

# Dunlop Tile Pointing Ardex (Ardex Australia)

Chemwatch: **5419-66** Version No: **3.1.10.8** Safety Data Sheet according to WHS Regulations (Hazardous Chemicals) Amendment 2020 and ADG requirements Issue Date: 03/09/2020

Print Date: 21/07/2021 S.GHS.AUS.EN

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

# **Product Identifier**

Product name	Dunlop Tile Pointing
Chemical Name	Not Applicable
Synonyms	Not Available
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 Water based flexible pointing compound with excellent adhesion to glazed roof tiles.

# Details of the supplier of the safety data sheet

Registered company name	Ardex (Ardex Australia)	
Address	20 Powers Road Seven Hills NSW 2147 Australia	
Telephone	1800 224 070	
Fax	1300 780 102	
Website	www.ardexaustralia.com	
Email	technicalservices@ardexaustralia.com	

# Emergency telephone number

Association / Organisation	Ardex (Ardex Australia)	
Emergency telephone numbers	1800 224 070 (Mon-Fri, 9am-5pm)	
Other emergency telephone numbers	Not Available	

# **SECTION 2 Hazards identification**

#### Classification of the substance or mixture

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

# ChemWatch Hazard Ratings

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

Poisons Schedule	Not Applicable
Classification <sup>[1]</sup>	Skin Sensitizer Category 1A, Carcinogenicity Category 1A, Chronic Aquatic Hazard Category 3, Eye Irritation Category 2A
Legend:	1. Classified by Chemwatch; 2. Classification drawn from HCIS; 3. Classification drawn from Regulation (EU) No 1272/2008 - Annex VI

# **Dunlop Tile Pointing**

Hazard pictogram(s)			
Signal word	Danger		
Hazard statement(s)			
H317	May cause an allergic skin reaction	ח.	
H350	May cause cancer.		
H412	Harmful to aquatic life with long la	sting effects.	
H319	Causes serious eye irritation.		
Precautionary statement(s) Pre			
P201	Obtain special instructions before use.		
P280		Wear protective gloves, protective clothing, eye protection and face protection.	
P261	Avoid breathing mist/vapours/spra Avoid release to the environment.		
Precautionary statement(s) Re P308+P313	-	dical advice/ attention	
P308+P313 P302+P352	IF exposed or concerned: Get medical advice/ attention.		
P305+P351+P338	IF ON SKIN: Wash with plenty of water and soap.		
P333+P313	IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.		
Precautionary statement(s) Sto	1		
P405	Store locked up.		
Precautionary statement(s) Dis	sposal		
P501	Dispose of contents/container to a	authorised hazardous or special waste collection point in accordance with any local regulation.	
SECTION 3 Composition / ir Substances See section below for composition			
Mixtures			
CAS No	%[weight]	Name	

/////	Namo
>60	graded sand
0-5	silica crystalline - quartz
<1	diuron
<1	carbendazim
<1 <u>2-methyl-4-isothiazolin-3-one</u>	
balance	Ingredients determined not to be hazardous
1. Classified by Chemwatch; 2. Classification drawn from HCIS; 3. Classification drawn from Regulation (EU) No 1272/2008 - Annex VI; 4. Classification drawn from C&L * EU IOELVs available	
	>60 0-5 <1 <1 <1 <1 balance 1. Classified by Chernwatch; 2. Co

# **SECTION 4 First aid measures**

Description of first aid measur	
Eye Contact	<ul> <li>If this product comes in contact with the eyes:</li> <li>Immediately hold eyelids apart and flush the eye continuously with 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>Continue flushing until advised to stop by the Poisons Information Centre or a doctor, or for at least 15 minutes.</li> <li>Transport to hospital or doctor without delay.</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 or hair contact occurs:</li> <li>Immediately flush body and clothes with large amounts of water, using safety shower if available.</li> <li>Quickly remove all contaminated clothing, including footwear.</li> <li>Wash skin and hair with running water. Continue flushing with water until advised to stop by the Poisons Information Centre.</li> <li>Transport to hospital, or doctor.</li> </ul>
Inhalation	

Ingestion	<ul> <li>IF SWALLOWED, REFER FOR MEDICAL ATTENTION, WHERE POSSIBLE, WITHOUT DELAY.</li> <li>For advice, contact a Poisons Information Centre or a doctor.</li> <li>Urgent hospital treatment is likely to be needed.</li> <li>In the mean time, qualified first-aid personnel should treat the patient following observation and employing supportive measures as indicated by the patient's condition.</li> <li>If the services of a medical officer or medical doctor are readily available, the patient should be placed in his/her care and a copy of the SDS should be provided. Further action will be the responsibility of the medical specialist.</li> <li>If medical attention is not available on the worksite or surroundings send the patient to a hospital together with a copy of the SDS.</li> </ul> Where medical attention is not immediately available or where the patient is more than 15 minutes from a hospital or unless instructed otherwise: <ul> <li>INDUCE vomiting with fingers down the back of the throat, ONLY IF CONSCIOUS. Lean patient forward or place on left side (head-down position, if possible) to maintain open airway and prevent aspiration. NOTE: Wear a protective glove when inducing vomiting by mechanical means.</li></ul>
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# 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.

# 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

<b>J</b>	
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> </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>Combustion products include:</li> <li>carbon dioxide (CO2)</li> <li>nitrogen oxides (NOx)</li> <li>metal oxides</li> <li>other pyrolysis products typical of burning organic material.</li> <li>May emit poisonous fumes.</li> <li>May emit corrosive fumes.</li> </ul>
HAZCHEM	Not Applicable

# **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> </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>Wear full body protective clothing with breathing apparatus.</li> <li>Prevent, by all means available, spillage from entering drains or water courses.</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>Avoid all personal contact, including inhalation.</li> <li>Wear protective clothing when risk of exposure occurs.</li> <li>Use in a well-ventilated area.</li> <li>Prevent concentration in hollows and sumps.</li> </ul>

Dunlop	Tile	Pointin	g
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Other information	<ul> <li>Store in original containers.</li> <li>Keep containers securely sealed.</li> <li>No smoking, naked lights or ignition sources.</li> <li>Store in a cool, dry, well-ventilated area.</li> </ul>		
Conditions for safe storage, including any incompatibilities			
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>		

# **SECTION 8 Exposure controls / personal protection**

# **Control parameters**

# Occupational Exposure Limits (OEL)

# INGREDIENT DATA

Source	Ingredient	Material name	TWA	STEL	Peak	Notes
Australia Exposure Standards	graded sand	Silica - Crystalline: Quartz (respirable dust)	0.05 mg/m3	Not Available	Not Available	Not Available
Australia Exposure Standards	silica crystalline - quartz	Silica - Crystalline: Quartz (respirable dust)	0.05 mg/m3	Not Available	Not Available	Not Available
Australia Exposure Standards	diuron	Diuron	10 mg/m3	Not Available	Not Available	Not Available

Emergency Limits				
Ingredient	TEEL-1	TEEL-2		TEEL-3
graded sand	0.075 mg/m3	33 mg/m3		200 mg/m3
silica crystalline - quartz	0.075 mg/m3	33 mg/m3		200 mg/m3
Ingredient	Original IDLH		Revised ID	LH
graded sand	25 mg/m3 / 50 mg/m3		Not Available	
silica crystalline - quartz	25 mg/m3 / 50 mg/m3		Not Available	
diuron	Not Available		Not Available	
carbendazim	Not Available		Not Availab	le
2-methyl-4-isothiazolin-3-one	Not Available		Not Availab	le
Occupational Exposure Banding				

Ingredient	Occupational Exposure Band Rating	Occupational Exposure Band Limit	
carbendazim	E	≤ 0.01 mg/m³	
2-methyl-4-isothiazolin-3-one	D	> 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.		

#### Exposure controls

Exposure controis	
Appropriate engineering controls	Engineering controls are used to remove a hazard or place a barrier between the worker and the hazard. Well-designed engineering controls can be highly effective in protecting workers and will typically be independent of worker interactions to provide this high level of protection. The basic types of engineering controls are: Process controls which involve changing the way a job activity or process is done to reduce the risk. Enclosure and/or isolation of emission source which keeps a selected hazard "physically" away from the worker and ventilation that strategically "adds" and "removes" air in the work environment.
Personal protection	
Eye and face protection	<ul> <li>Safety glasses with unperforated side shields may be used where continuous eye protection is desirable, as in laboratories; spectacles are not sufficient where complete eye protection is needed such as when handling bulk-quantities, where there is a danger of splashing, or if the material may be under pressure.</li> <li>Chemical goggles.whenever there is a danger of the material coming in contact with the eyes; goggles must be properly fitted.</li> <li>Full face shield (20 cm, 8 in minimum) may be required for supplementary but never for primary protection of eyes; these afford face protection.</li> <li>Alternatively a gas mask may replace splash goggles and face shields.</li> </ul>
Skin protection	See Hand protection below
Hands/feet protection	Elbow length PVC gloves
Body protection	See Other protection below
Other protection	<ul> <li>Employees working with confirmed human carcinogens should be provided with, and be required to wear, clean, full body protective clothing (smocks, coveralls, or long-sleeved shirt and pants), shoe covers and gloves prior to entering the regulated area. [AS/NZS ISO 6529:2006 or national equivalent]</li> <li>Employees engaged in handling operations involving carcinogens should be provided with, and required to wear and use half-face filter-type respirators with filters for dusts, mists and fumes, or air purifying canisters or cartridges. A respirator affording higher levels of protection may be substituted. [AS/NZS 1715 or national equivalent]</li> <li>Emergency deluge showers and eyewash fountains, supplied with potable water, should be located near, within sight of, and on the same level with locations where direct exposure is likely.</li> </ul>

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- Prior to each exit from an area containing confirmed human carcinogens, employees should be required to remove and leave protective clothing and equipment at the point of exit and at the last exit of the day, to place used clothing and equipment in impervious containers at the point of exit for purposes of decontamination or disposal. The contents of such impervious containers must be identified with suitable labels. For maintenance and decontamination activities, authorized employees entering the area should be provided with and required to wear clean, impervious garments, including gloves, boots and continuous-air supplied hood.
   Prior to removing protective garments the employee should undergo decontamination and be required to shower upon removal of the garments and hood.
   Overalls.
   P.V.C apron.
   Barrier cream.
  - Skin cleansing cream

#### Recommended material(s)

GLOVE SELECTION INDEX

Glove selection is based on a modified presentation of the:

"Forsberg Clothing Performance Index".

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

Dunlop Tile Pointing

Material	CPI
BUTYL	A
NATURAL RUBBER	С
NATURAL+NEOPRENE	С
NEOPRENE	С
NEOPRENE/NATURAL	С
NITRILE	С
PE	С
PE/EVAL/PE	С
PVA	С
PVC	С
TEFLON	С
VITON	С

\* CPI - Chemwatch Performance Index

#### A: Best Selection

B: Satisfactory; may degrade after 4 hours continuous immersion

C: Poor to Dangerous Choice for other than short term immersion **NOTE**: As a series of factors will influence the actual performance of the glove, a final

selection must be based on detailed observation. - \* Where the glove is to be used on a short term, casual or infrequent basis, factors such

as "feel" or convenience (e.g. disposability), may dictate a choice of gloves which might otherwise be unsuitable following long-term or frequent use. A qualified practitioner should be consulted.

#### Respiratory protection

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

If inhalation risk above the TLV exists, wear approved dust respirator.

- Use respirators with protection factors appropriate for the exposure level. Up to 5 X TLV, use valveless mask type; up to 10 X TLV, use 1/2 mask dust respirator
- Up to 50 X TLV, use full face dust respirator or demand type C air supplied respirator
- Up to 500 X TLV, use powered air-purifying dust respirator or a Type C pressure demand supplied-air respirator
- Over 500 X TLV wear full-face self-contained breathing apparatus with positive pressure mode or a combination respirator with a Type C positive pressure supplied-air full-face respirator and an auxiliary self-contained breathing apparatus operated in pressure demand or other positive pressure mode
- 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	Brownish grey gritty paste; does not mix with water.		
Physical state	Non Slump Paste	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 Available

# **Dunlop Tile Pointing**

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 (%)	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

Skin Contact	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. 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	
Eye	Prior to the use of the material and ensure that any external damage is suitably protected. Although the material is not thought to be an irritant (as classified by EC Directives), direct contact with the eye may produce transient discomfor characterised by tearing or conjunctival redness (as with windburn).	
	There is sufficient evidence to suggest that this material directly causes cancer in humans. Skin contact with the material is more likely to cause a sensitisation reaction in some persons compared to the general population. Substance accumulation, in the human body, may occur and may cause some concern following repeated or long-term occupational exposure.	

Dunlop Tile Pointing	Not Available	Not Available
	ΤΟΧΙΟΙΤΥ	IRRITATION
graded sand	Oral(Rat) LD50; 500 mg/kg <sup>[2]</sup>	Not Available
	ΤΟΧΙΟΙΤΥ	IRRITATION
silica crystalline - quartz	Oral(Rat) LD50; 500 mg/kg <sup>[2]</sup>	Not Available
	ΤΟΧΙΟΙΤΥ	IRRITATION
diuron	dermal (rat) LD50: >2000 mg/kg <sup>[1]</sup>	Eye: no adverse effect observed (not irritating) <sup>[1]</sup>
	Inhalation(Rat) LC50; >5.05 mg/l4h <sup>[1]</sup>	Skin: no adverse effect observed (not irritating) <sup>[1]</sup>
	Oral(Rat) LD50; >2000 mg/kg <sup>[1]</sup>	
	ΤΟΧΙΟΙΤΥ	IRRITATION
carbendazim	dermal (rat) LD50: 2000 mg/kg <sup>[2]</sup>	Eye (rabbit): non-irritating *
	Oral(Dog) LD50; >2500 mg/kg <sup>[2]</sup>	Eye: no adverse effect observed (not irritating) <sup>[1]</sup>
		Skin (rabbit): non-irritating *
		Skin: no adverse effect observed (not irritating) <sup>[1]</sup>
	ΤΟΧΙΟΙΤΥ	IRRITATION
	dermal (rat) LD50: 242 mg/kg <sup>[1]</sup>	Eye: adverse effect observed (irreversible damage) <sup>[1]</sup>
P-methyl-4-isothiazolin-3-one	Inhalation(Rat) LC50; 0.1 mg/l4h <sup>[1]</sup>	Skin: adverse effect observed (corrosive) <sup>[1]</sup>
	Oral(Rat) LD50; 120 mg/kg <sup>[1]</sup>	

	carcinogenic to humans . This classification is based	I on what IARC considered sufficient ex Jartz and cristobalite. Crystalline silica i moconiosis), cough, dyspnoea, liver tur ger samples counted by light field techn determines whether it is likely to preser	is also known to cause silicosis, a non-cancerous lung mours. niques).
DIURON	Note: Equivocal animal tumorigenic agent by RTECS tetrachloroazoxybenzene). Maximum impurity levels Diuron is absorbed readily through the gut and lungs are more susceptible than adults. Exposure to sublet haemoglobin which carries oxygen in the blood. Diur red blood cells, and increase the number of white blo	are proscribed under various jurisdictions, while uptake through the skin is more thal doses of diuron causes formation of on can decrease the number of red blo	ons ADI: 0.006 mg/kg/day NOEL: 0.625 mg/kg/day limited. It is slightly toxic to mammals but juveniles of methaemoglobin, an abnormal form of the protein
CARBENDAZIM	0.01 mg/kg b.w. * Toxicity Class WHO III;EPA IV Laboratory (in vitro) and animal studies show, exposi producing mutation. Benomyl (a precursor of carbendazim) sensitises ski	n (10 g/l water). * NOEL ( 2 y) for dogs ure to the material may result in a poss in in humans. Benomyl and carbendazi excretedin the urine. Animal testing sug	300 mg/kg diet, corresponding to 6-7 mg/kg b.w. ADI sible risk of irreversible effects, with the possibility of
[* The Pesticides Manual, Incorporating The Agrochemicals Handbook, 10th Edition, Editor Clive Tomlin, 1994, British C Council]			Editor Clive Tomlin, 1994, British Crop Protection
2-METHYL- 4-ISOTHIAZOLIN-3-ONE	The following information refers to contact allergens as a group and may not be specific to this product. Contact allergies quickly manifest themselves as contact eacema, more rarely as urticaria or Quincke's oedema. The pathogenesis of contact eacema involves a cell-mediated (T Jymphocytes) immune reaction of the delayed type. Other allergic skin reactions, e.g. contact urticaria, involve antibody-mediated immune reactions. The significance of the contact allergen is not simply determined by its sensitisation potential: the distribution of the substance and the opportunities for contact with it are exposure to the material ends. This may be due to a non-allergic condition known as reactive airways dysfunction syndrome (RADS) which can occur after exposure to high levels of highly irritating compound. Main criteria for diagnosing RADS include the absence of previous airways disease in a non-atopic individual, with sudden onset of persistent asthma-like symptoms within minutes to hours of a documented exposure to the irritant. Other criteria for diagnosis of RADS include a reversible airflow pattern on lung function tests, moderate to severe bronchial hyperreactivity on methacholine challenge testing, and the lack of minimal lymphocytic inflammation, without eosinophilia. Based on laboratory and animal testing, exposure to the material may result in irreversible effects and mutations in humans. In light of potential adverse effects, and to ensure a harmonised risk assessment and management, the EU regulatory framework for biocides has been established with the objective of ensuring a high level of protection of human and animal health and the environment. To this aim, it is required that risk assessment of biocidal products is carried out before they can be placed on the market. A central element in the risk assessment of biocidal products are the utilization instructions that defines the dosage, application method and amount of applications and thus the exposure of humans and the environment to the bioxidal sub		
GRADED SAND & DIURON & 2-METHYL-	No significant acute toxicological data identified in lite	erature search.	
4-ISOTHIAZOLIN-3-ONE			
Acute Toxicity	×	Carcinogenicity	~
Skin Irritation/Corrosion	×	Reproductivity	×
	✓	STOT - Single Exposure	X
Serious Eye Damage/Irritation	•		^
Serious Eye Damage/Irritation Respiratory or Skin sensitisation	*	STOT - Repeated Exposure	×

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

# **SECTION 12 Ecological information**

#### Toxicity Endpoint Test Duration (hr) Species Value Source Dunlop Tile Pointing Not Available Not Not Not Available Not Available Available Available

Not Available          Test Duration (hr)         Not Available         Test Duration (hr)         1008h         72h         96h         48h         0.75h         96h         Test Duration (hr)         72h         96h         48h         0.75h         96h         48h         48h         0.75h         96h         48h         0.75h         96h         48h	Not Available         Species         Not Available         Species         Fish         Algae or other aquatic plants         Fish         Crustacea         Algae or other aquatic plants         Crustacea         Crustacea         Algae or other aquatic plants	Not Available           Value           Not Available           Not Available           Value           0.004mg/L           0.53-0.96mg/l           1-1.9mg/l           <0.001mg/L	Not Available Not Available 7 4 4 4 4 4 4 4 4 4 2
Not Available          Test Duration (hr)         1008h         72h         96h         48h         0.75h         96h         Test Duration (hr)         72h	Not Available       Species       Fish       Algae or other aquatic plants       Fish       Crustacea       Algae or other aquatic plants       Algae or other aquatic plants       Species       Algae or other aquatic plants	Not Available           Value           <2.9-14	Not Available 7 4 4 4 4 4 4 4 4 8 0 0 0 0 0 0 0 0 0 0 0
Test Duration (hr)           1008h           72h           96h           48h           0.75h           96h           Test Duration (hr)           72h	Species         Fish         Algae or other aquatic plants         Fish         Crustacea         Algae or other aquatic plants	Available           Value           <2.9-14	Available Source 7 4 4 4 4 4 4 4 5 Source
1008h         72h         96h         48h         0.75h         96h <b>Test Duration (hr)</b> 72h	Fish         Algae or other aquatic plants         Fish         Crustacea         Algae or other aquatic plants         Algae or other aquatic plants         Species         Algae or other aquatic plants	<2.9-14 0.004mg/L 0.53-0.96mg/l 1-1.9mg/l <0.001mg/L 0.001mg/l Value 1.3mg/l	7 4 4 4 4 4 4 4 5ourc
72h         96h         48h         0.75h         96h <b>Test Duration (hr)</b> 72h	Algae or other aquatic plants         Fish         Crustacea         Algae or other aquatic plants         Algae or other aquatic plants         Species         Algae or other aquatic plants	0.004mg/L 0.53-0.96mg/l 1-1.9mg/l <0.001mg/L 0.001mg/l Value 1.3mg/l	4 4 4 4 4 Source
96h         48h         0.75h         96h         Test Duration (hr)         72h	Fish         Crustacea       Algae or other aquatic plants         Algae or other aquatic plants         Species         Algae or other aquatic plants	0.53-0.96mg/l 1-1.9mg/l <0.001mg/L 0.001mg/l Value 1.3mg/l	4 4 4 4 Sourc
48h 0.75h 96h <b>Test Duration (hr)</b> 72h	Crustacea Algae or other aquatic plants Algae or other aquatic plants Species Algae or other aquatic plants	1-1.9mg/l           <0.001mg/L	4 4 4 Sourc
0.75h 96h <b>Test Duration (hr)</b> 72h	Algae or other aquatic plants         Algae or other aquatic plants         Species         Algae or other aquatic plants	<0.001mg/L 0.001mg/l Value 1.3mg/l	4 4 Sourc
96h Test Duration (hr) 72h	Algae or other aquatic plants Species Algae or other aquatic plants	0.001mg/l Value 1.3mg/l	4 Sourc
<b>Test Duration (hr)</b> 72h	Species Algae or other aquatic plants	Value 1.3mg/l	Sourc
72h	Algae or other aquatic plants	1.3mg/l	
			2
48h	Crustacea	0.110.0.000	
	0100000	0.116-0.203mg/L	4
96h	Fish	0.239mg/L	4
1008h	Fish	0.6-1.1	7
504h	Crustacea	0.004mg/L	4
96h	Algae or other aquatic plants	19.056mg/l	4
Test Duration (hr)	Species	Value	Sourc
96h	Fish	0.081-0.122mg/L	4
48h	Crustacea	0.189-0.257mg/L	4
96h	Algae or other aquatic plants	0.01mg/l	2
96h	Algae or other aquatic plants	0.063mg/l	2
,	96h 48h 96h 96h 96h	96h       Fish         48h       Crustacea         96h       Algae or other aquatic plants         96h       Algae or other aquatic plants         96h       Algae or other aquatic plants         1. IUCLID Toxicity Data 2. Europe ECHA Registered Substances - Ecotoxicological Information	96h     Fish     0.081-0.122mg/L       48h     Crustacea     0.189-0.257mg/L       96h     Algae or other aquatic plants     0.01mg/l

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
diuron	HIGH	HIGH
carbendazim	HIGH	HIGH
2-methyl-4-isothiazolin-3-one	HIGH	HIGH

# **Bioaccumulative potential**

Ingredient	Bioaccumulation
diuron	LOW (BCF = 14)
carbendazim	LOW (BCF = 3.5)
2-methyl-4-isothiazolin-3-one	LOW (LogKOW = -0.8767)

# Mobility in soil

Ingredient	Mobility
diuron	LOW (KOC = 136)
carbendazim	LOW (KOC = 175.8)
2-methyl-4-isothiazolin-3-one	LOW (KOC = 27.88)

# **SECTION 13 Disposal considerations**

# Waste treatment methods Product / Packaging disposal 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.

# **SECTION 14 Transport information**

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#### Labels Required

Marine Pollutant	NO
HAZCHEM	Not Applicable

# Land transport (ADG): 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

Group
Not Available

#### Transport in bulk in accordance with the ICG Code

Product name	Ship Type
graded sand	Not Available
silica crystalline - quartz	Not Available
diuron	Not Available
carbendazim	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

#### graded sand is found on the following regulatory lists

Austral	a Hazardous Chemical Information System (HCIS) - Hazardous Chemicals	Chemical Footprint Project - Chemicals of High Concern List
	a Model Work Health and Safety Regulations - Hazardous chemicals (other ad) requiring health monitoring	International Agency for Research on Cancer (IARC) - Agents Classified by the IARC Monographs
Austral	an Inventory of Industrial Chemicals (AIIC)	International Agency for Research on Cancer (IARC) - Agents Classified by the IARC Monographs - Group 1: Carcinogenic to humans
silica c	rystalline - quartz is found on the following regulatory lists	
Austral	a Hazardous Chemical Information System (HCIS) - Hazardous Chemicals	Chemical Footprint Project - Chemicals of High Concern List
	a Model Work Health and Safety Regulations - Hazardous chemicals (other ad) requiring health monitoring	International Agency for Research on Cancer (IARC) - Agents Classified by the IARC Monographs
Austral	an Inventory of Industrial Chemicals (AIIC)	International Agency for Research on Cancer (IARC) - Agents Classified by the IARC Monographs - Group 1: Carcinogenic to humans
diuron	is found on the following regulatory lists	
Accedent		Chamical Fasteriat Desiret, Chamicals of Llick Concern List

Australia Hazardous Chemical Information System (HCIS) - Hazardous Chemicals Australian Inventory of Industrial Chemicals (AIIC)

#### carbendazim is found on the following regulatory lists

Australia Hazardous Chemical Information System (HCIS) - Hazardous Chemicals Australia Standard for the Uniform Scheduling of Medicines and Poisons (SUSMP) -Schedule 7

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

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

Australian Inventory of Industrial Chemicals (AIIC) Chemical Footprint Project - Chemicals of High Concern List

Australian Inventory of Industrial Chemicals (AIIC)

# **National Inventory Status**

National Inventory	Status
Australia - AIIC / Australia Non-Industrial Use	Yes
Canada - DSL	Yes
Canada - NDSL	No (graded sand; silica crystalline - quartz; diuron; carbendazim; 2-methyl-4-isothiazolin-3-one)
China - IECSC	Yes
Europe - EINEC / ELINCS / NLP	Yes
Japan - ENCS	Yes
Korea - KECI	Yes
New Zealand - NZIoC	Yes

National Inventory	Status
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 and are not exempt from listing(see specific ingredients in brackets)

#### **SECTION 16 Other information**

Revision Date	03/09/2020
Initial Date	19/08/2020

# **SDS Version Summary**

Version	Date of Update	Sections Updated
2.1.1.1	19/08/2020	Acute Health (inhaled), Acute Health (skin), Classification, Fire Fighter (fire/explosion hazard), Ingredients, Storage (storage requirement)
3.1.1.1	03/09/2020	Classification change due to full database hazard calculation/update.
3.1.2.1	26/04/2021	Regulation Change
3.1.3.1	03/05/2021	Regulation Change
3.1.4.1	06/05/2021	Regulation Change
3.1.5.1	10/05/2021	Regulation Change
3.1.5.2	30/05/2021	Template Change
3.1.5.3	04/06/2021	Template Change
3.1.5.4	05/06/2021	Template Change
3.1.6.4	07/06/2021	Regulation Change
3.1.6.5	09/06/2021	Template Change
3.1.6.6	11/06/2021	Template Change
3.1.6.7	15/06/2021	Template Change
3.1.7.7	17/06/2021	Regulation Change
3.1.8.7	21/06/2021	Regulation Change
3.1.8.8	05/07/2021	Template Change
3.1.9.8	14/07/2021	Regulation Change
3.1.10.8	19/07/2021	Regulation Change

#### 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

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