

ADDENDUM TO SAFETY DATA SHEET

This addendum to the SDS provides information specifically for the product according to New Zealand's HSNO Code of Practice for Preparation of Safety Data Sheets This addendum should not be detached but read in conjunction with the SDS that follows. It remains integral to the attached SDS.

IDENTIFICATION			
Product Name	APF Pools		
Other Names / Code			
SDS Date of Issue	7 th June 2019	Addendum Date	7 July 2021
Recommended Use	Multi-spectrum flocculant and coagulant		

LOCAL CONTACT DETAILS	
Company	The Storage and Distribution Centre NZ
Address	3 Goodman Place, Penrose, Auckland, 1026, NEW ZEALAND
Telephone	+64 9 622 4220
EMERGENCY telephone	DIAL 111. For SPECIALIST advice in an EMERGENCY ONLY phone CHEMCALL – FREE CALL ALL HOURS: 0800 243 622

HEALTH & SAFETY at WORK REGULATIONS	
Hazardous Nature	This material is NOT hazardous according to the Hazardous Substance & New Organism Act HSNO Regulation.
HSNO hazard class and Category	n/a
Signal Word	n/a
Hazard Statements	n/a
Precautionary Statements	n/a
Approval no. or Group Standard	n/a

DANGEROUS GOODS INFORMATION			
This material is NOT a dangerous good for transport (IMDG 2018 Edition)			
DG Class	n/a	UN Number	n/a
Subsidiary Risk	n/a	Packing Group	n/a
Proper Shipping Name	n/a		
Limited Quantity	n/a		
HAZCHEM	n/a		

OTHER INFORMATION	
Poison Schedule (Aust)	This is NOT a POISON according to The Poison Standard (SUSMP)
Poisons Advice Number (NZ)	For advice call POSION INFORMATION CENTRE 0800 764 766
NZIoC	All ingredients are listed on the New Zealand Inventory of Chemicals.

APF Pools

SECTION 1: IDENTIFICATION OF THE SUBSTANCE/MIXTURE AND OF THE COMPANY/UNDERTAKING

1.1 Product identifier		
Product Name	APF Pools	
CAS No.	Mixture	
EINECS No.	Mixture	
1.2 Relevant identified uses of the substance or mixture and uses advised against		
Identified Use(s)	Multi-spectrum flocculant and coagulant	
Uses Advised Against	Anything other than the above.	
1.3 Details of the supplier of the safety data sheet		
Company Identification	Dryden Aqua Ltd Butlerfield Industrial Estate, Bonnyrigg, Edinburgh EH19 3JQ, GB	
Telephone	+44 (0) 18758 22222	
Fax	+44 (0) 18758 22229	
E-Mail (competent person)	andy@drydenaqua.com (Andrew Pooley)	
1.4 Emergency telephone number		
Emergency Phone No.	+44 (0) 18758 22222	Monday - Thursday 6:00am – 15:00pm Monday - Friday 6:00am – 12:00pm (GMT)
Languages spoken	English	

SECTION 2: HAZARDS IDENTIFICATION

2.1 Classification of the substance or mixture	
2.1.1 Regulation (EC) No. 1272/2008 (CLP)	Not classified as hazardous for supply/use.
2.2 Label elements	According to Regulation (EC) No. 1272/2008 (CLP).
Product Name	APF Pools
Hazard Pictogram(s)	None assigned
Signal Word(s)	None assigned
Hazard Statement(s)	None assigned
Precautionary Statement(s)	None assigned
Supplemental information	None known
2.3 Other hazards	None known

SECTION 3: COMPOSITION/INFORMATION ON INGREDIENTS

3.1 Substances	Not applicable
3.2 Mixtures	No component of this mixture is included above the relevant concentration levels detailed within section 3.2.1 of SDS regulation 2015/830.

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SECTION 4: FIRST AID MEASURES



4.1	Description of first aid measures Self-protection of the first aider	No action should be taken involving personal risk. Use personal protective equipment as required. Ensure adequate ventilation. Avoid breathing vapours. Avoid contact with skin and eyes.
	Inhalation	IF INHALED: Remove person to fresh air and keep comfortable for breathing. Get medical advice/attention if you feel unwell.
	Skin Contact	IF ON SKIN: Gently wash with plenty of soap and water. If irritation develops and persists, get medical attention.
	Eye Contact	IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. If eye irritation persists, get medical advice/attention.
	Ingestion	IF SWALLOWED: Rinse mouth. Give plenty of water to drink. Do NOT induce vomiting. Seek medical treatment.
4.2	Most important symptoms and effects, both acute and delayed	None known.
4.3	Indication of any immediate medical attention and special treatment needed	Treat symptomatically.

SECTION 5: FIRE-FIGHTING MEASURES

5.1	Extinguishing media Suitable Extinguishing Media Unsuitable extinguishing Media	As appropriate for surrounding fire. Water spray, foam, dry powder or CO ₂ . Do not use water jet. Direct water jet may spread the fire.
5.2	Special hazards arising from the substance or mixture	This product is an aqueous mixture which will not burn.
5.3	Advice for fire-fighters	Fire fighters should wear complete protective clothing including self-contained breathing apparatus, and Chemical protection suit. Keep containers cool by spraying with water if exposed to fire. If it is safe to do so, containers should be removed from fire area.

SECTION 6: ACCIDENTAL RELEASE MEASURES

6.1	Personal precautions, protective equipment and emergency procedures	No action should be taken involving personal risk. Wear appropriate personal protective equipment, avoid direct contact. Ensure adequate ventilation. Do not breathe dust/fume/gas/mist/vapours/spray. Remove contaminated clothing and wash all affected areas with plenty of water.
6.2	Environmental precautions	Do not allow to enter drains, sewers or watercourses.
6.3	Methods and material for containment and cleaning up	Large Spills: Stop the flow of material, if this is without risk. Dike the spilled material, where this is possible. Absorb in vermiculite, dry sand or earth and place into containers. Following product recovery, flush area with water. Small Spills: Wipe up with absorbent material (e.g. cloth, fleece). Clean surface thoroughly to remove residual contamination. Never return spills to original containers for re-use.
6.4	Reference to other sections	See Also Section: 8, 13.

SECTION 7: HANDLING AND STORAGE

7.1	Precautions for safe handling	When using do not eat or drink. Provide adequate ventilation when using the material and follow the principles of good occupational hygiene to control personal exposures.
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7.2	Conditions for safe storage, including any incompatibilities	Keep only in original packaging. Keep in a well ventilated place. Keep container closed. Avoid contact with acids and alkalies. Strong oxidising agents. This product may react with metals.
	Storage temperature	Store in a cool/low-temperature, well-ventilated (dry) place away from heat and ignition sources. Keep from direct sunlight.
	Incompatible materials	Stable at ambient temperatures.
7.3	Specific end use(s)	See Section: 1.2.

SECTION 8: EXPOSURE CONTROLS/PERSONAL PROTECTION

- 8.1 Control parameters
8.1.1 Occupational Exposure Limits

SUBSTANCE	CAS No.	LTEL (8 hr TWA ppm)	LTEL (8 hr TWA mg/m ³)	STEL (ppm)	STEL (mg/m ³)	Note
Titanium dioxide	13463-67-7	-	10	-	-	WEL total inhalable respirable
Aluminium salts, soluble	-	-	2	-	-	WEL

Source: WEL: Workplace Exposure Limit (UK HSE EH40)

8.1.2	Biological limit value	Not established.
8.1.3	PNECs and DNELs	Not applicable
8.2	Exposure controls	
8.2.1	Appropriate engineering controls	Provide adequate ventilation (typically 10 air changes per hour) when using the material and follow the principles of good occupational hygiene to control personal exposures. If exposure limits have not been established, maintain airborne levels to an acceptable level.
8.2.2	Individual protection measures, such as personal protective equipment (PPE)	Take care for general good hygiene and housekeeping. Personal protection equipment should be chosen according to the CEN standards and in discussion with the supplier of the personal protective equipment. Eye wash fountain is recommended. Launder contaminated clothing before reuse.
	Eye/face protection	Wear eye protection with side protection (EN166). Eyewash bottles should be available.
	Skin protection	Hand protection: Wear impervious gloves (EN374). Recommended: Neoprene
	Respiratory protection	In case of inadequate ventilation wear respiratory protection. Recommended: EN143 Type A-P2
	Thermal hazards	Not applicable.



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8.2.3 Environmental Exposure Controls

Avoid release to the environment. Do not allow to enter drains, sewers or watercourses.

SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES

9.1 Information on basic physical and chemical properties

Appearance	Blue Liquid
Odour	Odourless
Odour Threshold	Not available
3.0 – 4.0	8.0 - 11.0
Melting Point/Freezing Point	< -3 °C (< 26.6 °F)
Initial boiling point and boiling range	102 °C (215.6 °F)
Flash point	Not applicable
Evaporation Rate	Not applicable
Flammability (solid, gas)	Not applicable
Upper/lower flammability or explosive limits	Not applicable
Vapour pressure	Not applicable
Vapour density	Not available
Relative density	Not available
Solubility(ies)	Water: Miscible Other: Not Available
Partition coefficient: n-octanol/water	Not available
Auto-ignition temperature	Not available
Decomposition Temperature	Not available
Viscosity	60 - 100 cP @ 25°C
Explosive properties	Not explosive
Oxidising properties	Not oxidising

9.2 Other information

Density (g/cm ³)	1.10 - 1.30 g/cm ³
Percent volatile	85.2 % estimated
Specific gravity	1.05 – 1.25

SECTION 10: STABILITY AND REACTIVITY

10.1 Reactivity	Stable under normal conditions.
10.2 Chemical stability	Stable under normal conditions.
10.3 Possibility of hazardous reactions	Hazardous polymerisation will not occur.
10.4 Conditions to avoid	Avoid prolonged storage at elevated temperature. Keep from direct sunlight. Do not freeze. Keep away from incompatible materials.
10.5 Incompatible materials	Avoid contact with acids and alkalies. Strong oxidising agents.
10.6 Hazardous decomposition product(s)	This product may react with metals. None known.

SECTION 11: TOXICOLOGICAL INFORMATION

11.1 Information on toxicological effects

Acute toxicity - Ingestion	Mixture: Based upon the available data, the classification criteria are not met. Calculated acute toxicity estimate (ATE) >2,000 mg/kg.
Acute toxicity - Inhalation	Mixture: Based upon the available data, the classification criteria are not met. Calculated acute toxicity estimate (ATE) >2,000 mg/kg.
Acute toxicity - Skin Contact	Mixture: Based upon the available data, the classification criteria are not met. Calculated acute toxicity estimate (ATE) > 5 mg/l
Skin corrosion/irritation	Mixture: Based upon the available data, the classification criteria are not met.
Serious eye damage/irritation	Mixture: Based upon the available data, the classification criteria are not met.
Respiratory or skin sensitization	Mixture: Based upon the available data, the classification criteria are not met.

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<p>Germ cell mutagenicity Carcinogenicity Reproductive toxicity STOT - single exposure STOT - repeated exposure Aspiration hazard</p>	<p>Mixture: Based upon the available data, the classification criteria are not met. Mixture: Based upon the available data, the classification criteria are not met. Mixture: Based upon the available data, the classification criteria are not met. Mixture: Based upon the available data, the classification criteria are not met. Mixture: Based upon the available data, the classification criteria are not met. Mixture: Based upon the available data, the classification criteria are not met.</p>
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11.2 Other information None.

SECTION 12: ECOLOGICAL INFORMATION

<p>12.1 Toxicity 12.2 Persistence and degradability 12.3 Bioaccumulative potential 12.4 Mobility in soil 12.5 Results of PBT and VPvB assessment 12.6 Other adverse effects</p>	<p>Mixture: Based upon the available data, the classification criteria are not met. The product contains inorganic compounds which are not biodegradable. The other components of the product are slowly biodegradable. The product has low potential for bioaccumulation. The product is miscible with water. May spread in water systems. Not classified as PBT or vPvB. None known.</p>
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SECTION 13: DISPOSAL CONSIDERATIONS

<p>13.1 Waste treatment methods</p>	<p>Since emptied containers may retain product residue, follow label warnings even after container is emptied. Dispose of wastes in an approved waste disposal facility. Recover or recycle if possible.</p>
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SECTION 14: TRANSPORT INFORMATION

Not classified according to the United Nations 'Recommendations on the Transport of Dangerous Goods'.

	Road/Rail (ADR/RID)	Sea transport (IMDG)	Air (ICAO/IATA)
14.1 UN number	Not classified as dangerous for transport.		
14.2 UN proper shipping name	Not classified	Not classified	Not classified
14.3 Transport hazard class(es)	Not classified	Not classified	Not classified
14.4 Packing group	Not classified	Not classified	Not classified
14.5 Environmental hazards	Not classified	Not classified as a Marine Pollutant.	Not classified
14.6 Special precautions for user	See Section: 2		
14.7 Transport in bulk according to Annex II of MARPOL 73/78 and the IBC Code	Not applicable		
14.8 Additional Information	None		

SECTION 15: REGULATORY INFORMATION

<p>15.1 Safety, health and environmental regulations/legislation specific for the substance or mixture</p> <p>15.1.1 EU regulations Authorisations and/or Restrictions On Use</p> <p>15.1.2 National regulations Wassergefährdungsklasse (Germany)</p> <p>15.2 Chemical Safety Assessment</p>	<p>Not restricted</p> <p>Water hazard class: Not hazardous (Self classification) A chemical safety assessment is not required under REACH.</p>
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SECTION 16: OTHER INFORMATION

The following sections contain revisions or new statements: New format has been issued, all sections have been updated to include new information. Review SDS with care.

The following sections have updates indicated by -

- Section 2
- Section 4

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- Section 5
- Section 7
- Section 8
- Section 11
- Section 12
- Section 13
- Section 15

Version: 4.0

Date of preparation: 7th June 2019

Date Previous Issue: 08-September-2016

EU Classification: This Safety Data Sheet was prepared in accordance with EC Regulation (EC) 1907/2006 (REACH), 1272/2008 (CLP) & 2015/830.

LEGEND

ADR/RID	ADR: European Agreement concerning the International Carriage of Dangerous Goods by Road / RID: Regulations concerning the international railway transport of dangerous goods
BCF	Bioconcentration factor (BCF)
CAS	CAS: Chemical Abstracts Service
DNEL	Derived No Effect Level
EC	EC: European Community
EU	European Union
IATA	IATA: International Air Transport Association
ICAO/IATA	ICAO: International Civil Aviation Organization / IATA: International Air Transport Association
IMDG	IMDG: International Maritime Dangerous Goods
PBT	Persistent, Bioaccumulative and Toxic
PNEC	Predicted No Effect Concentration
UN	United Nations
vPvB	very Persistent and very Bioaccumulative

Training advice: Consideration should be given to the work procedures involved and the potential extent of exposure as they may determine whether a higher level of protection is required.

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