

Ardex (Ardex Australia)

Chemwatch: **5628-86** Version No: **2.1** Safety Data Sheet according to WHS Regulations (Hazardous Chemicals) Amendment 2020 and ADG requirements

Chemwatch Hazard Alert Code: 3 Issue Date: 08/09/2023

Print Date: 10/09/2023 L.GHS.AUS.EN.E

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

Product Identifier

Product name	Dunlop Ready-to-Go Grout (Ultrawhite)		
Chemical Name	Not Applicable		
Synonyms	ot 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	Cement based grouting material for filling joints around ceramic floor and wall tiles. Use according to manufacturer's directions.
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Details of the manufacturer or supplier of the safety data sheet

Registered company name	Ardex (Ardex Australia)	
Address	20 Powers Road Seven Hills NSW 2147 Australia	
Telephone	800 224 070	
Fax	1300 780 102	
Website	www.ardexaustralia.com	
Email	sales@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		
Toxicity	0		0 = Minimum
Body Contact	3		1 = Low
Reactivity	1		2 = Moderate
Chronic	2		3 = High 4 = Extreme

	Poisons Schedule	Not Applicable	
Classification III		Skin Corrosion/Irritation Category 2, Sensitisation (Skin) Category 1, Serious Eye Damage/Eye Irritation Category 1, Specific Target Organ Toxicity - Single Exposure (Respiratory Tract Irritation) Category 3	
	Legend:	1. Classified by Chemwatch; 2. Classification drawn from HCIS; 3. Classification drawn from Regulation (EU) No 1272/2008 - Annex VI	

Label elements

Hazard pictogram(s)	
Signal word	Danger

Hazard statement(s)

H315	Causes skin irritation.	
H317	May cause an allergic skin reaction.	
H318	Causes serious eye damage.	
H335 May cause respiratory irritation.		

Precautionary statement(s) Prevention

P271	Use only outdoors or in a well-ventilated area.	
P280	Wear protective gloves, protective clothing, eye protection and face protection.	
P261	Avoid breathing dust/fumes.	
P264	P264 Wash all exposed external body areas thoroughly after handling.	
P272 Contaminated work clothing should not be allowed out of the workplace.		

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	P310 Immediately call a POISON CENTER/doctor/physician/first aider.		
P302+P352	IF ON SKIN: Wash with plenty of water and soap.		
P333+P313	P333+P313 If skin irritation or rash occurs: Get medical advice/attention.		
P362+P364	62+P364 Take off contaminated clothing and wash it before reuse.		
P304+P340	P304+P340 IF INHALED: Remove person to fresh air and keep comfortable for breathing.		

Precautionary statement(s) Storage

P405	Store locked up.	
P403+P233 Store in a well-ventilated place. Keep container tightly closed.		

Precautionary statement(s) Disposal

P501 Dispose of contents/container to authorised hazardous or special waste collection point in accordance with any local regulation.

SECTION 3 Composition / information on ingredients

Substances

See section below for composition of Mixtures

Mixtures

CAS No	%[weight]	Name
471-34-1	30-60	calcium carbonate
13463-67-7	1-10	C.I. Pigment White 6
2682-20-4	<1	2-methyl-4-isothiazolin-3-one
55965-84-9	<1 5-chloro-2-methyl-4-isothiazolin-3-one	
Not Available	balance Ingredients determined not to be hazardous	
Legend:	 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 	

SECTION 4 First aid measures

Description of first aid measur	es
Eye Contact	 If this product comes in contact with the eyes: Immediately hold eyelids apart and flush the eye continuously with 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. Continue flushing until advised to stop by the Poisons Information Centre or a doctor, or for at least 15 minutes. Transport to hospital or doctor without delay. 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 or combustion products are inhaled remove from contaminated area. Lay patient down. Keep warm and rested. Prostheses such as false teeth, which may block airway, should be removed, where possible, prior to initiating first aid procedures. Apply artificial respiration if not breathing, preferably with a demand valve resuscitator, bag-valve mask device, or pocket mask as trained. Perform CPR if necessary. Transport to hospital, or doctor, without delay.
Ingestion	 If swallowed do NOT induce vomiting. If vomiting occurs, lean patient forward or place on left side (head-down position, if possible) to maintain open airway and prevent aspiration. Observe the patient carefully. Never give liquid to a person showing signs of being sleepy or with reduced awareness; i.e. becoming unconscious. Give water to rinse out mouth, then provide liquid slowly and as much as casualty can comfortably drink. Seek medical advice.

Indication of any immediate medical attention and special treatment needed

Treat symptomatically.

for diuron:

- Symptomatic and supportive action is indicated.
- Methaemoglobinaemia is possible
- if compound is hydrolysed in vivo to aniline.
- Methaemoglobinaemia causes cyanosis. Reversion of methaemoglobin to haemoglobin is spontaneous after removal from exposure, so moderate degrees of cyanosis need be treated only by supportive measures such as bed rest and oxygen inhalation.
- Thorough cleansing of the entire contaminated area of the body, including the scalp and nails is of the utmost importance.

SECTION 5 Firefighting measures

Extinguishing media

- There is no restriction on the type of extinguisher which may be used.
- Use extinguishing media suitable for surrounding area.

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 in the event of a fire. Prevent, by any means available, spillage from entering drains or water courses. Use fire fighting procedures suitable for surrounding 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 solid which burns but propagates flame with difficulty; it is estimated that most organic dusts are combustible (circa 70%) - according to the circumstances under which the combustion process occurs, such materials may cause fires and / or dust explosions. Organic powders when finely divided over a range of concentrations regardless of particulate size or shape and suspended in air or some other oxidizing medium may form explosive dust-air mixtures and result in a fire or dust explosion (including secondary explosions). Avoid generating dust, particulatry clouds of dust in a confined or unventilated space as dusts may form an explosive mixture with air, and any source of ignition, i.e. flame or spark, will cause fire or explosion. Dust clouds generated by the fine grinding of the solid are a particular hazard; accumulations of fine dust (420 micron or less) may burn rapidly and fiercely if ignited - particles exceeding this limit will generally not form flammable dust clouds, once initiated, however, larger particles up to 1400 microns diameter will contribute to the propagation of an explosion. In the same way as gases and vapours, dusts in the form of a cloud are only ignitable over a range of concentrations; in principle, the concepts of lower explosive limit (LEL) and upper explosive limit (UEL) are applicable to dust clouds but only the LEL is of practical use; - this is because of the inherer difficulty of achieving homogeneous dust clouds at high temperatures (for dusts the LEL is of practical use; - this is because of the inherer difficulty of activering flaminum flamiton. Energy (the minimum amount of energy required to ignite dust clouds, and the subscinger or use). When processed with flammable liquids/vapors/mists.ginitable (hybrid) mixtures may be formed with combustible dusts. Ignitable mixtures will be lower than the pure dust in air mixture. The Lower Explosive Limit (LEL) of the vapour/dust mixture will be invert the t

Continued...

Dunlop Ready-to-Go Grout (Ultrawhite)

	May emit corrosive fumes. Heating calcium carbonate at high temperatures(825 C.) causes decomposition, releases carbon dioxide gas and leaves a residue of alkaline lime
HAZCHEM	Not Applicable
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	 Clean up waste regularly and abnormal spills immediately. Avoid breathing dust and contact with skin and eyes. Wear protective clothing, gloves, safety glasses and dust respirator. Use dry clean up procedures and avoid generating dust. Vacuum up or sweep up. NOTE: Vacuum cleaner must be fitted with an exhaust micro filter (H-Class HEPA type) (consider explosion-proof machines designed to be grounded during storage and use). H-Class HEPA filtered industrial vacuum cleaners should NOT be used on wet materials or surfaces. Dampen with water to prevent dusting before sweeping. Place in suitable containers for disposal.
Major Spills	 Moderate hazard. CAUTION: Advise personnel in area. Alert Emergency Services and tell them location and nature of hazard. Control personal contact by wearing protective clothing. Prevent, by any means available, spillage from entering drains or water courses. Recover product wherever possible. IF DRY: Use dry clean up procedures and avoid generating dust. Collect residues and place in sealed plastic bags or other containers for disposal. IF WET: Vacuum/shovel up and place in labelled containers for disposal. ALWAYS: Wash area down with large amounts of water and prevent runoff into drains. 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

Precautions for safe handling	
Safe handling	 Avoid all personal contact, including inhalation. Wear protective clothing when risk of exposure occurs. Use in a well-ventilated area. Prevent concentration in hollows and sumps. DO NOT allow material to contact humans, exposed food or food utensils. Avoid contact with incompatible materials. When handling, DO NOT est, drink or smoke. Keep containers securely sealed when not in use. Avoid physical damage to containers. Avoid physical damage to containers. Work clothes should be laundered separately. Launder contaminated clothing before re-use. Use god 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. Organic powders when finely divided over a range of concentrations regardless of particulate size or shape and suspended in air or some other oxidizing medium may form explosive dust-air mixtures and result in a fire or dust explosion (including secondary explosions) Minimise airborne dust and eliminate all ignition sources. Keep away from heat, hot surfaces, sparks, and flame. Establish good housekeeping practices. Remove dust accumulations on a regular basis by vacuuming or gentle sweeping to avoid creating dust clouds. Use continuous suction at points of dust generation to capture and minimise the accumulation of dusts. Particular stention should be significant to warrant immediate cleaning of the area. Do not se air hoses for cleaning. Minimise dy sweeping to avoid generation of dust clouds. Vacuum dust-accumulating surfaces and remove to a chemical disposal area. Vacuums with explosion-proof motors should be used. Control sources of static electricity. Dusts or their packages may accumulate static charges, and static discharg
Other information	 Store in original containers. Keep containers securely sealed. Store in a cool, dry area protected from environmental extremes. 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.

ions for safe storage. in	 For major quantities: Consider storage in bunded areas - ensure storage areas are isolated from sources of community water (including stormwater, ground wat lakes and streams). Ensure that accidental discharge to air or water is the subject of a contingency disaster management plan; this may require consultation w local authorities.
Suitable container	 Polyethylene or polypropylene container. Check all containers are clearly labelled and free from leaks.
Storage incompatibility	Calcium carbonate: is incompatible with acids, ammonium salts, fluorine, germanium, lead diacetate, magnesium, mercurous chloride, silicon, silver nitrate, titanium. Contact with acid generates carbon dioxide gas, which may pressurise and then rupture closed containers Formaldehyde: is a strong reducing agent may polymerise in air unless properly inhibited (usually with methanol up to 15%) and stored at controlled temperatures will polymerize with active organic material such as phenol reacts violently with strong oxidisers, hydrogen peroxide, potassium permanganate, acrylonitrile, caustics (sodium hydroxide, yielding form acid and flammable hydrogen), magnesium carbonate, nitromethane, nitrogen oxides (especially a elevated temperatures), peroxyformic acid is incompatible with strong acids (hydrochloric acid forms carcinogenic bis(chloromethyl)ether*), amines, ammonia, aniline, bisulfides, gelatin, iodine, magnesite, phenol, some monomers, tannins, salts of copper, iron, silver. acid catalysis can produce impurities: methylal, methyl formate Aqueous solutions of formaldehyde: slowly oxidise in air to produce formic acid attack carbon steel Concentrated solutions containing formaldehyde are: unstable, both oxidising slowly to form formic acid and polymerising; in dilute aqueous solutions formaldehyde appears as monomeric hydrate (methylene glyco)) - the more concentrated the solution the more polyoxymethylene glycol occurs as oligomers and polymers (methanol and amine-containing compounds inhibit polymer formation) readily subject to polymerisation, at room temperature, in the presence of air and moisture, to form paraformaldehyde (8-100 units of formaldehyde), a solid mixture of linear polyoxymethylene glycols containing 90-99% formaldehyde; a cyclic trimer, trioxane (CH2O3), may also form Flammable and/or toxic gases are generated by the combinati

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	calcium carbonate	Calcium carbonate	10 mg/m3	Not Available	Not Available	(a) This value is for inhalable dust containing no asbestos and < 1% crystalline silica.
Australia Exposure Standards	C.I. Pigment White 6	Titanium dioxide	10 mg/m3	Not Available	Not Available	(a) This value is for inhalable dust containing no asbestos and < 1% crystalline silica.

Emergency Limits

Ingredient	TEEL-1 TEEL-2			TEEL-3
calcium carbonate	45 mg/m3	210 mg/m3		1,300 mg/m3
C.I. Pigment White 6	30 mg/m3	330 mg/m3		2,000 mg/m3
5-chloro-2-methyl- 4-isothiazolin-3-one	0.6 mg/m3	6.6 mg/m3		40 mg/m3
Ingredient	Original IDLH		Revised IDLH	
calcium carbonate	Not Available		Not Available	
C.I. Pigment White 6	5,000 mg/m3		Not Available	
2-methyl-4-isothiazolin-3-one	Not Available		Not Available	
5-chloro-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	D	> 0.01 to ≤ 0.1 mg/m³	
5-chloro-2-methyl- 4-isothiazolin-3-one	E	≤ 0.01 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 controls						
	Engineering controls are used to remove a hazard or place a barrier between the worker and the hazard. Well-designed engineering controls can be highly effective in protecting workers and will typically be independent of worker interactions to provide this high level of protection. The basic types of engineering controls are: Process controls which involve changing the way a job activity or process is done to reduce the risk. Enclosure and/or isolation of emission source which keeps a selected hazard "physically" away from the worker and ventilation that strategically "adds" and "removes" air in the work environment. Ventilation can remove or dilute an air contaminant if designed properly. The design of a ventilation system must match the particular process and chemical or contaminant in use. Employers may need to use multiple types of controls to prevent employee overexposure. Local exhaust ventilation usually required. If risk of overexposure exists, wear approved respirator. Correct fit is essential to obtain adequate protection. Supplied-air type respirator may be required in special circumstances. Correct fit is essential to ensure adequate protection. An approved self contained breathing apparatus (SCBA) may be required in some situations. Provide adequate ventilation in warehouse or closed storage area. Air contaminants generated in the workplace possess varying "escape"					
	velocities which, in turn, determine the "capture velocities" of	mesh circulating an required to enectively remove the conta				
	Type of Contaminant:		Air Speed:			
	solvent, vapours, degreasing etc., evaporating from tank (i	n still air).	0.25-0.5 m/s (50-100 f/min.)			
Appropriate engineering	aerosols, fumes from pouring operations, intermittent conta drift, plating acid fumes, pickling (released at low velocity in		0.5-1 m/s (100-200 f/min.)			
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 gen very high rapid air motion).	nerated dusts (released at high initial velocity into zone of	2.5-10 m/s (500-2000 f/min.)			
	Within each range the appropriate value depends on:					
	Lower end of the range	Upper end of the range				
	1: Room air currents minimal or favourable to capture	1: Disturbing room air currents				
	2: Contaminants of low toxicity or of nuisance value only.	2: Contaminants of high toxicity				
	3: Intermittent, low production.	3: High production, heavy use				
	4: Large hood or large air mass in motion	4: Small hood-local control only				
	Simple theory shows that air velocity falls rapidly with distance away from the opening of a simple extraction pipe. Velocity generally decreases with the square of distance from the extraction point (in simple cases). Therefore the air speed at the extraction point should be adjusted, accordingly, after reference to distance from the contaminating source. The air velocity at the extraction fan, for example, should be a minimum of 1-2 m/s (200-400 f/min) for extraction of solvents generated in a tank 2 meters distant from the extraction point. Other mechanical considerations, producing performance deficits within the extraction apparatus, make it essential that theoretical air velocities are multiplied by factors of 10 or more when extraction systems are installed or used.					
Individual protection measures, such as personal protective equipment						
Eye and face protection	 Safety glasses with side shields. Chemical goggles. [AS/NZS 1337.1, EN166 or national equivalent] Contact lenses may pose a special hazard; soft contact lenses may absorb and concentrate irritants. A written policy document, describing the wearing of lenses or restrictions on use, should be created for each workplace or task. This should include a review of lens absorption and adsorption for the class of chemicals in use and an account of injury experience. Medical and first-aid personnel should be trained in their removal and suitable equipment should be readily available. In the event of chemical exposure, begin eye irrigation immediately and remove contact lens as soon as practicable. Lens should be removed at the first signs of eye redness or irritation - lens should be removed in a clean environment only after workers have washed hands thoroughly. [CDC NIOSH Current Intelligence Bulletin 59]. 					
Skin protection	See Hand protection below					
Hands/feet protection	 See Hand protection below NOTE: The material may produce skin sensitisation in predisposed individuals. Care must be taken, when removing gloves and other protective equipment, to avoid all possible skin contact. Contaminated leather items, such as shoes, belts and watch-bands should be removed and destroyed. The selection of suitable gloves does not only depend on the material, but also on further marks of quality which vary from manufacturer to manufacturer. Where the chemical is a preparation of several substances, the resistance of the glove material can not be calculated in advance and has therefore to be checked prior to the application. The exact break through time for substances has to be obtained from the manufacturer of the protective gloves and has to be observed when making a final choice. Personal hygiene is a key element of effective hand care. Gloves must only be worn on clean hands. After using gloves, hands should be washed and dried thoroughly. Application of a non-perfurmed moisturiser is recommended. Suitability and durability of glove type is dependent on usage. Important factors in the selection of gloves include: frequency and duration of contact, chemical resistance of glove material, glove thickness and dexterity Select gloves tested to a relevant standard (e.g. Europe EN 374, US F739, AS/NZS 2161.1 or national equivalent). When prolonged or frequently repeated contact may occur, a glove with a protection class of 5 or higher (breakthrough time greater than 240 minutes according to EN 374, AS/NZS 2161.10.1 or national equivalent) is recommended. When only brief contact is expected. a glove with a protection class of 3 or higher (breakthrough time greater than 60 minutes according to EN 374, AS/NZS 2161.10.1 or national equivalent) is recommended. Some glove polymer types are less affected by movement and this					

	For general applications, gloves with a thickness typically greater than 0.35 mm, are recommended. It should be emphasised that glove thickness is not necessarily a good predictor of glove resistance to a specific chemical, as the permeation efficiency of the glove will be dependent on the exact composition of the glove material. Therefore, glove selection should also be based on consideration of the task requirements and knowledge of breakthrough times. Glove thickness may also vary depending on the glove manufacturer, the glove type and the glove model. Therefore, the manufacturers technical data should always be taken into account to ensure selection of the most appropriate glove for the task. Note: Depending on the activity being conducted, gloves of varying thickness may be required for specific tasks. For example: • Thinner gloves (down to 0.1 mm or less) may be required where a high degree of manual dexterity is needed. However, these gloves are only likely to give short duration protection and would normally be just for single use applications, then disposed of. • Thicker gloves (up to 3 mm or more) may be required where there is a mechanical (as well as a chemical) risk i.e. where there is abrasion or puncture potential Gloves must only be worn on clean hands. After using gloves, hands should be washed and dried thoroughly. Application of a non-perfumed moisturiser is recommended. Experience indicates that the following polymers are suitable as glove materials for protection against undissolved, dry solids, where abrasive particles are not present. • polychloroprene. • nitrile rubber. • butyl rubber. • butyl rubber. • polychloroprene. • hitrile rubber. • polyvinyl chloride. Gloves should be examined for wear and/ or degradation constantly.
Body protection	See Other protection below
Other protection	 Overalls. P.V.C apron. Barrier cream. Skin cleansing cream. Eye wash unit.

Recommended material(s)

GLOVE SELECTION INDEX

Glove selection is based on a modified presentation of the:

"Forsberg Clothing Performance Index".

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

Dunlop Ready-to-Go Grout (Ultrawhite)

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

* CPI - Chemwatch Performance Index

A: Best Selection

B: Satisfactory; may degrade after 4 hours continuous immersion

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

selection must be based on detailed observation. -

* Where the glove is to be used on a short term, casual or infrequent basis, factors such as "feel" or convenience (e.g. disposability), may dictate a choice of gloves which might otherwise be unsuitable following long-term or frequent use. A qualified practitioner should be consulted.

Ansell Glove Selection

Respiratory protection

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

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

* - Negative pressure demand ** - Continuous flow

A(All classes) = Organic vapours, B AUS or B1 = Acid gasses, B2 = Acid gas or hydrogen cyanide(HCN), B3 = Acid gas or hydrogen cyanide(HCN), E = Sulfur dioxide(SO2), G = Agricultural chemicals, K = Ammonia(NH3), Hg = Mercury, NO = Oxides of nitrogen, MB = Methyl bromide, AX = Low boiling point organic compounds(below 65 degC)

Respirators may be necessary when engineering and administrative controls do not
adequately prevent exposures.

 The decision to use respiratory protection should be based on professional judgment that takes into account toxicity information, exposure measurement data, and frequency and likelihood of the worker's exposure - ensure users are not subject to high thermal loads which may result in heat stress or distress due to personal protective equipment (powered, positive flow, full face apparatus may be an option).

 \cdot Published occupational exposure limits, where they exist, will assist in determining the adequacy of the selected respiratory protection. These may be government mandated or vendor recommended.

 Certified respirators will be useful for protecting workers from inhalation of particulates when properly selected and fit tested as part of a complete respiratory protection program.

• Where protection from nuisance levels of dusts are desired, use type N95 (US) or type P1 (EN143) dust masks. Use respirators and components tested and approved under

appropriate government standards such as NIOSH (US) or CEN (EU)
Use approved positive flow mask if significant quantities of dust becomes airborne.
Try to avoid creating dust conditions.

Class P2 particulate filters are used for protection against mechanically and thermally generated particulates or both.

P2 is a respiratory filter rating under various international standards, Filters at least 94% of airborne particles

Suitable for:

Relatively small particles generated by mechanical processes eg. grinding, cutting, sanding, drilling, sawing.

Sub-micron thermally generated particles e.g. welding fumes, fertilizer and bushfire smoke.

 \cdot Biologically active airborne particles under specified infection control applications e.g. viruses, bacteria, COVID-19, SARS

Glove — In order of recommendation
AlphaTec® 15-554
AlphaTec® Solvex® 37-185
AlphaTec® 38-612
AlphaTec® 58-008
AlphaTec® 58-530B
AlphaTec® 79-700
DermaShield™ 73-711
MICROFLEX® 63-864
MICROFLEX® 93-244
MICROFLEX® 93-252

SECTION 9 Physical and chemical properties

Information on basic physical and chemical properties

Appearance	White powder; insoluble in water.		
Physical state	Divided Solid	Relative density (Water = 1)	Not Available
Odour	Not Available	Partition coefficient n-octanol / water	Not Available
Odour threshold	Not Available	Auto-ignition temperature (°C)	Not Applicable
pH (as supplied)	Not Applicable	Decomposition temperature (°C)	Not Available
Melting point / freezing point (°C)	Not Available	Viscosity (cSt)	Not Applicable
Initial boiling point and boiling range (°C)	Not Applicable	Molecular weight (g/mol)	Not Applicable
Flash point (°C)	Not Applicable	Taste	Not Available
Evaporation rate	Not Available	Explosive properties	Not Available
Flammability	Not Applicable	Oxidising properties	Not Available
Upper Explosive Limit (%)	Not Applicable	Surface Tension (dyn/cm or mN/m)	Not Applicable
Lower Explosive Limit (%)	Not Applicable	Volatile Component (%vol)	Not Available
Vapour pressure (kPa)	Not Applicable	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	 Unstable in the presence of incompatible materials. Product is considered stable. Hazardous polymerisation will not occur.
Possibility of hazardous reactions	See section 7
Conditions to avoid	See section 7
Incompatible materials	See section 7
Hazardous decomposition products	See section 5

SECTION 11 Toxicological information

Information on toxicological effects

Inhaled	Evidence shows, or practical experience predicts, that the material produces irritation of the respiratory system, in a substantial number of individuals, following inhalation. In contrast to most organs, the lung is able to respond to a chemical insult by first removing or neutralising the irritant and then repairing the damage. The repair process, which initially evolved to protect mammalian lungs from foreign matter and antigens, may however, produce further lung damage resulting in the impairment of gas exchange, the primary function of the lungs. Respiratory tract irritation often results in an inflammatory response involving the recruitment and activation of many cell types, mainly derived from the vascular system. Inhalation of vapours may cause drowsiness and dizziness. This may be accompanied by narcosis, reduced alertness, loss of reflexes, lack of coordination and vertigo. Persons with impaired respiratory function, airway diseases and conditions such as emphysema or chronic bronchitis, may incur further disability if excessive concentrations of particulate are inhaled. If prior damage to the circulatory or nervous systems has occurred or if kidney damage has been sustained, proper screenings should be conducted on individuals who may be exposed to further risk if handling and use of the material result in excessive exposures.
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Dunlop Ready-to-Go Grout (Ultrawhite)

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	 The material produces moderate skin irritation; evidence exists, or practical experience predicts, that the material either produces moderate inflammation of the skin in a substantial number of individuals following direct contact, and/or produces significant, but moderate, inflammation when applied to the healthy intact skin of animals (for up to four hours), such inflammation being present twenty-four hours or more after the end of the exposure period. Skin irritation may also be present after prolonged or repeated exposure; this may result in a form of contact dermatitis (nonallergic). The dermatitis is often characterised by skin redness (erythema) and swelling (oedema) which may progress to blistering (vesiculation), scaling and thickening of the epidermis. At the microscopic level there may be intercellular oedema of the spongy layer of the skin (spongiosis) and intracellular oedema of the epidermis. Open cuts, abraded or irritated skin should not be exposed to this material Entry into the blood-stream through, for example, cuts, abrasions, puncture wounds 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	When applied to the eye(s) of animals, the material produces	severe ocular lesions which are present twenty-four hours or more after instillation.	
Chronic	When applied to the eye(s) of animals, the material produces severe ocular lesions which are present twenty-four hours or more after instillation. Long-term exposure to respiratory irritants may result in disease of the airways involving difficult breathing and related systemic problems. Practical experience shows that skin contact with the material is capable either of inducing a sensitisation reaction in a substantial number of individuals, and/or of producing a positive response in experimential animals. Substances that can cause occupational asthma (also known as asthmagens and respiratory sensitisers) can induce a state of specific airway hyper-responsiveness via an immunological, initiant or other mechanism. Once the airways have become hyper-responsive, further exposure to the substances, cometimes even to liny quantities, may cause respiratory symptoms. These symptoms can range in severity from a numy nose asthma. Not all workers who are exposed to a sensitiser will become hyper-responsive, and it is impossible to identify in advance who are likely become hyper-responsive. Substances than can cuase occupational asthma should be distinguished from substances which may trigger the symptoms of asthma in peop with pre-existing air-way hyper-responsive. Activities giving ise to short-term peak concentrations should receive particular attention when risk management is being considered. Health surveillance is appropriate for all employees exposed or liable to be exposed to a substance which may cause occupational asthma and there should be appropriate consultation with an occupational health professional over the degree of risk and level of surveillance. Limited evidence suggests that repeated or long-term occupational exposure may produce cumulative health effects involving organs or biochemical systems. Prue calcium carbonate does not produce pneumconicies probably being eliminated from the lungs slowly by solution. As mined, unsterlised particulates can carry bacteria into the air passages and lungs, produc		
Dunlop Ready-to-Go Grout	ΤΟΧΙΟΙΤΥ	IRRITATION	
(Ultrawhite)	Not Available	Not Available	
	TOXICITY dermal (rat) LD50: >2000 mg/kg ^[1]	IRRITATION Eye (rabbit): 0.75 mg/24h - SEVERE	
calcium carbonate	Inhalation(Rat) LC50: >3 mg//4h ^[1]	Eye: no adverse effect observed (not irritating) ^[1]	
calcium carbonale	Oral (Rat) LD50: >2000 mg/kg ^[1]	Skin (rabbit): 500 mg/24h-moderate	
		Skin: no adverse effect observed (not irritating) ^[1]	
		China the develop officer objectived (not initialing).	
	ΤΟΧΙΟΙΤΥ	IRRITATION	
C Diamont White C	dermal (hamster) LD50: >=10000 mg/kg ^[2]	Eye: no adverse effect observed (not irritating) ^[1]	
C.I. Pigment White 6	dermal (hamster) LD50: >=10000 mg/kg ^[2] Inhalation(Rat) LC50: >2.28 mg/l4h ^[1]	Eye: no adverse effect observed (not irritating) ^[1] Skin (rabbit) Draize 0.3mg/3hrInt Mild	

	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]		
	TOXICITY dermal (rat) LD50: >1008 mg/kg ^[2]	IRRITATION Eye: adverse effect observed (irreversible damage) ^[1]	
5-chloro-2-methyl- 4-isothiazolin-3-one	Inhalation(Rat) LC50: 1.23 mg/kg ⁽²⁾	Skin: adverse effect observed (inteversible damage) ⁽⁻⁾	
	Oral (Rat) LD50: 53 mg/kg ^[2]	Skin: adverse effect observed (consive): ¹	
		(U)	
Legend:	 Value obtained from Europe ECHA Registered Substances - Acute to specified data extracted from RTECS - Register of Toxic Effect of chemin 		
	·		
	No evidence of carcinogenic properties. No evidence of mutagenic or ter	ratogenic effects.	
CALCIUM CARBONATE	The material may produce severe irritation to the eye causing pronounced inflammation. Repeated or prolonged exposure to irritants may produce conjunctivitis. 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 the epidermis. Histologically there may be intercellular oedema of the spongy layer (spongiosis) and intracellular oedema of the epidermis.		
C.I. PIGMENT WHITE 6	is poorly characterized relative to that in experimental animals. (General deposition and retention patterns of inhaled, poorly soluble particles such black.) With regard to inhaled titanium dioxide, human data are mainly ar lung tissue as well as in lymph nodes. A single clinical study of oral inges by the gastrointestinal tract and large interindividual variations in blood le containing ultrafine titanium dioxide to healthy skin of human volunteers layers of the stratum corneum, suggesting that healthy skin is an effectivitianium dioxide in compromised skin. Respiratory effects that have been observed among groups of titanium dioxide in compromised skin. No data were available on genotoxic effects in titanium dioxide-exposed Many data on deposition, retention and clearance of titanium dioxide in edioxide inhalation studies showed differences — both for normalized put clearance kinetics — among rodent species including rats of different is pre-exposure to gaseous pollutants or co-exposure to cytotoxic aerosols focal areas of high particle burden have been implicated in the higher too titanium dioxide particles. Experimental studies with titanium dioxide hava alveolar macrophage-mediated clearance. Hamsters have the most efficient titanium dioxide particles. Experimental studies with utanium dioxide hava alveolar macrophage-mediated clearance are related to lung burden i impaired phagocytosis and sequestration of ultrafine particles into the inifimative differents are vitices on a mass basis. These differences are related to lung burden i impaired phagocytosis and sequestration of ultrafine particles. Into the inifimative divide particles show minimal cytotoxicity to and inflammation and sociated particles. Interviewed at this effect does not occur with fine tit purified DNA show induction of DNA damage that is suggestive of the ge stronger for ultrafine than for fine titanium oxide, and is markedly enhance Animal carcinogenicity data Pigmentary and ultrafine titanium dioxide were tested for carcinogenicity m	dermal contact. In human lungs, the clearance kinetics of titanium dioxide particle characteristics and host factors that are considered to affect h as titanium dioxide are summarized in the monograph on carbon vailable from case reports that showed particle size-dependent absorption evels of titanium dioxide. Studies on the application of sunscreens revealed that titanium dioxide particles only penetrate into the outermost the barrier to titanium dioxide. There are no studies on penetration of flioxide-exposed workers include decline in lung function, pleural disease , the workers in these studies were also exposed to asbestos and/or humans. experimental animals are available for the inhalation route. Titanium Immary burden (deposited mass per dry lung, mass per body weight) and ze, age and strain. Clearance of titanium dioxide is also affected by a. Differences in dose rate or clearance kinetics and the appearance of xic and inflammatory lung responses to intratracheally instilled vs inhaled we demonstrated that rodents experience dose-dependent impairment of ient clearance of inhaled titanium dioxide. Ultrafine primary particles of d pulmonary effects including lung epithelial cell injury, cholesterol s after exposure to ultrafine titanium dioxide particles compared with fine in terms of particle surface area, and are considered to result from terstitium. atory/pro-fibrotic mediator release from primary human alveolar oxide particles inhibit phagocytosis of alveolar macrophages in vitro at tanium dioxide. In-vitro studies with fine and ultrafine titanium dioxide and aneration of reactive oxygen species by both particle types. This effect is bed by exposure to simulated sunlight/ultraviolet light.	
2-METHYL- 4-ISOTHIAZOLIN-3-ONE	NOTE: Substance has been shown to be mutagenic in at least one assa cellular DNA. Considered to be a minor sensitiser in Kathon CG (1)	y, or belongs to a family of chemicals producing damage or change to	
5-CHLORO-2-METHYL- 4-ISOTHIAZOLIN-3-ONE	Considered to be the major sensitiser in Kathon CG (1)		
CALCIUM CARBONATE & 2-METHYL- 4-ISOTHIAZOLIN-3-ONE & 5-CHLORO-2-METHYL-	Asthma-like symptoms may continue for months or even years after 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 challence testing, and the lack of minimal		

5-CHLORO-2-METHYL-4-ISOTHIAZOLIN-3-ONE airflow pattern on lung function tests, moderate to severe bronchial hyperreactivity on methacholine challenge testing, and the lack of minimal lymphocytic inflammation, without eosinophilia. RADS (or asthma) following an irritating inhalation is an infrequent disorder with rates related to

	the concentration of and duration of exposure to the ir result of exposure due to high concentrations of irritati	5	
2-METHYL- 4-ISOTHIAZOLIN-3-ONE & 5-CHLORO-2-METHYL- 4-ISOTHIAZOLIN-3-ONE	disorder is characterized by difficulty breathing, cough The following information refers to contact allergens a Contact allergies quickly manifest themselves as cont eczema involves a cell-mediated (T lymphocytes) imm involve antibody-mediated immune reactions. The sig distribution of the substances are noteworthy if the Exposure to the material may result in a possible risk raised, generally, on the basis of appropriate studies with similar materials using mamm vitro mutagenicity studies. In light of potential adverse effects, and to ensure a he been established with the objective of ensuring a high required that risk assessment of biocidal products is c assessment of the biocidal products are the utilization thus the exposure of humans and the environment to Humans may be exposed to biocidal products is of assessment of the biocidal products are the utilization thus the exposure of numans and the environment to Humans may be exposed to biocidal products is c assessment of underable sub-populations, such as t exposed indirectly following the application of biocidal contact, and ingestion) and pathway (food, drinking wu No significant acute toxicological data identified in liter The material may be irritating to the eye, with prolonged dermatitis is often characterised by skin redness (erylt spongy layer (spongiosis) and intracellular oedema of The European Union has reclassified several formaldé and hydroxypropylamine (HPT) as category 1B carcin releasing agents were not. This is no longer the case. releasable formaldehyde is more than > 1000 ppm (>C Water mix metalworking fluids are subject to contamin maintenance. The use of preservatives both within the potentially harmful microbes that could cause health p A large proportion of bactericides on the market today conditions they release small amounts of formaldehyde following hydrolysis. The most widely used antimicrob release detectable levels of formaldehyde is released whe microorganisms). Formaldehyde because formaldehyde is released whe microorganisms).	s a group and may not be specific to t act eczema, more rarely as urticaria of hune reaction of the delayed type. Oth hificance of the contact allergen is not contact with it are equally important. <i>J</i> with stronger sensitising potential wit y produce an allergic test reaction in n of irreversible effects. The material ma- halian somatic cells in vivo. Such findi armonised risk assessment and mana level of protection of human and anin arried out before they can be placed of instructions that defines the dosage, the biocidal substance. ent ways in both occupational and do as other biocidal products are commo biocidal products (i.e. the general pub ill as through atmospheric and resider he elderly, pregnant women, and child products. Furthermore, exposure to b ater, residential, occupational) of expor- rature search. ed contact causing inflammation. Rep or repeated exposure and may produ hema) and swelling epidermis. Histolo the epidermis. shyde-releasing agents (FRAs) such a ogens. Previously, formaldehyde itsel Based on this regulation, formulation 0.1%), have to be labelled as carcinog tation by bacteria and fungi, and the c formulation and tank-side treatment roblems for workers. are classed as formaldehyde releasin ile – this is their mode of action in the pole due to potential changes in legisla y) was made to re-classify formaldehy nent Committee (RAC) that formaldeh n these substances come into contact as preservatives (antimicrobials, biocid ial compounds function by releasing f space, above working solutions, espe opliers and users to replace formaldef nicals that can be recognised by a sm haldehyde-condensates biocides, such as tr s). The hypothesis further asserts that NTM in IMWF sa nd that the subseque insical lengic ut or laboured respiration 38/CC, the maximum authorised conc tances in this Annex and which release or free formaldehyde in the product <i>is</i> to release formaldehyde in very smat free formaldehyde in the product <i>is</i> to replace formaldely in size as trapidly with organic and the reacts	r Quincke's oedema. The pathogenesis of contact er allergic skin reactions, e.g. contact urticaria, simply determined by its sensitisation potential: the A weakly sensitising substance which is widely h which few individuals come into contact. From a more than 1% of the persons tested. ay produce mutagenic effects in man. This concern is ings are often supported by positive results from in gement, the EU regulatory framework for biocides has nal health and the environment. To this aim, it is on the market. A central element in the risk application method and amount of applications and mestic settings. Many biocidal products are intended nly available for private use by non-professional lic) may occur indirectly via the environment, for ntial exposure. Particular attention should be paid to tren. Also pets and other domestic animals can be biocides may vary in terms of route (inhalation, dermal usure, level, frequency and duration. eated or prolonged exposure to irritants may produce ce a contact dermatitis (nonallergic). This form of ugically there may be intercellular oedema of the as methylenedimorpholine (MBM), oxazolidine (MBO) f was classed as a carcinogen – but formaldehyde- s for which the maximum theoretical concentration of profic. ontrol of this is an essential part of good fluid plays a significant contribution in the protection of ng biocides which means that under specific presence of bacteria. Although they are effective as a tion. de as a category 1b H350 carcinogen and category 2 yde release biocides. Formaldehyde may be generated ormaldehyde once inside the microbe cell. Some cially when pH has dropped. Nyde generators. all, easily detachable formaldehyde moiety, prepared on that also includes amines, such as triethanolamine introsamines are carcinogenic substances that can this putative microbial imbalance favours the ent inhalation of NTM-containing aerosols can cause entage of susceptible workers. Symptoms of HP entration of free formaldehyde is 0.2% (2000 ppm). In the formaldehyde must be l
Acute Toxicity	×	Carcinogenicity	×
Skin Irritation/Corrosion	¥	Reproductivity	×
Serious Eye Damage/Irritation	×	STOT - Single Exposure	×
Respiratory or Skin sensitisation	✓	STOT - Repeated Exposure	×
	×	Asniration Hazard	×
Mutagenicity	<u>^</u>	Aspiration Hazard	

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

SECTION 12 Ecological information

Dunlop Ready-to-Go Grout	Endpoint	Test Duration (hr)	Species	Value	Source
(Ultrawhite)	Not Available	Not Available	Not Available	Not Available	Not Availabl
	Endpoint	Test Duration (hr)	Species	Value	Sourc
	EC50	72h	Algae or other aquatic plants	>14mg/l	2
calcium carbonate	NOEC(ECx)	1h	Fish	4-320mg/l	4
	LC50	96h	Fish	>165200mg/L	4
	Endpoint	Test Duration (hr)	Species	Value	Sourc
	BCF	1008h	Fish	<1.1-9.6	7
	EC50	72h	Algae or other aquatic plants	3.75-7.58mg/l	4
C.I. Pigment White 6	EC50	48h	Crustacea	1.9mg/l	2
	EC50	96h	Algae or other aquatic plants	179.05mg/l	2
	LC50	96h	Fish	1.85-3.06mg/l	4
	NOEC(ECx)	672h	Fish	>=0.004mg/L	2
	Endpoint	Test Duration (hr)	Species	Value	Sourc
	EC50	72h	Algae or other aquatic plants	0.057mg/L	2
	EC50	48h	Crustacea	0.189-0.257mg/L	4
-methyl-4-isothiazolin-3-one	EC50	96h	Algae or other aquatic plants	0.061mg/L	2
	LC50	96h	Fish	0.081-0.122mg/L	4
	NOEC(ECx)	96h	Algae or other aquatic plants	0.01mg/l	2
	Endpoint	Test Duration (hr)	Species	Value	Sourc
	EC50	72h	Algae or other aquatic plants	0.018-0.026mg/L	4
5-chloro-2-methyl-	EC50	48h	Crustacea	4.71mg/l	1
4-isothiazolin-3-one	EC50	96h	Algae or other aquatic plants	0.03-0.13mg/L	4
	LC50	96h	Fish	0.13-0.31mg/L	4
	NOEC(ECx)	504h	Crustacea	0.172mg/l	1
Legend:	Ecotox databas		CHA Registered Substances - Ecotoxicological Info C Aquatic Hazard Assessment Data 6. NITE (Japai		

DO NOT discharge into sewer or waterways.

Persistence and degradability

Ingredient	Persistence: Water/Soil	Persistence: Air
C.I. Pigment White 6	HIGH	HIGH
2-methyl-4-isothiazolin-3-one	HIGH	HIGH
5-chloro-2-methyl- 4-isothiazolin-3-one	HIGH	HIGH

Bioaccumulative potential

Ingredient	Bioaccumulation
C.I. Pigment White 6	LOW (BCF = 10)
2-methyl-4-isothiazolin-3-one	LOW (LogKOW = -0.8767)
5-chloro-2-methyl- 4-isothiazolin-3-one	LOW (LogKOW = 0.0444)

Mobility in soil

Ingredient	Mobility
C.I. Pigment White 6	LOW (KOC = 23.74)
2-methyl-4-isothiazolin-3-one	LOW (KOC = 27.88)
5-chloro-2-methyl- 4-isothiazolin-3-one	LOW (KOC = 45.15)

SECTION 13 Disposal considerations

Waste treatment methods		
	Product / Packaging disposal	 DO NOT allow wash water from cleaning or process equipment to enter drains. It may be necessary to collect all wash water for treatment before disposal. In all cases disposal to sewer may be subject to local laws and regulations and these should be considered first. Where in doubt contact the responsible authority.

SECTION 14 Transport information

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

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

Not Applicable

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

Product name	Group
calcium carbonate	Not Available
C.I. Pigment White 6	Not Available
2-methyl-4-isothiazolin-3-one	Not Available
5-chloro-2-methyl- 4-isothiazolin-3-one	Not Available

14.7.3. Transport in bulk in accordance with the IGC Code

Product name	Ship Type
calcium carbonate	Not Available
C.I. Pigment White 6	Not Available
2-methyl-4-isothiazolin-3-one	Not Available
5-chloro-2-methyl- 4-isothiazolin-3-one	Not Available

SECTION 15 Regulatory information

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

calcium carbonate is found on the following regulatory lists

Australian Inventory of Industrial Chemicals (AIIC)

C.I. Pigment White 6 is found on the following regulatory lists

Australian Inventory of Industrial Chemicals (AIIC)

Chemical Footprint Project - Chemicals of High Concern List

International Agency for Research on Cancer (IARC) - Agents Classified by the IARC Monographs

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

5-chloro-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 International WHO List of Proposed Occupational Exposure Limit (OEL) Values for Manufactured Nanomaterials (MNMS)

International Agency for Research on Cancer (IARC) - Agents Classified by the IARC Monographs - Group 2B: Possibly carcinogenic to humans International WHO List of Proposed Occupational Exposure Limit (OEL) Values for Manufactured Nanomaterials (MNMS)

Australian Inventory of Industrial Chemicals (AIIC)

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 (C.I. Pigment White 6; 2-methyl-4-isothiazolin-3-one; 5-chloro-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	

National Inventory	Status	
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	08/09/2023
Initial Date	08/09/2023

SDS Version Summary

Version	Date of Update	Sections Updated
2.1	08/09/2023	Identification of the substance / mixture and of the company / undertaking - Use, 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

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