DRYDEN AQUA LTD

Safety Data Sheet 17

According to Regulation (EC) No. 1272/2008 [EU-GHS/CLP]
Date of compilation: 03/12/12
Print date: 03/02/13

Section 1 – Identification of the substance/mixture and of the company/undertaking

Product name: APF Private (Active Poly Floc)

Product number: 5 litres – 5.7.23
20 litres – 5.7.24

Supplier:
Dryden Aqua Ltd
Butlerfield Ind. Est.
Bonnyrigg
Edinburgh, EH19 3JQ

Tel: 018758 22222
Fax: 018758 22229

Section 2 - Hazards Identification

Classification of the substance or mixture

Classification according to Regulation (EC) No 1272/2008 [EU-GHS/CLP]

Eye Irritation (Category 2)
Specific Target Organ Toxicity- Single Exposure (Category 3)
Skin Irritation (Category 2)
Aquatic Chronic (Category 3)

Classification according to EU Directive 67/548/EEC or 1999/45/EC

Irritating to eyes. Irritating to respiratory system. Irritating to skin. Harmful to aquatic life with long lasting effects.

Hazard Symbols

Hazard Statement(s):

H319	Causes serious eye irritation.
H335	May cause respiratory irritation.
H315	Causes skin irritation.
H412	Harmful to aquatic life with long lasting effects.

Precautionary Statement(s):

P102	Keep out of Reach of Children
P103	Read label before use
P223 + P403	Store in a well ventilated place and Keep container tightly closed
P261	Avoid breathing dust/fume/gas/mist/vapour/spray
P264	Wash thoroughly after handling

P273	Avoid Release into the environment
P280	Wear protective gloves/protective clothing/eye protection/face protection.
P302+P350	IF ON SKIN: Wash with plenty of soap and water
P305+P351+P338	IF IN EYES: Rinse immediately with water for several minutes. Remove Contact lenses, if present and easy to do. Continue Rinsing

R- Phrase(s):

R36	Irritating to eyes
R37	Irritating to respiratory system
R38	Irritating to skin
R52	Harmful to aquatic organisms
R53	May cause long-term adverse effects in the aquatic environment

S-Phrase(s):

S24	Avoid contact with skin
S25	Avoid contact with eyes
S26	In case of contact with eyes, rinse immediately with plenty of water and seek medical advice
S28	After contact with skin, wash immediately with plenty of water
S37	Wear suitable gloves
S39	Wear eye/face protection
S61	Avoid release to the environment.

Hazard Class:	**Xi**
Eye:	Causes eye irritation.
Skin:	Causes skin irritation. The toxicological properties of this material have not been fully investigated.
Ingestion:	Causes gastrointestinal irritation with nausea, vomiting and diarrhoea. The toxicological properties of this substance have not been fully investigated.
Inhalation:	Causes respiratory tract irritation. The toxicological properties of this substance have not been fully investigated.
Chronic:	No information found.

Section 3 - Composition, Information on Ingredients

Chemical Name	CAS no.	EC No	Classification (GHS/CLP)	Classification (DPD)	Concentration
Polyaluminium Chloride (PAC)	1327-41-9	215-477-2	Eye Irrit. 2; STOT SE 3; Skin Irrit. 2: H319, H335, H315	Xi, R36/37/38	-
Lanthanum Chloride	20211-76-1	-	Eye Irrit. 2; Skin Irrit. 2	Xi, R36/38	-
Ethylenediaminetetraacetic Acid (EDTA)	62-33-9	200-529-9	Eye Irrit. 2; Aquatic Chronic 3: H319, H412	Xi, R36, R52/53	-
UV Stabilizer (Acid Blue 9)	3844-45-9	223-339-8	-	-	-

Section 4 - First Aid Measures

In case of eye contact:	Rinse immediately with water for several minutes. Remove Contact lenses, if present and easy to do. Continue Rinsing
In case of skin contact:	Wash with plenty soap and water.
If swallowed:	May cause nausea, vomiting, lethargy and abdominal, diarrhoea pain. If person is conscious and able to swallow, give large amounts of water to dilute. If vomiting occurs, keep head below hips to help prevent aspiration. Seek medical attention immediately.
If inhaled:	May cause irritation to the mucus membrane and respiratory tract with symptoms of sneezing, coughing and difficulty breathing. Remove person into fresh air. If not breathing, give artificial respiration. Seek medical attention immediately.

Section 5 - Fire Fighting Measures

General Information:

As in any fire, wear a self-contained breathing apparatus in pressure-demand, MSHA/NIOSH (approved or equivalent), and full protective gear. Dusts at sufficient concentrations can form explosive mixtures with air. During a fire, irritating and highly toxic gases may be generated by thermal decomposition or combustion.

Extinguishing Media:

Use agent most appropriate to extinguish fire. Do NOT get water inside containers. Use water spray, dry chemical, carbon dioxide or appropriate foam.

Section 6 - Accidental Release Measures

General Information:

Use proper personal protective equipment as indicated in Section 8.

Spills/Leaks:

Small amounts can be washed away with water. Large spillages should be contained, soaked up with sand, sawdust etc., and scraped up for disposal. Refer also to section 13.

Environmental Precautions:

Advise authorities if spillage has entered watercourse / sewer or has contaminated soil or vegetation.

Section 7 - Handling and Storage

Handling:	Ensure good ventilation of workplace. Eyewash facilities should be provided in areas where accidental exposure is foreseeable. Wear protective clothing. Use normal hygiene and housekeeping practises.
Storage:	Store in a tightly closed container. Store in a cool, dry well-ventilated area away from compatible substances. Temperatures should be controlled between 0 and 35ºC.
Storage materials:	Avoid uncoated metal containers.

Section 8 - Exposure Controls, Personal Protection

Engineering Controls:

Facilities storing or utilizing this material should be equipped with eyewash facility and a safety shower. Use adequate ventilation to keep airborne concentrations low.

Personal Protective Equipment

Eyes:	Wear appropriate protective eyeglasses or chemical safety goggles as described by OSHA's eye and face protection regulations in 29 CFR 1910.133 or European Standard EN166.
Skin:	Wear appropriate gloves to prevent skin exposure.
Clothing:	Wear appropriate clothing to prevent skin exposure.
Respirators:	Follow the OSHA respirator regulations found in 29 CFR 1910.134 or European Standard EN 149. Use a NIOSH/MSHA or European Standard EN 149 approved respirator if exposure limits are exceeded or if irritation or other symptoms are experienced.

Section 9 - Physical and Chemical Properties

Physical State:	Liquid
Colour:	Blue
Odour:	None reported
pH:	2 to 3
Boiling Point:	102ºC
Freezing Point:	Less than -3ºC
Autoignition Temperature:	Not applicable
Flash Point:	Not applicable.
Explosion Limits:	Lower: Not available
Explosion Limits:	Upper: Not available
Decomposition Temperature:	
Solubility in water:	Soluble in water.
Specific Gravity/Density:	1.18 to 1.22
Viscosity:	60 – 100 cps @ 25ºC

Section 10 - Stability and Reactivity

Chemical Stability:

Stable at room temperature in closed containers under normal storage and handling conditions.

Conditions to Avoid:

Incompatible materials, excess heat, temperatures above 75 degC (167 degF).

Incompatibilities with Other Materials:

Strong oxidizing agents,acids, alkalis and most metals.

Hazardous Decomposition Products:

Combustion with general toxic fumes.

Hazardous Polymerization

Has not been reported.

Section 11 - Toxicological Information

Effect of substance:

On Eyes:	Causes an irritation
On Skin:	Causes an irritation
By Skin Absorption:	Repeated skin exposure may cause dermatitis.

By ingestion: Irritation of mucous membrane brought into direct contact.

When Inhaled: Product does not fume. However, during a compressed air discharge from a road tanker some product may be entrained as small droplets on the vented air. This can cause irritation to the respiratory system.

Section 12 - Ecological Information

Not available

Section 13 - Disposal Considerations

Products considered hazardous for supply are classified as Special Waste and the disposal of such chemicals is covered by regulations which may vary according to location.

Contact a specialist disposal company or the local authority or advice. Empty containers must be decontaminated before returning for recycling.

Section 14 - Transport Information

Transport Information

Transport warning label:	8
Packing group:	III
RID/ADR:	Class 8
IMO:	Class 8
IATA:	Class 8
UN no:	3264
Proper shipping name:	Corrosive liquid, acidic, inorganic, N.O.S. (Polyaluminium Chloride (PAC), Lanthanum Chloride, Ethylenediaminetetraacetic Acid (EDTA), UV stabilizer (Acid Blue 9))

TRGS 510: **Storage Class** 10-13

Section 15 - Regulatory Information

European/International Regulations

European Labelling in Accordance with EC Directives

Hazard Symbols:	Eye Irritation Cat 2; Specific Target Organ Toxicity- Repeated Exposure Cat 3, Skin Irritation Cat 2.
Hazard Statements:	H319 (Causes serious eye irritation.) H335 (May cause respiratory irritation.) H315 (Causes skin irritation.)
Precaution Statements:	P264 (Wash thoroughly after handling), P273 (Avoid Release into the environment), P280 (Wear protective gloves/protective clothing/eye protection/face protection).

CAS# 10025-84-0: Not available

CAS# 10099-58-8: Not available

Canada: CAS# 10099-58-8 is listed on Canada's DSL List

US Federal: TSCA

CAS# 10025-84-0 is not on the TSCA Inventory because it is a hydrate.

Section 16 - Other Information

Text for R-phrases from Section 2

MSDS Creation Date:

The information above is believed to be accurate and represents the best information currently available to us. However, we make no warranty of merchantability or any other warranty, express or implied, with respect to such information, and we assume no liability resulting from its use. Users should make their own investigations to determine the suitability of the information for their particular purposes. In no event shall the company be liable for any claims, losses, or damages of any third party or for lost profits or any special, indirect, incidental, consequential, or exemplary damages howsoever arising, even if the company has been advised of the possibility of such damages.

OTHER INFORMATION

The information contained in this leaflet is given in good faith. It is accurate to the best of our knowledge and belief and represents the most up to date information. Provided our products are handled and used in accordance with the advice given, they should offer no hazard to health and safety.

Glossary of Terms and Abbreviations Used in Safety Data Sheets

1. Authorities & Bodies.

EEC:	European Economic Community
ETAD:	Ecological & Toxicological Association of the Dyestuffs Manufacturing Industry
HSE:	Health & Safety Executive
ISO:	International Organisation for Standardisation
NIOSH:	National Institute for Occupational Safety & Health (USA)
OSHA:	Occupational Safety & Health Administration (USA)
DOT:	Department of Transportation (USA)
OECD:	Organisation for Economic Co-operation & Development

2. Ecology & Disposal

COD:	Chemical Oxygen Demand	TOC:	Total organic Carbon
BOD:	Biochemical Oxygen Demand		OECD: (See Sec 1) Reference to Test Methods
AOX:	Absorbable Organic Halogens		CO_2: Carbon Dioxide Production
DOC:	Dissolved Organic Carbon		

WGK: 0-3; West German Classification of hazard to Water, based on acute toxicity to mammals, fish and bacteria, and biological eliminability

0 = no hazard, 1 = slight hazard, 2 hazardous, 3 = severe hazard

3. Inventories & Lists

AICS:	Australian Inventory of Chemical Substances
DSL:	Canadian dangerous Substances List
EINECS:	European Inventory of Existing Chemical Substances
ELINCS:	European List of Notified Chemical Substances
MITI (LIST):	Japanese Inventory of Chemical Substances
TSCA (LIST):	American register of chemicals according to Toxic Substances Control Act

4. Regulations - Use, Supply and Storage

UK CPL Regulations, all based on EEC Directives

CHIP:	Chemicals (Hazard Information & Packaging) Regulations SI 1993 No 1746 & amendments
CPL:	The Classification, Packaging and labelling of Dangerous Substances Regulations 1984 SI No 1244 & amendments
COSHH:	The Control of Substances Hazardous to Health Regulations 1988 SI No 1657 & amendments
FEPA:	The Food and Environmental Protection Act 1985

5. Regulations - Transport

ADR:	International Carriage of Dangerous Goods by Road
RID:	International Carriage of Goods by Rail
IMDG:	International Maritime Dangerous Goods Code
MFAG:	Medical First Aid Guide (For use on ships)
EMS:	Emergency Procedures for Ships carrying Dangerous Goods
IATA:	Dangerous Goods Regulations by Air

ICAO: Technical Instructions for Safe Transport of Dangerous Goods by Air
UN No: United Nations Number
SIN: Substances Identification Number (Same as UN No)
CI No: Colour Index Number
CAS No: Chemical Abstracts Services Registry Number (USA)

UN Packing Groups

I: Dangerous goods of great danger
II: Dangerous goods of medium danger
III: Dangerous goods of minor danger

N.O.S.: Not otherwise specified
N.A.: Not applicable
N.O.I.: Not otherwise indicated (USA)

6. Toxicity

LD50, LC50: Result of acute toxicity tests - See also HSE relevant ACOPs & guidance on classification
ACGIH: American Conference of Governmental Industrial Hygienists (who publish TLVs)
TLV: Threshold Limit Value
OEL Occupational Exposure Limit - Listed in HSE Guidance Note EH40
MEL: Maximum Exposure Limit - (in COSHH Regs) to replace OEL Control Limit
OES: Occupational Exposure Standard (in COSHH Regs) to replace OEL Recommended Limit
RTECS: Register of Toxic Effects of Chemical Substances (USA)