧΙCΙΤΥ	IRRITATION	
dibutultin diagotata	Dermal (rabbit) LD50: 2318 mg/kg ^[2]	Not Available	
dibutyltin diacetate	Oral (Rat) LD50: 32 mg/kg ^[2]		
		IRRITATION	
acetic acid glacial	Dermal (rabbit) LD50: 1060 mg/kg ^[2]		mg (open)-SEVERE
	Inhalation(Mouse) LC50; 1.405 mg/L4h ^[2]	Skin (human):50n	-
	Oral (Rat) LD50: 3310 mg/kg ^[2]	Skin (rabbit):525n	ng (open)-SEVERE
Legend:	 Value obtained from Europe ECHA Registered Substa specified data extracted from RTECS - Register of Toxic 	-	ed from manufacturer's SDS. Unless otherwise
IETHYLTRIACETOXYSILANE	The material may produce moderate eye irritation leadin conjunctivitis. The material may produce respiratory tract irritation, and Clinical signs of acute methyltriacetoxysilane poisoning i stains around the snout and extremities, salivation, exce urination, black/brown anogenital staining, paleness, and	I result in damage to the lung includir in animals include decreased body w ssive tear (sometimes coloured) prod d low body temperature. Autopsy sho	ng reduced lung function. reight and food intake, labored breathing, rales, re- duction, lethargy, irregular gait, hunched posture, r wed multiple abnormalities of the stomach.
NETHYLTRIACETOXYSILANE	conjunctivitis. The material may produce respiratory tract irritation, and Clinical signs of acute methyltriacetoxysilane poisoning i stains around the snout and extremities, salivation, exce urination, black/brown anogenital staining, paleness, and Methyltriacetoxysilane is severely irritating and corrosive acid, it is likely to irritate the airway. Tests on laboratory cells have not shown methyltriacetor	I result in damage to the lung includir in animals include decreased body w issive tear (sometimes coloured) prod d low body temperature. Autopsy sho to the skin, and corrosive to the eye kysilane to cause mutations or chrom	ng reduced lung function. eight and food intake, labored breathing, rales, re duction, lethargy, irregular gait, hunched posture, wed multiple abnormalities of the stomach. es of animals; as it is broken down by water to ace nosomal aberrations.
METHYLTRIACETOXYSILANE DIBUTYLTIN DIACETATE	conjunctivitis. The material may produce respiratory tract irritation, and Clinical signs of acute methyltriacetoxysilane poisoning i stains around the snout and extremities, salivation, exce urination, black/brown anogenital staining, paleness, and Methyltriacetoxysilane is severely irritating and corrosive acid, it is likely to irritate the airway.	I result in damage to the lung includir in animals include decreased body w issive tear (sometimes coloured) prod d low body temperature. Autopsy sho to the skin, and corrosive to the eye kysilane to cause mutations or chrom	ng reduced lung function. eight and food intake, labored breathing, rales, re duction, lethargy, irregular gait, hunched posture, wed multiple abnormalities of the stomach. es of animals; as it is broken down by water to ace nosomal aberrations.
METHYLTRIACETOXYSILANE DIBUTYLTIN DIACETATE ACETIC ACID GLACIAL	conjunctivitis. The material may produce respiratory tract irritation, and Clinical signs of acute methyltriacetoxysilane poisoning i stains around the snout and extremities, salivation, exce urination, black/brown anogenital staining, paleness, and Methyltriacetoxysilane is severely irritating and corrosive acid, it is likely to irritate the airway. Tests on laboratory cells have not shown methyltriacetox Foetal death and specific developmental abnormalities in	I result in damage to the lung includir in animals include decreased body w issive tear (sometimes coloured) prod d low body temperature. Autopsy sho e to the skin, and corrosive to the eye sysilane to cause mutations or chrom involving the central nervous system, e to genetic damage when the pH fall ay protect the cells of the airway from	ng reduced lung function. leight and food intake, labored breathing, rales, re duction, lethargy, irregular gait, hunched posture, wed multiple abnormalities of the stomach. is of animals; as it is broken down by water to ace losomal aberrations. craniofacial area and musculoskeletal system is to about 6.5. Cells from the respiratory tract have
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Legend:

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

Toxicity

	Endpoint	Test Duration (hr)	Species	Value	Source
E43	Not Available	Not Available	Not Available	Not Available	Not Available
	Endpoint	Test Duration (hr)	Species	Value	Source
	NOEC(ECx)	72h	Algae or other aquatic plants	>=3.6mg/l	2
methyltriacetoxysilane	LC50	96h	Fish	>=79<=88mg/l	2
	EC50	72h	Algae or other aquatic plants	>3.6mg/l	2
	EC50	48h	Crustacea	65mg/l	2
	Endpoint	Test Duration (hr)	Species	Value	Sourc
	NOEC(ECx)	504h	Crustacea	68.3mg/l	2
	EC50	96h	Algae or other aquatic plants	4480mg/l	4
n-propanol	EC50	72h	Algae or other aquatic plants	3200-5600mg/l	4
	LC50	96h	Fish	3000-4000mg/l	4
	EC50	48h	Crustacea	3339-3977mg/l	4
	Endpoint	Test Duration (hr)	Species	Value	Sourc
	EC50	72h	Algae or other aquatic plants	0.035mg/l	2
dibutyltin diacetate	EC50	48h	Crustacea	1.4mg/l	2
	EC50(ECx)	72h	Algae or other aquatic plants	0.035mg/l	2
	Endpoint	Test Duration (hr)	Species	Value	Sourc
	EC50(ECx)	24h	Algae or other aquatic plants	0.08mg/l	2
	EC50	72h	Algae or other aquatic plants	29.23mg/l	2
acetic acid glacial	LC50	96h	Fish	31.3-67.6mg/l	2
	EC50	96h	Algae or other aquatic plants	73.4mg/l	4
	EC50	48h	Crustacea	18.9mg/l	2
Legend:	Ecotox databas		CHA Registered Substances - Ecotoxicological Informa Aquatic Hazard Assessment Data 6. NITE (Japan) - I		

For Acetic Acid: Acetic acid and its salts (the acetates) can be grouped together because of their close structural relationships, their natural occurrence in plants and animals, and their fundamental role in cell metabolism.

Atmospheric Fate: Acetic acid is degraded photochemically in the atmosphere to produce hydroxyl radicals (estimated typical half-life of 22 days). Physical removal of acetates on atmospheric particulates may occur via wet or dry deposition.

Aquatic Fate: Natural water will neutralize dilute solutions of acetic acid. Spills of acetic acid on soil will readily biodegrade - the biodegradation rate for acetic acid after 14 days and under aerobic conditions is 74 days. Acetic acid is not expected to bioconcentrate in aquatic systems. Drinking water standards: none available.

DO NOT discharge into sewer or waterways.

Persistence and degradability

Ingredient	Persistence: Water/Soil	Persistence: Air
methyltriacetoxysilane	HIGH	HIGH
n-propanol	LOW	LOW
dibutyltin diacetate	HIGH	HIGH
acetic acid glacial	LOW	LOW

Bioaccumulative potential

Ingredient	Bioaccumulation
methyltriacetoxysilane	LOW (LogKOW = 0.2467)
n-propanol	LOW (LogKOW = 0.25)
dibutyltin diacetate	LOW (LogKOW = 0.8138)
acetic acid glacial	LOW (LogKOW = -0.17)

Mobility in soil

Ingredient	Mobility
methyltriacetoxysilane	LOW (KOC = 35.19)
n-propanol	HIGH (KOC = 1.325)
dibutyltin diacetate	LOW (KOC = 283.7)
acetic acid glacial	HIGH (KOC = 1)

Waste treatment methods

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

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

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

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

Product name	Group
methyltriacetoxysilane	Not Available
n-propanol	Not Available
dibutyltin diacetate	Not Available
acetic acid glacial	Not Available

Transport in bulk in accordance with the IGC Code

Product name	Ship Type
methyltriacetoxysilane	Not Available
n-propanol	Not Available
dibutyltin diacetate	Not Available
acetic acid glacial	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
HSR002521	Animal Nutritional and Animal Care Products Group Standard 2020
HSR002530	Cleaning Products Subsidiary Hazard Group Standard 2020
HSR002535	Gases under Pressure Mixtures Subsidiary Hazard Group Standard 2020
HSR002503	Additives Process Chemicals and Raw Materials Subsidiary Hazard Group Standard 2020
HSR002606	Lubricants Lubricant Additives Coolants and Anti freeze Agents Subsidiary Hazard Group Standard 2020
HSR002612	Metal Industry Products Subsidiary Hazard Group Standard 2020
HSR002624	N.O.S. Subsidiary Hazard Group Standard 2020
HSR002638	Photographic Chemicals Subsidiary Hazard Group Standard 2020
HSR002644	Polymers Subsidiary Hazard Group Standard 2020
HSR002647	Reagent Kits Group Standard 2020
HSR002648	Refining Catalysts Group Standard 2020
HSR002653	Solvents Subsidiary Hazard Group Standard 2020
HSR002670	Surface Coatings and Colourants Subsidiary Hazard Group Standard 2020
HSR002684	Water Treatment Chemicals Subsidiary Hazard Group Standard 2020
HSR100425	Pharmaceutical Active Ingredients Group Standard 2020
HSR002600	Leather and Textile Products Subsidiary Hazard Group Standard 2020
HSR002544	Construction Products Subsidiary Hazard Group Standard 2020

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HSR Number	Group Standard
HSR002549	Corrosion Inhibitors Subsidiary Hazard Group Standard 2020
HSR002552	Cosmetic Products Group Standard 2020
HSR002558	Dental Products Subsidiary Hazard Group Standard 2020
HSR002565	Embalming Products Subsidiary Hazard Group Standard 2020
HSR002571	Fertilisers Subsidiary Hazard Group Standard 2020
HSR002573	Fire Fighting Chemicals Group Standard 2021
HSR002578	Food Additives and Fragrance Materials Subsidiary Hazard Group Standard 2020
HSR002585	Fuel Additives Subsidiary Hazard Group Standard 2020
HSR002596	Laboratory Chemicals and Reagent Kits Group Standard 2020
HSR100580	Tattoo and Permanent Makeup Substances Group Standard 2020
HSR100757	Veterinary Medicines Limited Pack Size Finished Dose Group Standard 2020
HSR100758	Veterinary Medicines Non dispersive Closed System Application Group Standard 2020
HSR100759	Veterinary Medicines Non dispersive Open System Application Group Standard 2020
HSR100592	Agricultural Compounds Special Circumstances Group Standard 2020
HSR100756	Active Ingredients for Use in the Manufacture of Agricultural Compounds Group Standard 2020

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

methyltriacetoxysilane is found on the following regulatory lists	
New Zealand Approved Hazardous Substances with controls	New Zealand Hazardous Substances and New Organisms (HSNO) Act - Classification
New Zealand Hazardous Substances and New Organisms (HSNO) Act - Classification	of Chemicals - Classification Data
of Chemicals	New Zealand Inventory of Chemicals (NZIoC)
n-propanol is found on the following regulatory lists	
New Zealand Approved Hazardous Substances with controls	New Zealand Inventory of Chemicals (NZIoC)
New Zealand Hazardous Substances and New Organisms (HSNO) Act - Classification of Chemicals	New Zealand Workplace Exposure Standards (WES)
New Zealand Hazardous Substances and New Organisms (HSNO) Act - Classification of Chemicals - Classification Data	
dibutyltin diacetate is found on the following regulatory lists	
Chemical Footprint Project - Chemicals of High Concern List	New Zealand Hazardous Substances and New Organisms (HSNO) Act - Classification
New Zealand Approved Hazardous Substances with controls	of Chemicals - Classification Data
New Zealand Hazardous Substances and New Organisms (HSNO) Act - Classification	New Zealand Inventory of Chemicals (NZIoC)
of Chemicals	New Zealand Workplace Exposure Standards (WES)
acetic acid glacial is found on the following regulatory lists	
New Zealand Approved Hazardous Substances with controls	New Zealand Inventory of Chemicals (NZIoC)
New Zealand Hazardous Substances and New Organisms (HSNO) Act - Classification of Chemicals	New Zealand Workplace Exposure Standards (WES)
New Zealand Hazardous Substances and New Organisms (HSNO) Act - Classification of Chemicals - Classification Data	
Hazardous Substance Location	

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

Hazard Class	Quantities
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

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
Not Applicable	Not Applicable	Not Applicable	Not Applicable	Not Applicable

Tracking Requirements

Not Applicable

National Inventory Status

National Inventory	Status
Australia - AIIC / Australia Non-Industrial Use	Yes
Canada - DSL	Yes

National Inventory	Status	
Canada - NDSL	No (methyltriacetoxysilane; n-propanol; dibutyltin diacetate; acetic acid glacial)	
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	No (dibutyltin diacetate)	
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	17/03/2023
Initial Date	20/06/2017

SDS Version Summary

Version	Date of Update	Sections Updated
5.1	23/12/2022	Classification review due to GHS Revision change.
7.1	17/03/2023	Identification of the substance / mixture and of the company / undertaking - Supplier Information, Identification of the substance / mixture and of the company / undertaking - Synonyms, Name

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 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 This document is copyright.

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TEL (+61 3) 9572 4700.