RS Components

Chemwatch Hazard Alert Code: 1

Chemwatch: 5596-45

Version No: 2.1 Safety Data Sheet according to the Health and Safety at Work (Hazardous Substances) Regulations 2017 Issue Date: **03/04/2023** Print Date: **04/04/2023** L.GHS.NZL.EN.E

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

Product Identifier

Product name	DOWSIL Firestop 400 Sealant, White #779-021 (NZ)
Chemical Name	Not Applicable
Synonyms	Manufacturer's Code: 779-021
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	Sealants.
Relevant identified uses	Sediants.

Details of the manufacturer or supplier of the safety data sheet

Registered company name	RS Components
Address	PO Box 12-127 Penrose, Auckland New Zealand
Telephone	+64 27 4747122
Fax	+64 9 579 1700
Website	www.nz.rs-online.com
Email	Not Available

Emergency telephone number

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

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

SECTION 2 Hazards identification

Classification of the substance or mixture

Not considered a Hazardous Substance according to the criteria of the New Zealand Hazardous Substances New Organisms legislation. Not regulated for transport of Dangerous Goods.

Chemwatch Hazard Ratings

	Min Max	
Flammability	1	
Toxicity	0	0 = Minimum
Body Contact	1	1 = Low
Reactivity	1	2 = Moderate
Chronic	0	3 = High 4 = Extreme

Classification ^[1]	Not Applicable
Determined by Chemwatch using GHS/HSNO criteria	Not Available

Label elements

Hazard pictogram(s)	Not Applicable
Signal word	Not Applicable

Hazard statement(s)

Not Applicable

Precautionary statement(s) Response

Not Applicable

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
9003-29-6	5-10	2-butene homopolymer - polybutene
2682-20-4	<0.0015	2-methyl-4-isothiazolin-3-one
Legend:	 Classified by Chemwatch; 2. Classit Classification drawn from C&L * EU 	fication drawn from CCID EPA NZ; 3. Classification drawn from Regulation (EU) No 1272/2008 - Annex VI; I IOELVs available

SECTION 4 First aid measures

Description of first aid measures

Eye Contact	 If this product comes in contact with eyes: Wash out immediately with water. If irritation continues, 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
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. Equipment should be thoroughly decontaminated after use.
Fire/Explosion Hazard	 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. Mists containing combustible materials may be explosive. Combustion products include: carbon dioxide (CO2) metal oxides other pyrolysis products typical of burning organic material. 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	Slippery when spilt. 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	 Slippery when spilt. 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. Absorb remaining product with sand, earth or vermiculite and place in appropriate containers for disposal. Wash area and prevent runoff into drains or waterways. 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

	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.
Safe handling	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.
	Atmosphere should be regularly checked against established exposure standards to ensure safe working conditions are maintained.
	Store in original containers.
	Keep containers securely sealed.
	No smoking, naked lights or ignition sources.
Other information	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	Avoid reaction with oxidising agents

SECTION 8 Exposure controls / personal protection

Control parameters

Occupational Exposure Limits (OEL)

INGREDIENT DATA

Not Available

Emergency Limits

Ingredient	TEEL-1	TEEL-2		TEEL-3
DOWSIL Firestop 400 Sealant, White #779-021 (NZ)	Not Available	Not Available		Not Available
Ingredient	Original IDLH		Revised IDLH	
2-butene homopolymer - polybutene	Not Available		Not Available	
2-methyl-4-isothiazolin-3-one	Not Available		Not Available	

Occupational Exposure Banding

Ingredient	Occupational Exposure Band Rating	Occupational Exposure Band Limit	
2-methyl-4-isothiazolin-3-one	> 0.01 to ≤ 0.1 mg/m³		
Notes:	Occupational exposure banding is a process of assigning chemicals into specific categories or bands based on a chemical's potency and the adverse health outcomes associated with exposure. The output of this process is an occupational exposure band (OEB), which corresponds to a range of exposure concentrations that are expected to protect worker health.		

MATERIAL DATA

Sensory irritants are chemicals that produce temporary and undesirable side-effects on the eyes, nose or throat. Historically occupational exposure standards for these irritants have been based on observation of workers' responses to various airborne concentrations. Present day expectations require that nearly every individual should be protected against even minor sensory irritation and exposure standards are established using uncertainty factors or safety factors of 5 to 10 or more. On occasion animal no-observable-effect-levels (NOEL) are used to determine these limits where human results are unavailable. An additional approach, typically used by the TLV committee (USA) in determining respiratory standards for this group of chemicals, has been to assign ceiling values (TLV C) to rapidly acting irritants and to assign short-term exposure limits (TLV STELs) when the weight of evidence from irritation, bioaccumulation and other endpoints combine to warrant such a limit. In contrast the MAK Commission (Germany) uses a five-category system based on intensive odour, local irritation, and elimination half-life. However this system is being replaced to be consistent with the European Union (EU) Scientific Committee for Occupational Exposure Limits (SCOEL); this is more closely allied to that of the USA.

OSHA (USA) concluded that exposure to sensory irritants can:

- cause inflammation
- cause increased susceptibility to other irritants and infectious agents

lead to permanent injury or dysfunction

permit greater absorption of hazardous substances and

acclimate the worker to the irritant warning properties of these substances thus increasing the risk of overexposure.

Exposure controls

	Engineering controls are used to remove a hazard or place a be highly effective in protecting workers and will typically be The basic types of engineering controls are: Process controls which involve changing the way a job activi Enclosure and/or isolation of emission source which keeps a "adds" and "removes" air in the work environment. Ventilatio ventilation system must match the particular process and ch Employers may need to use multiple types of controls to pre- General exhaust is adequate under normal operating conditi essential to obtain adequate protection. Provide adequate ve workplace possess varying "escape" velocities which, in turn remove the contaminant.	independent of worker interactions to provide this high level ity or process is done to reduce the risk. Is selected hazard "physically" away from the worker and ven n can remove or dilute an air contaminant if designed proper emical or contaminant in use. vent employee overexposure. ons. If risk of overexposure exists, wear SAA approved resp entilation in warehouse or closed storage areas. Air contamir	of protection. tilation that strategically ly. The design of a irator. Correct fit is nants generated in the
	Type of Contaminant:		Air Speed:
	solvent, vapours, degreasing etc., evaporating from tank (i	in still air)	0.25-0.5 m/s (50-100 f/min)
	aerosols, fumes from pouring operations, intermittent cont drift, plating acid fumes, pickling (released at low velocity i		0.5-1 m/s (100-200 f/min.)
Appropriate engineering controls	direct spray, spray painting in shallow booths, drum filling, generation into zone of rapid air motion)	conveyer loading, crusher dusts, gas discharge (active	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 with the square of distance from the extraction point (in simp accordingly, after reference to distance from the contaminati 1-2 m/s (200-400 f/min.) for extraction of solvents generated considerations, producing performance deficits within the ex factors of 10 or more when extraction systems are installed of	le cases). Therefore the air speed at the extraction point sho ng source. The air velocity at the extraction fan, for example in a tank 2 meters distant from the extraction point. Other m traction apparatus, make it essential that theoretical air veloc	ould be adjusted, , should be a minimum of echanical
Individual protection measures, such as personal protective equipment			
Eye and face protection	the wearing of lenses or restrictions on use, should be c and adsorption for the class of chemicals in use and an their removal and suitable equipment should be readily remove contact lens as soon as practicable. Lens should	lenses may absorb and concentrate irritants. A written policy reated for each workplace or task. This should include a revi account of injury experience. Medical and first-aid personnel available. In the event of chemical exposure, begin eye irriga d be removed at the first signs of eye redness or irritation - le nds thoroughly. [CDC NIOSH Current Intelligence Bulletin 55	ew of lens absorption should be trained in tion immediately and ens should be removed in
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
Body protection	See Other protection below
Other protection	 Overalls. P.V.C apron. Barrier cream. Skin cleansing cream. Eye wash unit.

Respiratory protection

Type A-P 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 P2	-
up to 50	1000	-	A-AUS / Class 1 P2
up to 50	5000	Airline *	-
up to 100	5000	-	A-2 P2
up to 100	10000	-	A-3 P2
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

SECTION 9 Physical and chemical properties

Information on basic physical and chemical properties

Appearance	White paste with slight odour.		
Physical state	Non Slump Paste	Relative density (Water = 1)	1.5
Odour	Slight	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	Not Available	pH as a solution (1%)	Not Available
Vapour density (Air = 1)	Not Available	VOC g/L	Not Available

SECTION 10 Stability and reactivity

Reactivity	See section 7
Chemical stability	 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

	fects		
Inhaled	o 1	ion of the respiratory tract (as classified by EC Directives using animal be kept to a minimum and that suitable control measures be used in an	
Ingestion	The material has NOT been classified by EC Directives or other classification systems as "harmful by ingestion". This is because of the lack of corroborating animal or human evidence. 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. Present definitions of harmful or toxic substances are generally based on doses producing mortality rather than those producing morbidity (disease, ill-health). Gastrointestinal tract discomfort may produce nausea and vomiting. In an occupational setting however, ingestion of insignificant quantities is not thought to be cause for concern.		
	Skin contact is not thought to have harmful health effects (as classified under EC Directives); the material may still produce health damage following entry through wounds, lesions or abrasions.		
Skin Contact	individuals following direct contact, and/or produces significant inflam hours, such inflammation being present twenty-four hours or more aff prolonged or repeated exposure; this may result in a form of contact or redness (erythema) and swelling (oedema) which may progress to bli microscopic level there may be intercellular oedema of the spongy lay Open cuts, abraded or irritated skin should not be exposed to this ma	stering (vesiculation), scaling and thickening of the epidermis. At the yer of the skin (spongiosis) and intracellular oedema of the epidermis. terial ncture wounds or lesions, may produce systemic injury with harmful effects.	
Eye	Although the material is not thought to be an irritant (as classified by characterised by tearing or conjunctival redness (as with windburn).	EC Directives), direct contact with the eye may produce transient discomfort	
Chronic	Long-term exposure to the product is not thought to produce chronic models); nevertheless exposure by all routes should be minimised as		
OOWSIL Firestop 400 Sealant,	ΤΟΧΙΟΙΤΥ	IRRITATION	
White #779-021 (NZ)	Not Available	Not Available	
	ΤΟΧΙΟΙΤΥ	IRRITATION	
2-butene homopolymer -	dermal (rat) LD50: >2000 mg/kg ^[1]	Not Available	
polybutene	Oral (Rat) LD50: >2000 mg/kg ^[1]		
	ΤΟΧΙΟΙΤΥ	IRRITATION	
	dermal (rat) LD50: 242 mg/kg ^[1]	Eye: adverse effect observed (irreversible damage) ^[1]	
2-methyl-4-isothiazolin-3-one	Inhalation(Rat) LC50: 0.1 mg/l4h ^[1]	Skin: adverse effect observed (corrosive) ^[1]	
	Oral (Rat) LD50: 120 mg/kg ^[1]		
Legend:	1. Value obtained from Europe ECHA Registered Substances - Acute specified data extracted from RTECS - Register of Toxic Effect of che	e toxicity 2. Value obtained from manufacturer's SDS. Unless otherwise mical Substances	
2-BUTENE HOMOPOLYMER - POLYBUTENE	Inhalation (rat) TCLo: 700 mg/m3/7H/2W-I		
	eczema involves a cell-mediated (T lymphocytes) immune reaction of involve antibody-mediated immune reactions. The significance of the distribution of the substance and the opportunities for contact with it a distributed can be a more important allergen than one with stronger s clinical point of view, substances are noteworthy if they produce an al Asthma-like symptoms may continue for months or even years after known as reactive airways dysfunction syndrome (RADS) which can criteria for diagnosing RADS include the absence of previous airways asthma-like symptoms within minutes to hours of a documented expo	ore rarely as urticaria or Quincke's oedema. The pathogenesis of contact the delayed type. Other allergic skin reactions, e.g. contact urticaria, contact allergen is not simply determined by its sensitisation potential: the ire equally important. A weakly sensitising substance which is widely ensitising potential with which few individuals come into contact. From a lergic test reaction in more than 1% of the persons tested. Exposure to the material ends. This may be due to a non-allergic condition occur after exposure to high levels of highly irritating compound. Main	

	No significant acute toxicological data identified in liter	ature search			
	The material may be irritating to the eye, with prolonged contact causing inflammation. Repeated or prolonged exposure to irritants may produce				
	conjunctivitis.	or repeated exposure and may produ	ce a contact dermatitis (nonallergic). This form of		
	The material may cause skin irritation after prolonged or repeated exposure and may produce a contact dermatitis (nonallergic). This form of dermatitis is often characterised by skin redness (erythema) and swelling epidermis. Histologically there may be intercellular oedema of the				
	spongy layer (spongiosis) and intracellular oedema of				
	The European Union has reclassified several formalde and hydroxypropylamine (HPT) as category 1B carcino				
	releasing agents were not. This is no longer the case.				
	releasable formaldehyde is more than > 1000 ppm (>0				
	Water mix metalworking fluids are subject to contamin	-	· · · · · ·		
	maintenance. The use of preservatives both within the formulation and tank-side treatment plays a significant contribution in the protection of potentially harmful microbes that could cause health problems for workers.				
	A large proportion of bactericides on the market today		ng biocides which means that under specific		
	conditions they release small amounts of formaldehyd biocide their use may become restricted or unfavourab				
	A decision by the ECHA (European Chemicals Agency mutagen in June 2015.	was made to re-classify formaldehy	vde as a category 1b H350 carcinogen and category 2		
	It has also been proposed by the ECHA Risk Assessm	. ,	•		
	formaldehyde because formaldehyde is released wher microorganisms).	n these substances come into contac	t under ravorable conditions (i.e. interaction with		
	Formaldehyde generators (releasers) are often used a	s preservatives (antimicrobials, bioci	des, microbiocides). Formaldehyde may be generated		
	following hydrolysis. The most widely used antimicrobi		•		
	release detectable levels of formaldehyde into the air s Many countries are placing regulatory pressure on sup				
	Formaldehyde generators are a diverse group of chem				
	by reacting an amino alcohol with formaldehyde ("form				
	There is concern that when formaldehyde-releasing pr (TEA), diethanolamine (DEA), or monoethanolamine (I	•			
	potentially penetrate skin.	MEA), hitrosamines can be formed,, i			
	One widely-discussed hypothesis states that formaldel		· · · · ·		
	the microbial flora of in-use metalworking fluids (MWFs				
	proliferation of certain nontuberculosis mycobacteria (I hypersensitivity pneumonitis (HP), also known as extri	, ,	0		
	include flu-like illness accompanied by chronic dyspne	•			
	According to Annex VI of the Cosmetic Directive 76/76	8/EC, the maximum authorised conc	entration of free formaldehyde is 0.2% (2000 ppm). In		
	addition, the provisions of Annex VI state that, All finished products containing formaldehyde or subst	tances in this Annex and which releas	se formaldehvde must be labelled with the warning		
	"contains formaldehyde" where the concentration of fo				
	Formaldehyde-releasing preservatives have the ability				
	releasing preservatives ensures that the actual level of ensure absence of microbial growth. The formaldehyde				
	electron-rich groups to disrupt metabolic processes, ex				
	NOTE: Substance has been shown to be mutagenic in	at least one assay, or belongs to a f	amily of chemicals producing damage or change to		
	cellular DNA. Considered to be a minor sensitiser in Kathon CG (1)	(1). Bruze etal - Contact Dermatitis 20	0: 219-39. 1989		
		(, , , , , , , , , , , , , , , , , , ,			
Acute Toxicity	×	Carcinogenicity	×		
Skin Irritation/Corrosion	×	Reproductivity	×		
Serious Eye Damage/Irritation	×	STOT - Single Exposure	×		
Respiratory or Skin sensitisation	×	STOT - Repeated Exposure	×		

SECTION 12 Ecological information

Mutagenicity

×

Toxicity

DOWSIL Firestop 400 Sealant, White #779-021 (NZ)	Endpoint	Test Duration (hr)	Species		Value	Source
	Not Available	Not Available	Not Available		Not Available	Not Available
2-butene homopolymer - polybutene	Endpoint	Test Duration (hr)	Species		Value	Source
	EC50(ECx)	96h	Algae or other aquatic plants		<0.001mg/l	2
	EC50	96h	Algae or other aquatic plants <0.0		<0.001mg/l	2
	EC50	72h	Algae or other aquatic plants		>19.2mg/l	2
	EC50	48h	Crustacea		>3.1mg/l	2
	LC50	96h	Fish		<0.001mg/l	2
	Endpoint	Test Duration (hr)	Species	Val	ue	Source
	NOEC(ECx)	96h	Algae or other aquatic plants	0.0	1mg/l	2
2-methyl-4-isothiazolin-3-one	EC50	96h	Algae or other aquatic plants	0.0	607mg/l	2
	EC50	72h	Algae or other aquatic plants	0.0	569mg/l	2
	LC50	96h	Fish	0.0	81-0.122mg/L	4
	EC50	48h	Crustacea	0.1	89-0.257mg/L	4

Aspiration Hazard

Legend:

×

Data available to make classification

X – Data either not available or does not fill the criteria for classification

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

DO NOT discharge into sewer or waterways.

Persistence and degradability

Persistence: Water/Soil Persistence: Air		
HIGH	HIGH	
Bioaccumulation		
LOW (LogKOW = -0.8767)		
Mobility		
LOW (KOC = 27.88)		
	HIGH Bioaccumulation LOW (LogKOW = -0.8767) Mobility	

SECTION 13 Disposal considerations

Waste treatment methods Product / Packaging disposal Prod

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

Disposal Requirements

Not applicable as substance/ material is non hazardous.

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
2-butene homopolymer - polybutene	Not Available
2-methyl-4-isothiazolin-3-one	Not Available

Transport in bulk in accordance with the IGC Code

Product name	Ship Type
2-butene homopolymer - polybutene	Not Available
2-methyl-4-isothiazolin-3-one	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
Not Applicable	Not Applicable

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

2-butene homopolymer - polybutene is found on the following regulatory lists

New Zealand Inventory of Chemicals (NZIoC)

2-methyl-4-isothiazolin-3-one is found on the following regulatory lists	

New Zealand Approved Hazardous Substances with controls New Zealand Hazardous Substances and New Organisms (HSNO) Act - Classification of Chemicals New Zealand Hazardous Substances and New Organisms (HSNO) Act - Classification of Chemicals - Classification Data New Zealand Inventory of Chemicals (NZIoC)

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
Canada - NDSL	No (2-butene homopolymer - polybutene; 2-methyl-4-isothiazolin-3-one)
China - IECSC	Yes
Europe - EINEC / ELINCS / NLP	Yes
Japan - ENCS	Yes
Korea - KECI	Yes
New Zealand - NZIoC	Yes
Philippines - PICCS	Yes
USA - TSCA	Yes
Taiwan - TCSI	Yes
Mexico - INSQ	Yes
Vietnam - NCI	Yes
Russia - FBEPH	Yes
Legend:	Yes = All CAS declared ingredients are on the inventory No = One or more of the CAS listed ingredients are not on the inventory. These ingredients may be exempt or will require registration.

SECTION 16 Other information

Revision Date	03/04/2023
Initial Date	03/04/2023

Other information

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

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

Definitions and abbreviations

PC-TWA: Permissible Concentration-Time Weighted Average

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

end of SDS

DOWSIL Firestop 400 Sealant, White #779-021 (NZ)

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

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