

This safety data sheet was created pursuant to the requirements of:
GHS: The Globally Harmonized System of Classification and Labeling of Chemicals

TETRA GAPS
Revision Number 1.01

Revision date 11-Jul-2021
Supersedes Date: 07-Apr-2019

1. Identification

Product identifier

Product Name TETRA GAPS
Pure substance/mixture Mixture

Details of the supplier of the safety data sheet

Responsible Party

Bostik New Zealand Limited
19 Eastern Hutt Road Wingate,
Lower Hutt, New Zealand
Tel: 04-567 5119
Fax: 04-567 5412

Manufacturer

Bostik New Zealand Limited
19 Eastern Hutt Road Wingate,
Lower Hutt, New Zealand
Tel: 04-567 5119
Fax: 04-567 5412

E-mail address SDS.AP@Bostik.com

Emergency telephone number

Emergency Telephone 24 Hr: 0800 243 622
+64 4 917 9888
Poison Centre : 0800 764 766

Recommended use of the chemical and restrictions on use

Recommended use Filler
Restrictions on use No information available

2. Hazard(s) identification

Classification of the substance or mixture

Not a hazardous substance or mixture according to the Globally Harmonized System (GHS) (6.7B) (9.1D) (9.1B)

Label elements

Not a hazardous substance or mixture according to the Globally Harmonized System (GHS)

Prevention

P264 - Wash hands thoroughly after handling
P281 - Use personal protective equipment as required

Skin

P303 + P361 + P353 - IF ON SKIN (or hair): Remove/Take off immediately all contaminated clothing. Rinse skin with water/shower

Eyes

P305 + P351 + P338 - IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing

Storage

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

Disposal

P501 - Dispose of contents/containers in accordance with local regulations

Other hazards

Not applicable

3. Composition/information on ingredients

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Substance

Not applicable.

Mixture

Not a hazardous substance or mixture according to the Globally Harmonized System (GHS).

Chemical name	CAS No.	Weight-%
Limestone	1317-65-3	40 - <80
Nuplex Industries_not hazardous ingredients	--	20- <40
Titanium dioxide	13463-67-7	1 - <5
Water	7732-18-5	1 - <3
Cellulose, 2-hydroxyethyl ether	9004-62-0	0.1- <1
2,2,4-Trimethylpentane-1,3-diol monoisobutyrate	25265-77-4	0.1- <1
Octylphenol ethoxylate	9036-19-5	0.1- <1
Sodium polyacrylate	9003-04-7	0.1- <1
Silica gel, precipitated, crystalline free	112926-00-8	0.1- <1
Aluminum hydroxide (Al(OH) ₃)	21645-51-2	0.1- <1
THOR unknown	--	0.1- <1
Polypropylene glycol	25322-69-4	0.01 - < 0.1
Tetrapotassium pyrophosphate	7320-34-5	0.01 - < 0.1
reaction mass of 5-chloro-2-methyl-2H-isothiazol-3-one and 2-methyl-2H-isothiazol-3-one (3:1) [C(M)IT/MIT]	55965-84-9	0.01 - < 0.1
Polyethylene glycol	25322-68-3	0.01 - < 0.1
Zinc pyrithione	13463-41-7	<0.01
2-methyl-2H-isothiazol-3-one [MIT]	2682-20-4	<0.01
1,2-benzisothiazol-3(2H)-one [BIT]	2634-33-5	<0.01
THOR	--	<0.01
Sodium nitrate	7631-99-4	<0.01
Formaldehyde	50-00-0	<0.01

*** Any remaining ingredients are not hazardous

4. First-aid measures

Description of necessary first aid measures

Inhalation	Remove to fresh air.
Eye contact	Rinse thoroughly with plenty of water for at least 15 minutes, lifting lower and upper eyelids. Consult a physician.
Skin contact	Wash skin with soap and water.
Ingestion	Clean mouth with water and drink afterwards plenty of water.

Most important symptoms/effects, acute and delayed

Symptoms No information available.

For emergency responders

Self-protection of the first aider No information available.

Note to physicians

Treat symptomatically.

5. Fire-fighting measures

Extinguishing media

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Suitable extinguishing media Use extinguishing measures that are appropriate to local circumstances and the surrounding environment.

Unsuitable extinguishing media No information available.

Specific hazards arising from the chemical No information available.

Hazardous combustion products Carbon dioxide (CO₂).

Special protective actions for fire-fighters

Firefighters should wear self-contained breathing apparatus and full firefighting turnout gear. Use personal protection equipment.

6. Accidental release measures

Personal precautions, protective equipment and emergency procedures

Personal precautions Ensure adequate ventilation.
For emergency responders Use personal protection recommended in Section 8.

Environmental precautions See Section 12 for additional Ecological Information.

Methods and material for containment and cleaning up

Prevent further leakage or spillage if safe to do so.
Pick up and transfer to properly labeled containers.

Prevention of secondary hazards Clean contaminated objects and areas thoroughly observing environmental regulations.

7. Handling and storage

Precautions for safe handling

Handle in accordance with good industrial hygiene and safety practice.
See Section 8 for information on appropriate personal protective equipment

Conditions for safe storage, including any incompatibilities

Protect from moisture.

8. Exposure controls/personal protection

Occupational exposure limits

Chemical name	New Zealand	Australia	European Union
Limestone 1317-65-3	TWA: 10 mg/m ³	-	-
Titanium dioxide 13463-67-7	TWA: 10 mg/m ³	10 mg/m ³ TWA	-
Silica gel, precipitated, crystalline free 112926-00-8	TWA: 10 mg/m ³	10 mg/m ³ TWA	-
Formaldehyde 50-00-0	TWA: 0.3 ppm STEL: 0.6 ppm	1 ppm TWA 1.2 mg/m ³ TWA 2 ppm STEL 2.5 mg/m ³ STEL	TWA: 0.37 mg/m ³ TWA: 0.3 ppm *

Chemical name	ACGIH TLV	NIOSH	OSHA PEL
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Limestone 1317-65-3	-	TWA: 10 mg/m ³ total dust TWA: 5 mg/m ³ respirable dust	TWA: 15 mg/m ³ total dust TWA: 5 mg/m ³ respirable fraction (vacated) TWA: 15 mg/m ³ total dust (vacated) TWA: 5 mg/m ³ respirable fraction
Titanium dioxide 13463-67-7	TWA: 10 mg/m ³	IDLH: 5000 mg/m ³ TWA: 2.4 mg/m ³ CIB 63 fine TWA: 0.3 mg/m ³ CIB 63 ultrafine, including engineered nanoscale	TWA: 15 mg/m ³ total dust (vacated) TWA: 10 mg/m ³ total dust
Silica gel, precipitated, crystalline free 112926-00-8	-	-	(vacated) TWA: 6 mg/m ³ TWA: 20 mppcf : (80)/(% SiO ₂) mg/m ³ TWA
Aluminum hydroxide (Al(OH) ₃) 21645-51-2	TWA: 1 mg/m ³ respirable particulate matter	-	-
Formaldehyde 50-00-0	dermal sensitizer;respiratory sensitizer STEL: 0.3 ppm TWA: 0.1 ppm	IDLH: 20 ppm Ceiling: 0.1 ppm 15 min TWA: 0.016 ppm	TWA: 0.75 ppm (vacated) TWA: 3 ppm unless specified in 1910.1048 (vacated) STEL: 10 ppm 30 min unless specified in 1910.1048 (vacated) Ceiling: 5 ppm unless specified in 1910.1048 STEL: 2 ppm see 29 CFR 1910.1048

Derived No Effect Level (DNEL) No information available

Predicted No Effect Concentration (PNEC) No information available

Engineering controls

Use with local exhaust ventilation. Ensure adequate ventilation, especially in confined areas. Use explosion-proof ventilating equipment.

Individual protection measures, such as personal protective equipment

Eye/face protection	Wear safety glasses with side shields (or goggles). Avoid contact with eyes.
Hand protection	Wear suitable gloves.
Skin and body protection	Wear protective gloves and protective clothing. Avoid contact with skin, eyes or clothing.
Respiratory protection	During spraying wear suitable respiratory equipment.

Environmental exposure controls Do not allow into any sewer, on the ground or into any body of water.

9. Physical and chemical properties

Information on basic physical and chemical properties

Appearance	Paste Thixotropic
Color	Off-white
Physical state	Paste / Gel Liquid
Odor	Sweet Acrylic Slight
Odor threshold	No information available

<u>Property</u>	<u>Values</u>	<u>Remarks • Method</u>
pH	7 - 8	
pH (as aqueous solution)	No data available	
Melting point / freezing point	No data available	
Initial boiling point and boiling range	100 °C	
Flash point	No data available	
Evaporation rate	No data available	
Flammability	No data available	
Flammability Limit in Air		Not applicable
Upper flammability or explosive	No data available	

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limits
Lower flammability or explosive limits No data available
Vapor pressure No data available
Relative vapor density No data available
Relative density No data available
Water solubility Miscible in water
Solubility(ies) No data available
Partition coefficient No data available
Autoignition temperature No data available
Decomposition temperature No data available
Kinematic viscosity No data available
Dynamic viscosity No data available

Additional information

Oxidizing properties No information available
Solid content (%) approx 80
Density 1.55 g/cm³

10. Stability and reactivity

Stability Stable under normal conditions.

Sensitivity to mechanical impact None.

Sensitivity to static discharge None.

Possibility of hazardous reactions None under normal processing.

Conditions to avoid Protect from moisture.

Incompatible materials None known based on information supplied.

Hazardous decomposition products Carbon monoxide. Carbon dioxide (CO₂). Hydrocarbons.

11. Toxicological information

Inhalation Based on available data, the classification criteria are not met.

Eye contact Based on available data, the classification criteria are not met.

Skin contact Based on available data, the classification criteria are not met.

Ingestion Based on available data, the classification criteria are not met.

Acute Toxicity

Numerical measures of toxicity

Component Information

Chemical name	Oral LD50	Dermal LD50	Inhalation LC50
Limestone	>5000 mg/kg (Rattus)	-	-
Titanium dioxide	>10000 mg/kg (Rattus)	LD50 > 10000 mg/Kg	>5 mg/l
Water	>90 mL/kg (Rattus)	-	-
Cellulose, 2-hydroxyethyl ether	DL50 >2000 mg/Kg	-	-

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2,2,4-Trimethylpentane-1,3-diol monoisobutyrate	=6500 mg/kg (Rattus)	> 15200 mg/kg (Rattus)	>3.55 mg/L (Rattus) 6 h
Octylphenol ethoxylate	=1700 mg/kg (Rattus)	-	-
Sodium polyacrylate	>40 g/kg (Rattus)	-	-
Silica gel, precipitated, crystalline free	LD50 >10000 mg/Kg (Rattus)	>5000 mg/kg (Oryctolagus cuniculus)	>2.2 mg/L (Rattus) 1 h
Aluminum hydroxide (Al(OH) ₃)	>5000 mg/kg (Rattus)	-	LC50 (4h) >2.3m/L air (Rattus)
Polypropylene glycol	LD50 >5000 mg/kg (Rattus)	LD50 >10000 mg/Kg (Rattus)	-
Tetrapotassium pyrophosphate	-	> 4640 mg/kg (Oryctolagus cuniculus)	-
reaction mass of 5-chloro-2-methyl-2H-isothiazol-3-one and 2-methyl-2H-isothiazol-3-one (3:1) [C(M)IT/MIT]	=53 mg/kg (Rattus)	LD50 = 87.12 mg/kg (Oryctolagus cuniculus)	-
Polyethylene glycol	=22 g/kg (Rattus) = 28 g/kg (Rattus)	> 20 g/kg (Oryctolagus cuniculus)	-
Zinc pyrithione	=177 mg/kg (Rattus)	>2000 mg/kg (Oryctolagus cuniculus) (EPA OPP 81-2)	4h = 1.03 mg/L (Rattus) 4 h
2-methyl-2H-isothiazol-3-one [MIT]	LD50 =285 mg/Kg (Rattus)	LD50 >242 mg/Kg (Rattus)	=0.11 mg/L (Rattus) 4 h
1,2-benzisothiazol-3(2H)-one [BIT]	=670 mg/kg (Rattus)	LD50 > 2000 mg/kg (Rattus)	-
Sodium nitrate	=3430 mg/kg (Rattus)	-	-
Formaldehyde	=100 mg/kg (Rattus)	= 270 mg/kg (Oryctolagus cuniculus)	=0.578 mg/L (Rattus) 4 h

Skin corrosion/irritation Based on available data, the classification criteria are not met.

Component Information					
Titanium dioxide (13463-67-7)					
Method	Species	Exposure route	Effective dose	Exposure time	Results
OECD Test No. 404: Acute Dermal Irritation/Corrosion					Non-irritant

Serious eye damage/eye irritation Based on available data, the classification criteria are not met.

Respiratory or skin sensitization Based on available data, the classification criteria are not met.

Component Information			
2-methyl-2H-isothiazol-3-one [MIT] (2682-20-4)			
Method	Species	Exposure route	Results
OECD Test No. 406: Skin Sensitization	Guinea pig	Dermal	Sensitizing

Germ cell mutagenicity Based on available data, the classification criteria are not met.

Carcinogenicity

The table below indicates whether each agency has listed any ingredient as a carcinogen.

Chemical name	China	IARC
Titanium dioxide	Possibly carcinogenic to humans	Group 2B
Silica gel, precipitated, crystalline free	-	Group 3

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Sodium nitrate	-	Group 2A
Formaldehyde	Carcinogenic to humans	Group 1

Legend

IARC (International Agency for Research on Cancer)
Group 2B - Possibly Carcinogenic to Humans

Reproductive toxicity Based on available data, the classification criteria are not met.

Specific target organ toxicity (single exposure) Based on available data, the classification criteria are not met.

Specific target organ toxicity (repeated exposure) Based on available data, the classification criteria are not met.

Target organ effects Eyes. Respiratory system. Skin. Lungs.

Aspiration hazard Based on available data, the classification criteria are not met.

12. Ecological information

Ecotoxicity

Chemical name	Algae/aquatic plants	Fish	Crustacea
Limestone	CE50 (72h) >200mg/L Algae (Desmodesmus subspicatus)	CL50 (96h) >10000mg/L (Oncorhynchus mykiss)	CE50 (48h) >1000 mg/L Daphnia Magna
Titanium dioxide	LC50 (96h) >10000 mg/l (Cyprinodon variegatus) OECD 203	-	-
Cellulose, 2-hydroxyethyl ether	-	CL50 (96h) >500 mg/L (Danio rerio)	-
2,2,4-Trimethylpentane-1,3-diol monoisobutyrate	EC50: =18.4mg/L (72h, Pseudokirchneriella subcapitata)	LC50: =30mg/L (96h, Pimephales promelas)	EC50 (48hr)=164.7 mg/L (daphnia magna)
Octylphenol ethoxylate	-	LC50, Pimephales promelas (fathead minnow), 96 Hour, > 60 mg/l	-
Silica gel, precipitated, crystalline free	-	CL50 (96h) >=10000 mg/l (Brachydanio rerio)	CE50 (24h) >=1000 mg/L (Daphnia magna)
Aluminum hydroxide (Al(OH) ₃)	EC50 >100 mg/l Algae (Selenastrum capricornutum)	LC50 >100 mg/L (Salmo trutta)	EC50 >100 mg/L Invertebrates (Daphnia magna)
Tetrapotassium pyrophosphate	-	LC50: >100mg/L (96h, Oncorhynchus mykiss)	EC50: >100mg/L (48h, Daphnia magna)
reaction mass of 5-chloro-2-methyl-2H-isothiazol-3-one and 2-methyl-2H-isothiazol-3-one (3:1) [C(M)IT/MIT]	EC50 (72h) =0.048 mg/L (Pseudokirchneriella subcapitata) (OECD 201)	EC50 (96h) = 0.22 mg/L (Oncorhynchus mykiss) (OECD 211)	EC50 (48h) =0.1 mg/L (Daphnia magna) (OECD 202)
Polyethylene glycol	-	LC50 (96h) >100 mg/L (Poecilia reticulata) Static	LC50 (48h) >350<=1000 mg/L (Daphnia magna) Static
Zinc pyrithione	EC50 (72hr) 0.0013 mg/l (Skeletonema costatum) (ISO 10253) 0.051 mg/l (Pseudokirchneriella subcapitata) (OECD 201)	EC50(96hr) 0.0104 mg/l (Brachydanio rerio) (OECD 203)	EC50 (48h) =0.038 mg/L Crustaceans (Ilyocypris dentifera)
2-methyl-2H-isothiazol-3-one [MIT]	EC50 (72hr) 0.157 mg/l (Pseudokirchneriella subcapitata) (OECD 201)	EC50 (96hr) 5.71 mg/l (Oncorhynchus mykiss) OECD 203	EC50 (48hr) 1.68 mg/l (Daphnia) (OECD 202)

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1,2-benzisothiazol-3(2H)-one [BIT]	EC50 3Hr 13mg/l (activated sludge) (OECD 209)	LC50 (96hr) 2.15 mg/l Cyprinodon variegatus EPA 540/9-85-006	EC50(48hr) 2.94 mg/l (Daphnia Magna) OECD 202
Sodium nitrate	EC50 (10d) >1700 mg/l	LC50: =2000mg/L (96h, Lepomis macrochirus) LC50: 994.4 - 1107mg/L (96h, Oncorhynchus mykiss)	EC50 (24hr) 8600 mg/l (daphnia Magna) OECD 202
Formaldehyde	-	LC50: =41mg/L (96h, Brachydanio rerio) LC50: =1510?g/L (96h, Lepomis macrochirus) LC50: 0.032 - 0.226mL/L (96h, Oncorhynchus mykiss) LC50: 100 - 136mg/L (96h, Oncorhynchus mykiss) LC50: 22.6 - 25.7mg/L (96h, Pimephales promelas) LC50: 23.2 - 29.7mg/L (96h)	LC50: =2mg/L (48h, Daphnia magna) EC50: 11.3 - 18mg/L (48h, Daphnia magna)

Persistence and degradability No information available.

Bioaccumulative potential There is no data for this product.

Chemical name	Partition coefficient
Limestone	0.9
2,2,4-Trimethylpentane-1,3-diol monoisobutyrate	3.47
Zinc pyrithione	1.21
2-methyl-2H-isothiazol-3-one [MIT]	-0.32
1,2-benzisothiazol-3(2H)-one [BIT]	0.7
Sodium nitrate	-3.8
Formaldehyde	0.35

Chemical name	PBT and vPvB assessment
Titanium dioxide 13463-67-7	The substance is not PBT / vPvB PBT assessment does not apply
2,2,4-Trimethylpentane-1,3-diol monoisobutyrate 25265-77-4	The substance is not PBT / vPvB
Aluminum hydroxide (Al(OH) ₃) 21645-51-2	The substance is not PBT / vPvB PBT assessment does not apply
Polypropylene glycol 25322-69-4	The substance is not PBT / vPvB
Tetrapotassium pyrophosphate 7320-34-5	PBT assessment does not apply
reaction mass of 5-chloro-2-methyl-2H-isothiazol-3-one and 2-methyl-2H-isothiazol-3-one (3:1) [C(M)IT/MIT] 55965-84-9	The substance is not PBT / vPvB
Polyethylene glycol 25322-68-3	The substance is not PBT / vPvB
Zinc pyrithione 13463-41-7	The substance is not PBT / vPvB
2-methyl-2H-isothiazol-3-one [MIT] 2682-20-4	The substance is not PBT / vPvB
1,2-benzisothiazol-3(2H)-one [BIT] 2634-33-5	The substance is not PBT / vPvB
Sodium nitrate 7631-99-4	The substance is not PBT / vPvB PBT assessment does not apply
Formaldehyde 50-00-0	The substance is not PBT / vPvB PBT assessment does not apply

Mobility in soil No information available.

13. Disposal considerations

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Waste chemicals

Waste from residues/unused products Dispose of in accordance with local regulations Dispose of waste in accordance with environmental legislation

Contaminated packaging Do not reuse empty containers

14. Transport information

IMDG Not regulated

IATA Not regulated

ADR Not regulated

Special precautions for user

Please refer to the applicable dangerous goods regulations for additional information

15. Regulatory information

National regulations

ERMA Group HSR002670

International Regulations

The Montreal Protocol on Substances that Deplete the Ozone Layer Not applicable

The Stockholm Convention on Persistent Organic Pollutants Not applicable

The Rotterdam Convention Not applicable

16. Other information

Abbreviations and acronyms

Legend Section 8: EXPOSURE CONTROLS/PERSONAL PROTECTION

TWA	TWA (time-weighted average)
STEL	STEL (Short Term Exposure Limit)
Ceiling	Ceiling Limit Value
*	Skin designation
SVHC	Substance(s) of Very High Concern
PBT	Persistent, Bioaccumulative, and Toxic (PBT) Chemicals
vPvB	Very Persistent and very Bioaccumulative (vPvB) Chemicals
STOT RE	Specific target organ toxicity - Repeated exposure
STOT SE	Specific target organ toxicity - Single exposure

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Revision note The symbol (*) in the margin of this SDS indicates that this line has been revised.

Key literature references and sources for data used to compile the SDS

New Zealand's Chemical Classification and Information Database (CCID)
World Health Organization

Disclaimer

The information provided in this Safety Data Sheet is correct to the best of our knowledge, information and belief at the date of its publication. The information given is designed only as a guidance for safe handling, use, processing,

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storage, transportation, disposal and release and is not to be considered a warranty or quality specification. The information relates only to the specific material designated and may not be valid for such material used in combination with any other materials or in any process, unless specified in the text

End of Safety Data Sheet