



Oxtek Solutions Pty Ltd
Product: X230 Densi-Proof™ Repeller
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Date of Issue: July 2021

SAFETY DATA SHEET

SECTION 1 – IDENTIFICATION OF MATERIAL AND SUPPLIER

AUSTRALIAN SUPPLIER:	Oxtek Solutions Pty Ltd.
ABN:	55 644 013 123.
ADDRESS:	5 / 17-19 Miles Street, Mulgrave VIC 3170.
POSTAL ADDRESS:	5 / 17-19 Miles Street, Mulgrave VIC 3170.
TELEPHONE:	(+61 3) 9798 7534.
AH EMERGENCY TELEPHONE:	131 126 (24 Hours) – Australian National Poisons Centre.
WEB PAGE:	www.oxtek.com.au
NEW ZEALAND CONTACT:	Lynch & Associates Ltd.
ADDRESS:	Lv5, 60 Parnell Rd, Parnell, Auckland 1052, New Zealand.
TELEPHONE:	(+61 3) 9798 7534
AH EMERGENCY TELEPHONE:	0800 POISON (0800 764 766) (24 Hours) - New Zealand National Poisons Centre.
Product Name:	X230 Densi-Proof™ Repeller.
Proper Shipping Name:	Not applicable.
Product Use:	Inorganic binder for concrete treatment.
Manufacturer's Product Code:	X230.
Creation Date:	20 July 2021.
Revision Date:	Before 19 June 2026.

SECTION 2 – HAZARDS IDENTIFICATION

AUSTRALIA:

This product is **classified** as a **HAZARDOUS CHEMICAL** in accordance with the WHS, and is **classified** as **HAZARDOUS** in accordance with the GHS and is **not classified** as **DANGEROUS GOODS** according to the Australian Dangerous Goods (ADG) Code.

Dangerous Goods:	Not applicable.	
Hazardous Classes & Categories:	Hazard Classes	Hazard Category
Physical:	Not applicable.	Not applicable.
Health:	Skin corrosion/irritation.	Category 2.
	Serious eye damage/eye irritation.	Category 1.
Environmental:	Not applicable.	Not applicable.
LABEL ELEMENTS:		
Signal Word:	DANGER.	
Hazard Statements:	H315: Causes skin irritation.	
	H318: Causes serious eye damage.	
Precautionary Statements:		
Prevention:	P264: Wash skin thoroughly after handling. P280: Wear protective gloves/eye protection/face protection.	
Response:	P302 + P352: IF ON SKIN: Wash with plenty of soap and water. P305 + P351 + P338: IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. P310: Immediately call a POISON CENTER or doctor/physician. P332 + P313: If skin irritation occurs: Get medical advice/attention. P362: Take all contaminated clothing and wash before reuse.	
Storage:	Not applicable.	
Disposal:	Not applicable.	



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SECTION 2 – HAZARDS IDENTIFICATION (CONTINUED)

General: If medical advice is needed, have product container or label at hand.
Keep out of reach of children.
Read label before use.

Pictogram:



Pictogram Description: Corrosion
Other Hazards which do not result in Classification: Not applicable.

NEW ZEALAND:

This product is **classified** as **HAZARDOUS** according to the New Zealand Hazardous Substances (Hazard Classification) Notice 2020 with EPA (formerly ERMA) Register Approval Number HSR002670 and Surface Coatings and Colourants (Subsidiary Hazard) Group Standard 2020, and **not classified** as **Dangerous Goods** for transport, according to the New Zealand Standard NZS 5433:2020 Transport of Dangerous Goods on Land.

Dangerous Goods:	Not applicable.	
Hazardous Classes & Categories:	Hazard Classes	Hazard Category
Physical:	Not applicable.	Not applicable.
Health:	Skin corrosion/irritation.	Category 2.
	Serious eye damage/eye irritation.	Category 1.
Environmental:	Not applicable.	Not applicable.

LABEL ELEMENTS:

Signal Word: **DANGER.**
Hazard Statements: **H315: Causes skin irritation.**
H318: Causes serious eye damage.

Precautionary Statements:

Prevention: P264: Wash skin thoroughly after handling.
P280: Wear protective gloves/eye protection/face protection.

Response: P302 + P352: IF ON SKIN: Wash with plenty of soap and water.
P305 + P351 + P338: IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.
P310: Immediately call a POISON CENTER or doctor/physician.
P332 + P313: If skin irritation occurs: Get medical advice/attention.
P362: Take all contaminated clothing and wash before reuse.

Storage: Not applicable.
Disposal: Not applicable.
General: If medical advice is needed, have product container or label at hand.
Keep out of reach of children.
Read label before use.



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SECTION 2 – HAZARDS IDENTIFICATION (CONTINUED)

Pictogram:



Pictogram Description: Corrosion
Other Hazards which do not result in Classification: Not applicable.

SECTION 3 – COMPOSITION / INFORMATION ON INGREDIENTS

Ingredients:	CAS Number:	Proportion:
Inorganic Alkali Silicates (Non-Hazardous)	Proprietary	10 - < 30% w/w
Silicon compound	Proprietary	< 5% w/w
Potassium hydroxide	1310-58-3	< 1% w/w
Inorganic Silicon Compounds (Non-Hazardous)	Proprietary	< 1% w/w
Other Compounds (Non-Hazardous)	Proprietary	< 1% w/w
Water	7732-18-5	To 100% w/w
Total		100% w/w

SECTION 4 – FIRST AID MEASURES

Scheduled Poisons (AUSTRALIA):	Poisons Information Centre in each Australian State capital city can provide additional assistance for scheduled poisons. (Phone Australia 13 1 126) or a doctor (at once).
Scheduled Poisons (NEW ZEALAND):	New Zealand National Poisons Centre can provide additional assistance for scheduled poisons. Phone 0800 POISON (or 0800 764 766) or a doctor (at once).
First Aid Facilities Required:	Eye wash fountains and a general washing facility should be easily accessible in the immediate work area.
Inhalation:	Remove victim from exposure and to ventilated air - avoid becoming a casualty. Seek medical advice if necessary.
Ingestion (Swallowed):	If swallowed DO NOT induce vomiting. Immediately rinse out mouth with water. Never give anything by mouth to an unconscious patient. If vomiting occurs naturally, have victim lean forward to reduce the risk of aspiration into the lungs. Get medical attention immediately.
Skin Contact:	Remove affected person from source of contamination. If skin or hair contact occurs, remove contaminated clothing and flush skin and hair with running water. Get medical attention immediately.
Eye Contact:	Remove victim immediately from source of exposure. If in eyes, hold eyelids apart and flush the eye continuously with running water. Make sure to remove any contact lenses from the eyes before rinsing. Continue flushing until advised to stop by a Poisons Information Centre (e.g. phone Australia 131 126; New Zealand 0800 764 766) or a doctor, or for at least 15 minutes. Get medical attention immediately.
Protection of First-aiders:	No special precautions are envisaged to be required.
Advice to Doctor:	No specific antidote. Treat symptomatically. Poisons Information Centre in each Australian State capital city or New Zealand National Poisons Centre can provide additional assistance for scheduled poisons.



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SECTION 5 – FIRE FIGHTING MEASURES

Hazards from Combustion	Product itself is not combustible. If this product is subject to combustion in a general fire it will undergo hazardous decomposition that will yield the formation and release of hazardous substances including but not limited to Carbon monoxide (CO), Carbon dioxide (CO ₂), and other possibly toxic gases and vapours.
Products:	
Suitable Extinguishing Media:	Define extinguishing measures according to neighbouring conditions.
Unsuitable Extinguishing Media:	Not applicable.
Precautions for Fire Fighting:	Wear a self-contained breathing apparatus (SCBA) with a full-face piece operated in the positive pressure demand mode with appropriate turn-out gear and chemical resistant personal protective equipment. Minimise exposure. Do not breathe fumes. Contain run-off, prevent by any means available spillage from entering drains and water course.
HAZCHEM Code:	Not applicable.
AERGB:	Not applicable.
IERG:	Not applicable.
Flash Point:	Not applicable.
Flammability:	Product is Non-combustible according to the Australian Code for the Transport of Dangerous Goods by Road and Rail and the New Zealand Standard NZS 5433:2020 Transport of Dangerous Goods on Land. No special measures for fire and explosion protection. If this product is subject to combustion in a general fire it will undergo hazardous decomposition that will yield the formation and release of hazardous substances including but not limited to Carbon monoxide (CO), Carbon dioxide (CO ₂), and other possibly toxic gases and vapours.

SECTION 6 – ACCIDENTAL RELEASE MEASURES

Spills:	
Personal Precautions, Protective Equipment and Emergency Procedures:	In case of spill, isolate hazard area and deny entry. Product may represent a slip hazard. Wear protective clothing as described in Section 8 of this safety data sheet. Eye contact should be prevented by means of suitable personal protection equipment. See Section 8, Exposure Controls and Personal Protection for further information regarding personal protection. See Section 4, First Aid Measures, for further information. <u>Eye and face protection:</u> The use of face shields, chemical goggles, or safety glasses with side shield protection (meeting the requirements of AS/NZS 1337) is recommended. If exposed to dust or fume, wear dust-tight goggles (meeting the requirements of AS/NZS 1337).



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SECTION 6 – ACCIDENTAL RELEASE MEASURES (CONTINUED)

Skin protection:

Hand protection: If risk of skin contact, alkaline resistant gloves (e.g. Butyl, Natural Rubber Latex with small amount of Polychloroprene Latex, Polychloroprene, Nitrile, PolyVinyl Chloride or PVC, Polyvinyl Alcohol or PVAL gloves complying with AS 2161) are recommended. However, due to variations in glove construction and local conditions, the user should make a final assessment. Gloves should be removed and replaced immediately if there is any indication of degradation. Rinse and remove gloves immediately after use. Wash hands with soap and water. Barrier cream applied before work may make it easier to clean the skin after exposure, but does not prevent absorption through the skin.

Clothing: Suitable protective clothing complying with AS/NZS 4501 and suitable chemical resistant footwear complying with AS/NZS 2210 are recommended.

Respiratory protective equipment: No special precautions are envisaged to be required. However, if the product is spilled in case of inadequate ventilation or if exposure standards are exceeded then use a full-face air purifying respirator (with Class A filter for organic vapours boiling above 65°C) meeting the requirements of AS/NZS 1715 and AS/NZS 1716.

Environmental Precautions:

Do not allow to enter drainage system, surface or ground water. In the event of product entering waters or drainage system, or polluting soil or plants contact the Environmental Protection Authority or your local Waste Management Authority.

Methods & Materials for Containment & Cleaning up:

Small Spills:

Absorb spill with material (cloth or paper), then place in chemical waste containers. The wasted material can be disposed of by incineration (preferably high temperature) by an approved agent according to State, Territory and/or Local government regulations.

Large Spills:

DO NOT TOUCH SPILLED MATERIAL! Stop leak if possible without risk. Spilt material should be absorbed into dry, inert material (e.g. sand, vermiculite, diatomite, acid binders, universal binders, sawdust etc.), which then can be put into appropriately labelled drums. The wasted material can be disposed of by incineration (preferably high temperature) by an approved agent according to State, Territory and/or Local government regulations.



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SECTION 7 – HANDLING AND STORAGE

Precautions for Safe Handling:	Avoid all personal contact, including skin and eye contact and contamination of clothing. Wear protective clothing when risk of exposure occurs. Avoid contact with incompatible materials. When handling, DO NOT eat, drink or smoke. Keep containers closed at all times. Avoid physical damage to containers. Always wash hands with soap and water after handling. Work clothes should be laundered separately. Launder contaminated clothing before re-use.
Information about Fire and Explosion Protection:	No special measures required. Refer to State Regulations for storage and transport requirements.
Conditions for Safe Storage, including any Incompatibilities:	Store away from incompatible substances including acids and light alloys. Keep containers closed at all times.
Storage Class:	Corrosive storage.
Requirements for Storerooms & Receptacles:	Do not use light alloy receptacles.
Unsuitable Materials for Receptacles:	Aluminium, zinc, glass or ceramic.
Suitable Materials for Receptacles & Pipes:	Steel or stainless steel. Use polyolefin receptacles.
Further Information about Storage Conditions:	Protect from frost.

SECTION 8 – EXPOSURE CONTROLS AND PERSONAL PROTECTION

Exposure Limits (AUSTRALIA):	National Occupational Exposure Limits, as published by Safe Work Australia: Time-weighted Average (TWA): None established for product. TWA for Potassium hydroxide is 2 mg/m ³ (Peak limitation). Short Term Exposure Limit (STEL): None established for product.
Exposure Limits (NEW ZEALAND):	Workplace Exposure Standards, as published by The Workplace Group of the Department of Labour, Department of Labour, New Zealand: Time-weighted Average (TWA): None established for product. WES-Ceiling for Potassium hydroxide is 2 mg/m ³ . Short Term Exposure Limit (STEL): None established for product.
Engineering Controls:	Product is recommended to be applied using a spray apparatus. In outdoor application no special ventilation or breathing equipment is required. If applied indoors, extra mechanical ventilation may be required to facilitate more comfortable breathing and minimize the risk of inhalation of vapours.
Personal Protection:	<u>General protective & hygiene measures:</u> DO NOT SMOKE IN WORK AREA! Wear protective clothing as described in Section 8 of this safety data sheet. Eye contact should be prevented by means of suitable personal protection equipment. See Section 8, Exposure Controls and Personal Protection for further information regarding personal protection. See Section 4, First Aid Measures, for further information. The usual precautionary measures are to be adhered to when handling chemicals. Keep away from foodstuffs, beverages and feed. Immediately remove all soiled and contaminated clothing. Avoid contact with the eyes and skin. When using do not eat, drink or smoke. Wash hands before breaks, at the end of each work shift and before eating, smoking and using the toilet. Wash promptly if skin becomes wet or contaminated.



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SECTION 8 – EXPOSURE CONTROLS AND PERSONAL PROTECTION (CONTINUED)

Eye and face protection: The use of face shields, chemical goggles, or safety glasses with side shield protection (meeting the requirements of AS/NZS 1337) is recommended. If exposed to dust or fume, wear dust-tight goggles (meeting the requirements of AS/NZS 1337).

Skin protection:

Hand protection: If risk of skin contact, alkaline resistant gloves (e.g. Butyl, Natural Rubber Latex with small amount of Polychloroprene Latex, Polychloroprene, Nitrile, PolyVinyl Chloride or PVC, Polyvinyl Alcohol or PVAL gloves complying with AS 2161) are recommended. However, due to variations in glove construction and local conditions, the user should make a final assessment. Gloves should be removed and replaced immediately if there is any indication of degradation. Rinse and remove gloves immediately after use. Wash hands with soap and water. Barrier cream applied before work may make it easier to clean the skin after exposure, but does not prevent absorption through the skin.

Clothing: Suitable protective clothing complying with AS/NZS 4501 and suitable chemical resistant footwear complying with AS/NZS 2210 are recommended.

Respiratory protective equipment: No special precautions are envisaged to be required. However, if the product is spilled in case of inadequate ventilation or if exposure standards are exceeded then use a full-face air purifying respirator (with Class A filter for organic vapours boiling above 65°C) meeting the requirements of AS/NZS 1715 and AS/NZS 1716.

SECTION 9 – PHYSICAL AND CHEMICAL PROPERTIES

Physical State:	Liquid.
Appearance:	Low viscosity clear liquid
Odour:	Almost odourless.
Odour Threshold:	Not available.
pH:	Ca. 11.4.
Melting Point/ Freezing Point:	Not available.
Initial Boiling Point/ Boiling Range:	> 100°C @ 760 mm Hg.
Flashpoint:	Not applicable.
Evaporation Rate:	Not available.
Flammability (solid, gas):	Not applicable.
Upper/Lower Flammability or Explosive Limits:	Not applicable.
Vapour Pressure:	Not available.
Vapour Density:	Not available.
Relative Density:	Ca. 1.13 @ 20°C.
Solubility:	Fully miscible in water.
Partition coefficient: n-octanol/water:	Not available.
Auto-ignition Temperature:	Product is not self igniting.
Decomposition Temperature:	Not applicable.
Viscosity:	Low.



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SECTION 10 – STABILITY AND REACTIVITY

Reactivity:	No reactivity hazards are known for the material.
Chemical Stability:	Stable at normal temperatures and pressure.
Thermal Decomposition:	No decomposition if used according to specifications.
Dangerous Reactions:	Strong exothermic reaction with acids. Reacts with light alloys to form hydrogen.
Conditions to Avoid:	Avoid contact with incompatible materials.
Incompatible Materials:	Acids, light alloys.
Hazardous Decomposition Products:	None anticipated under normal or recommended handling, storage, and use conditions. If this product is subject to combustion in a general fire it will undergo hazardous decomposition that will yield the formation and release of hazardous substances including but not limited to Carbon monoxide (CO), Carbon dioxide (CO ₂), and other possibly toxic gases and vapours.

SECTION 11 – TOXICOLOGICAL INFORMATION

Health Effects:	
General:	Alkaline product.
Acute Toxicity Data (Oral):	No data for product. On basis of ingredients, LD ₅₀ (Oral, rat) Acute Toxicity for product calculated at > 5000 mg/kg.
Acute Toxicity Data (Dermal):	No data for product. On basis of ingredients, LD ₅₀ (Dermal, rat) Acute Toxicity for product calculated at > 5000 mg/kg.
Acute Toxicity Data (Inhalation):	No data for product.
Skin corrosion/irritation:	Product is classified as Skin corrosion/irritation, Category 2, Causes skin irritation.
Serious eye damage/irritation:	Product is classified as Serious eye damage/irritation, Category 1, Causes serious eye damage.
Respiratory or skin sensitisation:	No sensitising effects known.
Germ cell mutagenicity:	No data for product.
Carcinogenicity:	No data for product.
Reproductive Toxicity:	No data for product.
Specific Target Organ Toxicity (STOT) – single exposure:	No data for product.
Specific Target Organ Toxicity (STOT) – repeated exposure:	No data for product.
Aspiration Hazard:	No data for product.
Chronic Toxicity Data:	No data for product.
Information on Possible Routes of Exposure:	Inhalation is the primary route of exposure although absorption may occur through skin contact or following accidental ingestion.
Ingestion (Swallowing):	Not to be ingested. Ingestion of product may be harmful and cause upset stomach.
Eye Contact:	Product contact with eye may cause serious eye damage.
Skin Contact:	Product contact with skin may cause skin irritation, swelling, or redness. It is not expected to cause an allergic skin reaction.
Inhalation:	Intentional exposure to product vapours is not expected to cause respiratory irritation.
Other Health Effects:	Not applicable.



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SECTION 12 – ECOLOGICAL INFORMATION

Ecotoxicity:	This product is not classified as Hazardous to the aquatic environment (according to GHS).
Fish Toxicity:	No data for product.
Algae Toxicity:	No data for product.
Invertebrates Toxicity:	No data for product.
Toxicity to Microorganisms:	No data for product.
OECD Biological Degradation:	No data for product.
Persistence & Degradability:	Readily eliminable from water. Inorganic product; biotic degradation not applicable.
Behaviour in Sewage Processing Plants:	The product is an alkaline solution. Neutralisation is normally necessary before waste water is discharged into sewage treatment plants.
Bioaccumulative potential:	No data available for product, on basis of ingredients not expected to be bioaccumulative.
Mobility in Soil:	No data for product. Accidental spillage may lead to penetration in the soil and groundwater. However, there is no evidence that this would cause significant adverse ecological effects. Product is fully miscible with water.
Other Adverse Effects:	No data for product.
General:	DO NOT DISCHARGE INTO DRAINS, WATERWAYS, SEWER OR ENVIRONMENT. Product is fully miscible with water. Do not allow undiluted product or large quantities of it to reach ground water, water course or sewage system. Inform local authorities if this occurs.

SECTION 13 – DISPOSAL CONSIDERATIONS

Disposal methods:	
Product:	Recommended that it can be disposed of with rubble after solidification following consultation with the waste disposal facility operator according to State, Territory and/or Local government regulations, pertinent authorities and adhering to the necessary technical regulations.
Individual Protection Measures:	Refer to Individual Protection Measures Including Personal Protective Equipment (PPE) in Section 8: EXPOSURE CONTROLS AND PERSONAL PROTECTION.
Uncleaned Packaging:	Recommended to be disposed of according to official regulations. Recommended cleansing agent is water, if necessary with cleansing agents.
Behaviour in Sewage Processing Plants:	The product is an alkaline solution. Neutralisation is normally necessary before waste water is discharged into sewage treatment plants.



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SECTION 14 – TRANSPORT INFORMATION

Road & Rail Transport:	This product is not classified as DANGEROUS GOODS according to the Australian Code for the Transport of Dangerous Goods by Road and Rail, and the Land Transport Rule: Dangerous Goods 2005 (New Zealand).
UN Number:	Not applicable.
UN Proper Shipping Name or Technical Name:	Not applicable.
ADG Class:	Not applicable.
Packing Group:	Not applicable.
HAZCHEM Code:	Not applicable.
AERGB:	Not applicable.
IERG:	Not applicable.
Marine Transport:	This material is not classified as DANGEROUS GOODS and is not classified as a MARINE POLLUTANT by the criteria of the International Maritime Dangerous Goods Code (IMDG Code) for transport by sea.
UN Number:	Not applicable.
UN Proper Shipping Name or Technical Name:	Not applicable.
IMDG Class:	Not applicable.
Packing Group:	Not applicable.
Air Transport:	This material is not classified as DANGEROUS GOODS , by the criteria of the International Air Transport Association (IATA) Dangerous Goods Regulations for transport by air.
UN Number:	Not applicable.
UN Proper Shipping Name or Technical Name:	Not applicable.
IATA Class:	Not applicable.
Packing Group:	Not applicable.
Class Label:	Not applicable.

SECTION 15 – REGULATORY INFORMATION

Australian Standards:	AS/NZS 1337.1:2010: Personal eye protection - Eye and face protectors for occupational applications. AS/NZS 1715:2009: Selection, use and maintenance of respiratory protective equipment. AS/NZS 1716:2012: Respiratory protective devices. AS 1940:2017: The storage and handling of flammable and combustible liquids. AS/NZS 2161.1:2000: Occupational protective gloves: Selection, use and maintenance. AS/NZS 2161.2:2005: Occupational protective gloves: General requirements. AS/NZS 2161.10.1:2005: Occupational protective gloves: Protective gloves against chemicals and micro-organisms — Terminology and performance requirements. AS/NZS 2161.10.2:2005: Occupational protective gloves: Protective gloves against chemicals and micro-organisms—Determination of resistance to penetration.
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SECTION 15 – REGULATORY INFORMATION (CONTINUED)

	<p>AS/NZS 2161.10.3:2005: Occupational protective gloves: Protective gloves against chemicals and micro-organisms—Determination of resistance to permeation by chemicals.</p> <p>AS/NZS 2210.1:2010: Safety, protective and occupational footwear - Guide to selection, care and use.</p> <p>AS/NZS 2210.2:2009: Occupational protective footwear - Test methods (ISO 20344:2004, MOD).</p> <p>AS/NZS 2210.4:2009: Occupational protective footwear - Specification for protective footwear (ISO 20346:2004, MOD).</p> <p>AS/NZS 4501.1:2008: Occupational protective clothing - Guidelines on the selection, use, care and maintenance of protective clothing.</p> <p>AS/NZS 4501.2:2006: Occupational protective clothing - General requirements.</p>
SUSMP:	No Poisons Schedule number allocated.
HSNO:	This product is classified as HAZARDOUS according to the New Zealand Hazardous Substances (Hazard Classification) Notice 2020 with EPA (formerly ERMA) Register Approval Number HSR002670 and Surface Coatings and Colourants (Subsidiary Hazard) Group Standard 2020.
NZIoC:	One of the ingredients is not present on NZIoC.

SECTION 16 – OTHER INFORMATION

Acronyms and Comments:

ACGIH:	American Conference of Industrial Hygienists.
ADG Code:	Australian Code for the Transport of Dangerous Goods by Road and Rail.
AERGB:	Australian Emergency Response Guide Book (2018).
AICIS:	Australian Industrial Chemicals Introduction Scheme which replaced National Industrial Chemicals Notification and Assessment Scheme (NICNAS).
AS:	Standards issued by Standards Australia, GPO Box 476, Sydney NSW 2001, Australia.
AS/NZ:	Standards issued by Standards Australia, GPO Box 476, Sydney NSW 2001, Australia and Standards New Zealand, Private Bag 2439 Wellington 6140, New Zealand.
ATE:	Acute Toxicity Estimate according to the Globally Harmonized System of Classification and Labelling of Chemicals (GHS).
BEI:	Biological Exposure Indices published by the Conference of Governmental Industrial Hygienists (ACGIH), 1330 Kemper Meadow Drive, Cincinnati, OH 45240-4148, USA.
CAS Number:	Chemical Abstracts Service Registry Number.
EPA:	The Environmental Protection Authority (EPA) in New Zealand is responsible for national environmental regulatory functions currently spread across Government. It processes matters of national significance under the Resource Management Act, undertakes all functions under the HSNO Act, undertakes permitting and exemption functions under the Ozone Layer Protection Act, permitting functions relating to the import and export of hazardous waste, and advises on the development of National Environmental Standards.
ERMA:	Environmental Risk Management Authority in New Zealand, now replaced by EPA.



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SECTION 16 – OTHER INFORMATION (CONTINUED)

GHS:	Globally Harmonized System of Classification and Labelling of Chemicals, a globally harmonized system for classification and labelling of chemicals proposed by the United Nations.
HAZCHEM:	An emergency action code of numbers and letters which gives information to emergency services.
HSNO	The Hazardous Substances and New Organisms Act in New Zealand is administered by the EPA, and covers all Hazardous Substances and New Organisms.
IARC:	International Agency for Research on Cancer.
IERG:	Dangerous Goods Initial Emergency Response Guide (SAA/SNZ HB 76:2010 Standards New Zealand Handbook).
IMDG:	International Maritime Dangerous Goods Code for transport by sea.
LC/LD:	The median lethal dose, LD ₅₀ (abbreviation for "lethal dose, 50%"), LC ₅₀ (lethal concentration, 50%) is the dose required to kill half the members of a tested population after a specified test duration. LD ₅₀ figures are frequently used as a general indicator of a substance's acute toxicity.
NOEC:	No-Observed-Effect-Concentration. The highest concentration of toxicant to which organisms are exposed in a full life-cycle or partial life-cycle (short-term) test, that causes no observable adverse effects on the test organisms (i.e., the highest concentration of toxicant in which the values for the observed responses are not statistically significantly different from the controls).
NOEL:	No-Observable-Effect-Level. It is the greatest concentration or amount of a substance, found by experiment or observation, that causes no alterations of morphology, functional capacity, growth, development, or life span of target organisms distinguishable from those observed in normal (control) organisms of the same species and strain under the same defined conditions of exposure.
NTP:	National Toxicology Program (USA Department of Health and Human Services).
NZIoC:	The New Zealand Inventory of Chemicals is a database of all the hazardous chemical components of products approved under group standards. It also includes a number of non-hazardous chemical components.
NZS:	New Zealand Standards which are available from Standards New Zealand, Private Bag 2439, Wellington 6140 New Zealand.
OSHA:	Occupational Safety and Health Administration (USA).
PPE:	Personal Protective Equipment.
SAA:	Australian Standards which are available from SAI Global Limited, Information Services, GPO Box 5420, Sydney NSW 2001.
Safe Work Australia:	Safe Work Australia was formerly the Australian Safety and Compensation Council, which included the National Occupational Health and Safety Commission (NOHSC).
SDS:	Safety Data Sheet.



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STEL:	Exposure standard - short term exposure limit, a 15-minute TWA exposure which should not be exceeded at any time during a working day even if the eight-hour TWA average is within the TWA exposure standard. Exposures at the STEL should not be longer than 15 minutes and should not be repeated more than four times per day. There should be at least 60 minutes between successive exposures at the STEL. According to current knowledge this concentration should neither impair the health of, nor cause undue discomfort to, nearly all workers.
SUSMP:	Standard for the Uniform Scheduling of Medicines and Poisons.
TDL_o:	Total Dose Low means the smallest deadly dose, which caused a toxic or other harmful effect after application on humans or animal.
TWA:	Exposure standard - time-weighted average, the average airborne concentration of a particular substance when calculated over a normal eight hour working day, for a five-day working week.
UK HSE:	United Kingdom Health and Safety Executive.
UN Number:	United Nations Number.
WHS:	Model work health and safety legislation introduced by the Australian government which consists of an integrated package of a model Work Health and Safety (WHS) Act, supported by model Work Health and Safety (WHS) Regulations, model Codes of Practice and a National Compliance and Enforcement Policy. The WHS Regulations implement a new system of chemical hazard classification, labelling and safety data sheet requirements based on the GHS.
Issue Date:	20 July 2021.
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Note:	Safety Data Sheets are updated frequently. Please ensure that you have a current copy.
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