# Dryden Aqua Ltd SAFETY DATA SHEET

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

1.1. Product identifier Trade name or designation of the mixture	APF Public
Registration number	-
Synonyms	None.
Issue date	27-November-2014
Version number	02
Revision date	27-November-2014
Supersedes date	26-August-2014
1.2. Relevant identified uses of the Identified uses	e substance or mixture and uses advised against Multi-spectrum flocculant and coagulant
Uses advised against	None known.
	••••••

# 1.3. Details of the supplier of the safety data sheet

Supplier

Company name	Dryden Aqua Ltd
Address	Butlerfield Industrial Estate
	Bonnyrigg
	Edinburgh EH19 3JQ
	GB
Telephone	+44 (0) 18758 22222
	Fax: +44 (0) 18758 22229
e-mail	aqua@drydenaqua.com
Contact person	Christi Ashley-Sing
1.4. Emergency telephone number	+44 (0) 18758 22222

# **SECTION 2: Hazards identification**

#### 2.1. Classification of the substance or mixture

The mixture has been assessed and/or tested for its physical, health and environmental hazards and the following classification applies.

### Classification according to Directive 67/548/EEC or 1999/45/EC as amended

Classification	Xi;R41, R43

The full text for all R-phrases is displayed in section 16.

#### Classification according to Regulation (EC) No 1272/2008 as amended

Physical hazards Corrosive to metals	Category 1	H290 - May be corrosive to metals.
Health hazards Serious eye damage/eye irritation	Category 1	H318 - Causes serious eye damage.
Skin sensitisation	Category 1	H317 - May cause an allergic skin reaction.

#### Hazard summary

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Physical hazards	Not classified for physical hazards.
Health hazards	Risk of serious damage to eyes. May cause sensitisation by skin contact. Occupational exposure to the substance or mixture may cause adverse health effects.
Environmental hazards	Not classified for hazards to the environment.
Specific hazards	None known.

Material name: APF Public

Severe eye irritation. Symptoms may include stinging, tearing, redness, swelling, and blurred vision. May cause temporary blindness and severe eye damage. May cause an allergic skin reaction. Rash. Dermatitis.

### 2.2. Label elements

Contains:

# Label according to Regulation (EC) No. 1272/2008 as amended

Aluminium chloride hydroxide sulphate, Aluminium Chlorohydrate, Lanthanum Chloride, Anhydrous

Hazard pictograms



Signal word	
Hazard statements	

H290	May be corrosive to metals.
H317	May cause an allergic skin reaction.
H318	Causes serious eye damage.

#### Precautionary statements

Prevention	
P234	Keep only in original container.
P260	Do not breathe vapour.
P272	Contaminated work clothing should not be allowed out of the workplace.
P280	Wear protective gloves/protective clothing/eye protection/face protection.
Response	
P302 + P352	IF ON SKIN: Wash with plenty of 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/doctor.
P321	Specific treatment (see this label).
P333 + P313	If skin irritation or rash occurs: Get medical advice/attention.
P362 + P364	Take off contaminated clothing and wash it before reuse.
P390	Absorb spillage to prevent material damage.
Storage	
P406	Store in corrosive resistant container with a resistant inner liner.
Disposal	
P501	Dispose of contents/container (in accordance with related regulations).
Supplemental label information	EUH210 - Safety data sheet available on request.
2.3. Other hazards	None known.
SECTION 3: Composition/i	information on ingredients
3.2. Mixtures	
General information	

Chemical name		%	CAS-No. / EC No.	REACH Registration No.	INDEX No.	Notes
Aluminium chloride hy sulphate	droxide	15 - 25	39290-78-3 254-400-7	01-2119531540-51-xxxx	-	
Classification:	DSD:	Xi;R41				
	CLP:	Met. Corr. 1;H2	90, Eye Dam. 1;H318	3		
Aluminium Chlorohydr	ate	5 - < 10	12042-91-0 234-933-1	01-2119533142-53-xxxx	-	
Classification:	DSD:	-				
	CLP:	-				

**Chemical name** 

	Lanthanum Chloride, Anh	wdrous	1 - < 3 10099-58-8 01-2119452063-49-xxxx	
		iyuluus	233-237-5	-
	Classification:	DSD:	Xi;R41, R43, N;R51/53	
		CLP:	Met. Corr. 1;H290, Skin Sens. 1;H317, Eye Dam. 1;H318, Aquatic Chronic 2;H411	
	POLYDADMAC		1 - < 3 26062-79-3 - -	-
	Classification:	DSD:	R52/53	
		CLP:	Aquatic Chronic 3;H412	
	Other components below	reporta	le levels 60 - < 70	
List	of abbreviations and symbol CLP: Regulation No. 1272 DSD: Directive 67/548/EE #: This substance has wo	2/2008. EC.		
Con	nposition comments	•	e full text for all R- and H-phrases is displayed in section 16.	
SF	CTION 4: First aid me	easur		
	neral information	E	sure that medical personnel are aware of the material(s) involved, a	nd take precautions to
		-	otect themselves. Wash contaminated clothing before reuse.	
4.1.	Description of first aid me Inhalation		nhaled, remove to fresh air. Call a physician if symptoms develop or	persist.
	Skin contact	e	emove contaminated clothing immediately and wash skin with soap a zema or other skin disorders: Seek medical attention and take along othing separately before reuse.	
	Eye contact		mediately flush eyes with plenty of water for at least 15 minutes. Reasent and easy to do. Continue rinsing. Get medical attention immed	
	Ingestion		nse mouth thoroughly. If ingestion of a large amount does occur, call mediately.	a poison control centre
and	Most important symptoms effects, both acute and ayed	t	evere eye irritation. Irritation of eyes and mucous membranes. Sympl aring, redness, swelling, and blurred vision. May cause temporary bli mage. May cause an allergic skin reaction. Rash. Dermatitis.	
mea	Indication of any immedia dical attention and special tment needed		ovide general supportive measures and treat symptomatically. Keep mptoms may be delayed.	victim under observation.
SE	CTION 5: Firefighting	meas	Ires	
Ger	neral fire hazards	1	on-combustible, substance itself does not burn.	
5.1.	Extinguishing media Suitable extinguishing media		ater fog. Foam. Dry chemical powder. Carbon dioxide (CO2). Use fir propriate for surrounding materials.	e-extinguishing media
	Unsuitable extinguishing media	[	o not use water jet as an extinguisher, as this will spread the fire.	
	Special hazards arising the substance or mixture		is product is an aqueous mixture which will not burn. itating and toxic gases or fumes may be released during a fire.	
5.3.	Advice for firefighters Special protective equipment for firefighters		ear self-contained breathing apparatus and protective clothing.	
	Special fire fighting procedures	F	ove containers from fire area if you can do so without risk. re residues and contaminated fire extinguishing water must be dispo cal regulations. No unusual fire or explosion hazards noted.	sed of in accordance with
Spe	cific methods	ι	se standard firefighting procedures and consider the hazards of other	involved materials.

Material name: APF Public

1382 Version #: 02 Revision date: 27-November-2014 Issue date: 27-November-2014

## **SECTION 6: Accidental release measures**

#### 6.1. Personal precautions, protective equipment and emergency procedures Keep people away from and upwind of spill/leak. Wear appropriate protective equipment and For non-emergency personnel clothing during clean-up. Do not breathe vapour. Ensure adequate ventilation. For personal protection, see section 8. Keep unnecessary personnel away. Do not touch damaged containers or spilled material unless wearing appropriate protective clothing. Local authorities should be advised if significant spillages cannot be contained. Keep unnecessary personnel away. Use personal protection recommended in Section 8 of the For emergency responders SDS. 6.2. Environmental precautions Prevent further leakage or spillage if safe to do so. Avoid discharge into drains, water courses or onto the ground. 6.3. Methods and material for Large Spills: Stop the flow of material, if this is without risk. Dike the spilled material, where this is containment and cleaning up possible. Absorb spillage to prevent material damage. Use a non-combustible material like vermiculite, sand or earth to soak up the product and place into a container for later disposal. Prevent entry into waterways, sewer, basements or confined areas. 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. For personal protection, see section 8. For waste disposal, see section 13 of the SDS. 6.4. Reference to other sections SECTION 7: Handling and storage 7.1. Precautions for safe Do not breathe vapour. Avoid contact with eyes, skin, and clothing. Avoid prolonged exposure. handling Provide adequate ventilation. Wear appropriate personal protective equipment. Observe good industrial hygiene practices. Do not get this material in contact with eyes. Avoid release to the environment. Do not empty into drains. Storage temperature: between 5C and 35C. Store in a cool, dry place out of direct sunlight. Store 7.2. Conditions for safe storage, including any incompatibilities in corrosive resistant container with a resistant inner liner.

Keep from freezing. Store away from incompatible materials (see Section 10 of the SDS).

7.3. Specific end use(s)	The specified uses for this material are shown in section 1	of this document
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# SECTION 8: Exposure controls/personal protection

#### 8.1. Control parameters

Components	Туре	Value	Form
Aluminium chloride hydroxide sulphate (39290-78-3)	TWA	2 mg/m3	Soluble aluminium salts
Aluminium Chlorohydrate (12042-91-0)	TWA	2 mg/m3	soluble aluminium salts
Biological limit values	No biological exposure limits noted for th	ne ingredient(s).	
Recommended monitoring procedures	Follow standard monitoring procedures.		

Keep only in the original container. Keep container tightly closed. Store in a well-ventilated place.

# Derived no-effect level (DNEL) Not available.

redicted no effect concentrations (PNECs)				
Components	Туре	Route	Value	Form
Aluminium Chlorohydrate (CAS 12042-91-0)	Not applicable	STP	20 mg/l	
		Water	0.3 ug/l	freshwater
		Water	0.03 ug/l	marine water

#### 8.2. Exposure controls

Appropriate engineering controls	Provide adequate general and local exhaust ventilation. Good general ventilation (typically 10 air changes per hour) should be used. Ventilation rates should be matched to conditions. If applicable, use process enclosures, local exhaust ventilation, or other engineering controls to maintain airborne levels below recommended exposure limits. If exposure limits have not been established, maintain airborne levels to an acceptable level. Provide eyewash station.
Individual protection measures, su	ich as personal protective equipment
General information	Use personal protective equipment as required. Personal protection equipment should be chosen according to the CEN standards and in discussion with the supplier of the personal protective equipment. Launder contaminated clothing before reuse.
Eye/face protection	Wear safety glasses with side shields (or goggles) and a face shield. Face shield is recommended. Do not get in eyes. (EN166)
Skin protection	
- Hand protection	Wear appropriate chemical resistant gloves. Contains a potential skin sensitizer. Chemical resistant gloves made of butyl rubber or nitrile rubber category III according to EN 374. Please observe the instructions regarding permeability and breakthrough time which are provided by the supplier of the gloves. Also take into consideration the specific local conditions under which the product is used, such as the danger of cuts, abrasion, and the contact time.
- Other	Wear appropriate chemical resistant clothing. Use of an impervious apron is recommended.
Respiratory protection	In case of insufficient ventilation, wear suitable respiratory equipment.
Thermal hazards	Wear appropriate thermal protective clothing, when necessary.
Hygiene measures	Always observe good personal hygiene measures, such as washing after handling the material and before eating, drinking, and/or smoking. Routinely wash work clothing and protective equipment to remove contaminants. Contaminated work clothing should not be allowed out of the workplace.
Environmental exposure controls	Contain spills and prevent releases and observe national regulations on emissions. Environmental manager must be informed of all major releases. Avoid release to the environment.

# SECTION 9: Physical and chemical properties

## 9.1. Information on basic physical and chemical properties

9.1. Information on basic physica	and chemical properties
Appearance	Blue liquid
Physical state	Liquid.
Form	Free flowing
Colour	Blue
Odour	Odourless.
Odour threshold	Not applicable
рН	3.0 - 4.0
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 explo	sive limits
Flammability limit - lower (%)	Not applicable
Flammability limit - upper (%)	Not applicable
Vapour pressure	Not available
Vapour density	Not available
Relative density	Not available.
Solubility(ies)	
Solubility (water)	Miscible
Solubility (other)	Not available.
Auto-ignition temperature	Not applicable

Material name: APF Public

Not applicable
60 - 100 cP @ 25C
Not applicable
Not applicable
1.10 - 1.30 g/cm³
69.4 % estimated
1.05 - 1.25

# **SECTION 10: Stability and reactivity**

10.1. Reactivity	Material is stable under normal conditions. May be corrosive to metals.		
10.2. Chemical stability	Material is stable under normal conditions.		
10.3. Possibility of hazardous reactions	Hazardous polymerisation does not occur.		
10.4. Conditions to avoid	Contact with incompatible materials. None under normal conditions. Do not expose to temperatures above 75 °C. Do not freeze.		
10.5. Incompatible materials	Strong oxidising agents. May be corrosive to metals. Metals. Keep away from oxidising agents, strongly alkaline and strongly acid materials in order to avoid exothermic reactions.		
10.6. Hazardous decomposition products	No dangerous reaction known under conditions of normal use.		

# **SECTION 11: Toxicological information**

General information	Incomplete toxicological data are available for this product.	
	Data shown in this section has been published in the substance(s) REACH dossier Occupational	
	exposure to the substance or mixture may cause adverse effects.	

### Information on likely routes of exposure

Inhalation	Prolonged inhalation may be harmful.
Skin contact	May cause an allergic skin reaction.
Eye contact	Causes serious eye damage.
Ingestion	Not available.
Symptoms	Rash. Severe eye irritation. Symptoms may include stinging, tearing, redness, swelling, and blurred vision. May cause temporary blindness and severe eye damage. May cause an allergic skin reaction. Dermatitis. Skin contact may provoke the following symptoms: Sensitisation

#### 11.1. Information on toxicological effects

Acute toxicity	According to concentration, aqueous solution causes irritation or burns of eyes, skin and mucous membranes. May be harmful if swallowed. May cause an allergic skin reaction. Contains a potential skin sensitizer. Skin irritation		
Product	Species	Test results	
APF Public (CAS Mixture)			
Acute			
Dermal			
LD50	Rat	> 2000 mg/kg bw	
Oral			
LD50	Rat	> 2000 mg/kg bw	
Components	Species	Test results	
Aluminium chloride hydroxide 39290-78-3)	sulphate (CAS		
Acute			
Dermal			
LD50	Rat	2360 mg/kg bw	

Components	Species	Test results	
Inhalation			
LC50	Rat	5 mg/l, 4 hours	
Oral			
LD50	Rat	> 2000 mg/kg bw	
Aluminium Chlorohydrate (CAS	12042-91-0)		
Acute			
Dermal			
LD50	Rat	> 2000 mg/kg bw	
Oral			
LD50	Rat	> 2000 mg/kg bw	
Lanthanum Chloride, Anhydrous 10099-58-8)	(CAS		
Acute			
Dermal			
LD50	Rabbit	> 1638 mg/kg bw	
Oral			
LD50	Rat	2361 - 2909 mg/kg bw	
POLYDADMAC (CAS 26062-79-	3)		
Acute			
Oral			
LD50	Rat	> 5000 mg/kg	
* Estimates for product may	be based on additional component da	ata not shown.	
Skin corrosion/irritation	Due to partial or complete lack of	data the classification is not possible.	
Serious eye damage/eye irritation	Causes serious eye damage.		
Respiratory sensitisation	Due to partial or complete lack of data the classification is not possible.		
Skin sensitisation	May cause an allergic skin reactio	n.	
Germ cell mutagenicity	Due to partial or complete lack of data the classification is not possible.		
Carcinogenicity	Due to partial or complete lack of data the classification is not possible.		
Reproductive toxicity	Due to partial or complete lack of	data the classification is not possible.	
Specific target organ toxicity - single exposure	Due to partial or complete lack of data the classification is not possible.		
Specific target organ toxicity - repeated exposure	Due to partial or complete lack of data the classification is not possible.		
Aspiration hazard	Due to partial or complete lack of data the classification is not possible.		
Mixture versus substance information	No information available.		
Other information	Not available.		
SECTION 12: Ecological in	nformation		

Contains a substance which causes risk of hazardous effects to the environment. May cause long lasting harmful effects to aquatic life.

Components		Species	Test results
Aluminium chloride hydroxi 39290-78-3)	de sulphate (CAS		
Aquatic			
Algae	ErC50	Algae	14 mg/l, 72 hours dissolved Al
	NOEC	Algae	1 mg/l Growth rate
Crustacea	EC50	Daphnia	> 200 mg/l, 48 hours

Material name: APF Public

Components		Species	Test results
			> 0.15 mg/l, 48 hours dissolved Al
Fish	EC50	Danio (Danio)	> 0.357 mg/l dissolved Al
Aluminium Chlorohydrate	(CAS 12042-91-0)		
Aquatic			
Algae	NOEC	Algae	1 mg/l Growth rate
Crustacea	NOEC	Daphnia	> 160 mg/l, 48 hours similar substance
Fish	LC50	Zebra danio (Danio rerio)	> 100 mg/l, 96 hours
	NOEC	Zebra danio (Danio rerio)	> 0.357 mg/l, 96 hours aluminium
Lanthanum Chloride, Anhy 10099-58-8)	drous (CAS		
Aquatic			
Algae	EC50	Algae	28.2 mg/l, 72 hours Growth inhibition
Crustacea	EC50	Daphnia	43.2 µg/l, 48 hours static
			0.974 mg/l, 21 days mortality
	NOEC	Daphnia	0.176 mg/l, 21 days mortality
Fish	NOEC	Carp (Cyprinus carpio)	0.46 mg/l, 21 days OECD 24
POLYDADMAC (CAS 260	62-79-3)		
Aquatic			
Crustacea	EC50	Daphnia	> 10 mg/l, 48 hours OECD202
Fish	LC50	Fish	> 10 mg/l, 96 hours OECD203

\* Estimates for product may be based on additional component data not shown.

12.2. Persistence and degradability	The product contains inorganic compounds which are not biodegradable. The other components of the product are slowly biodegradable.
12.3. Bioaccumulative potential	Does not bioaccumulate.
Partition coefficient n-octanol/water (log Kow)	Not available.
Bioconcentration factor (BCF)	Not available.
12.4. Mobility in soil	The product is miscible with water. May spread in water systems.
Mobility in general	This product is miscible in water.
12.5. Results of PBT and vPvB assessment	Not available.
12.6. Other adverse effects	May cause long-term adverse effects in the aquatic environment. Do not discharge into drains, water courses or onto the ground. An environmental hazard cannot be excluded in the event of unprofessional handling or disposal.

# **SECTION 13: Disposal considerations**

13.1. Waste treatment methods	
Residual waste	Empty containers or liners may retain some product residues. This material and its container must be disposed of in a safe manner (see: Disposal instructions). Dispose of in accordance with local regulations.
Contaminated packaging	Empty containers should be taken to an approved waste handling site for recycling or disposal. Since emptied containers may retain product residue, follow label warnings even after container is emptied.
EU waste code	The Waste code should be assigned in discussion between the user, the producer and the waste disposal company.
Disposal methods/information	Collect and reclaim or dispose in sealed containers at licensed waste disposal site. This material and its container must be disposed of as hazardous waste. Do not allow this material to drain into sewers/water supplies. Do not contaminate ponds, waterways or ditches with chemical or used container. Dispose of contents/container in accordance with local/regional/national/international regulations.

Special precautions	Dispose in accordance with all applicable regulations.
SECTION 14: Transport info	rmation
ADR	
14.1. UN number	UN3264
14.2. UN proper shipping	Corrosive liquid, acidic, inorganic, n.o.s. (Aluminium chloride hydroxide sulphate)
name	
14.3. Transport hazard class(e	ns)
Class	8
Subsidiary risk	-
Label(s)	8
Hazard No. (ADR)	80
Tunnel restriction code	E
14.4. Packing group	
14.5. Environmental hazards	No.
14.6. Special precautions for user	Read safety instructions, SDS and emergency procedures before handling.
RID	
14.1. UN number	UN3264
14.2. UN proper shipping	Corrosive liquid, acidic, inorganic, n.o.s. (Aluminium chloride hydroxide sulphate)
name	
14.3. Transport hazard class(e	s)
Class	8
Subsidiary risk	-
Label(s)	8
14.4. Packing group	
14.5. Environmental hazards	No.
14.6. Special precautions for user	Read safety instructions, SDS and emergency procedures before handling.
ADN	
14.1. UN number	UN3264
14.2. UN proper shipping	Corrosive Liquid, Inorganic, N.o.s. (Aluminium chloride hydroxide sulphate)
name	
14.3. Transport hazard class(e	ns)
Class	8
Subsidiary risk	-
Label(s)	8
14.4. Packing group	
14.5. Environmental hazards	No.
14.6. Special precautions for	Read safety instructions, SDS and emergency procedures before handling.
user IATA	
14.1. UN number	UN3264
14.2. UN proper shipping	Corrosive liquid, acidic, inorganic, n.o.s. (Aluminium chloride hydroxide sulphate)
name	
14.3. Transport hazard class(e	us)
Class	8
Subsidiary risk	-
14.4. Packing group	III
14.5. Environmental hazards	No.
ERG Code	8L
14.6. Special precautions for	Read safety instructions, SDS and emergency procedures before handling.
user	
Other information	
Passenger and cargo	Allowed.

aircraft

IMDG

Cargo aircraft only

Allowed.

UN3264

14.2. UN proper shipping name	Corrosive liquid, acidic, inorganic, n.o.s. (Aluminium chloride hydroxide sulphate)
14.3. Transport hazard class(e	es)
Class	8
Subsidiary risk	-
14.4. Packing group	III
14.5. Environmental hazards	
Marine pollutant	No.
EmS	F-A, S-B
14.6. Special precautions for user	Read safety instructions, SDS and emergency procedures before handling.
14.7. Transport in bulk according to Annex II of MARPOL 73/78 and the IBC Code	This substance/mixture is not intended to be transported in bulk.

### ADN; ADR; IATA; IMDG; RID



# **SECTION 15: Regulatory information**

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

### EU regulations

Regulation (EC) No. 2037/2000 on substances that deplete the ozone layer, Annex I Not listed.

Regulation (EC) No. 2037/2000 on substances that deplete the ozone layer, Annex II Not listed.

Regulation (EC) No. 850/2004 on persistent organic pollutants, Annex I

Not listed.

Regulation (EC) No. 689/2008 concerning the export and import of dangerous chemicals, Annex I, part 1 Not listed.

- Regulation (EC) No. 689/2008 concerning the export and import of dangerous chemicals, Annex I, part 2 Not listed.
- Regulation (EC) No. 689/2008 concerning the export and import of dangerous chemicals, Annex I, part 3 Not listed.

Regulation (EC) No. 689/2008 concerning the export and import of dangerous chemicals, Annex V Not listed.

Regulation (EC) No. 166/2006 Annex II Pollutant Release and Transfer Registry Not listed.

Regulation (EC) No. 1907/2006, REACH Article 59(10) Candidate List as currently published by ECHA Not listed.

## Authorisations

Regulation (EC) No. 1907/2006, REACH Annex XIV Substances subject to authorization, as amended Not listed.

#### Restrictions on use

Regulation (EC) No. 1907/2006 Annex XVII Substances subject to restriction on marketing and use

Not regulated.

Directive 2004/37/EC: on the protection of workers from the risks related to exposure to carcinogens and mutagens at work Not listed.

Directive 2004/37/EC on the	protection of workers from the risks related to exposure to carcinogens	and mutagens at work
Not regulated.		Ū
-	safety and health of pregnant workers and workers who have recently	given birth or are
Not regulated.		
Other EU regulations		
Directive 96/82/EC (Seveso I	I) on the control of major-accident hazards involving dangerous substa	inces
Not regulated. Directive 98/24/EC on the pro	ptection of the health and safety of workers from the risks related to ch	emical agents at work.
Always applicable.		
Directive 94/33/EC on the pro	otection of young people at work	
Not listed.		
Other regulations	The product is classified and labelled in accordance with EC directive This Safety Data Sheet complies with the requirements of Regulation	•
National regulations	Young people under 18 years old are not allowed to work with this p Directive 94/33/EC on the protection of young people at work. Follow with chemical agents.	-
15.2. Chemical safety assessment	No Chemical Safety Assessment has been carried out.	
International Inventories		
Country(s) or region	Inventory name	On inventory (yes/no)*
Australia	Australian Inventory of Chemical Substances (AICS)	No
Canada	Domestic Substances List (DSL)	Yes
Canada	Non-Domestic Substances List (NDSL)	No
China	Inventory of Existing Chemical Substances in China (IECSC)	Yes
Europe	European Inventory of New and Existing Chemicals (EINECS)	Yes
Europe	European List of Notified Chemical Substances (ELINCS)	No
Japan	Inventory of Existing and New Chemical Substances (ENCS)	No
Korea	Existing Chemicals List (ECL)	Yes
New Zealand	New Zealand Inventory	No
Philippines	Philippine Inventory of Chemicals and Chemical Substances (PICCS)	No
United States & Puerto Rico	Toxic Substances Control Act (TSCA) Inventory	Yes

A "Yes" indicates that all components of this product comply with the inventory requirements administered by the governing country(s)

# **SECTION 16: Other information**

List of abbreviations	Not available.
References	Not available.
Information on evaluation method leading to the classification of mixture	The classification for health and environmental hazards is derived by a combination of calculation methods and test data, if available.
Full text of any statements or R-phrases and H-statements under Sections 2 to 15	P41 Pick of sorious damage to evec
	R41 Risk of serious damage to eyes. R43 May cause sensitisation by skin contact.
	R51/53 Toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment.
	R52/53 Harmful to aquatic organisms, may cause long-term adverse effects in the aquatic environment.
	H290 May be corrosive to metals.
	H317 May cause an allergic skin reaction.
	H318 Causes serious eye damage.
	H411 Toxic to aquatic life with long lasting effects.
	H412 Harmful to aquatic life with long lasting effects.

Revision information	SECTION 6: Accidental release measures: 6.3. Methods and material for containment and cleaning up SECTION 11: Toxicological information: General information Transport Information: Product Shipping Name/Packing Group SECTION 16: Other information: Disclaimer SECTION 16: Other information: List of abbreviations
Training information	Read safety instructions, SDS and emergency procedures before handling. Follow training instructions when handling this material.
Disclaimer	<ul> <li>The information in the sheet was written based on the best knowledge and experience currently available.</li> <li>MANUFACTURER DISCLAIMER: The information given within this SDS is correct to the best of our knowledge, information and belief at the date of its revision and publication. However, the manufacturer makes no representation, warranty or guarantee as to its accuracy, reliability or completeness, nor assumes any liability for its use. It is the user's responsibility to confirm in advance that the information is current, applicable and suitable to their circumstances for each particular use. No representative of ours has authority to waive this provision. Please call for document accuracy if the revision date has exceeded 3 years.</li> </ul>