

SAFETY DATA SHEET

Dryden Aqua



Date of issue: 23/01/2023
Version 1.0

ACCORDING TO EC-REGULATIONS 1907/2006 (REACH), 1272/2008 (CLP) & 2020/878

ACO

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

1.1 Product identifier		
Product name	ACO	
Product code	20020, 20021 & 20022	
Unique Formula Identifier (UFI)	A6J0-D0V0-700W-4DEQ	
Nanoform	The product does not contain nanoparticles.	
1.2	Relevant identified uses of the substance or mixture and uses advised against	
Identified Use(s)	UV filters for photo-Reduction of Chlorine.	
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, United Kingdom	
Telephone	+44 (0) 18758 22222	
Fax	+44 (0) 18758 22229	
E-mail (competent person)	Agnieszka@drydenaqua.com (Agnieszka Szewczyk)	
EU Entity	Dryden Aqua Deutschland GmbH	
Company Address	Marburger Str. 20, 35096 Weimar (Lahn) Germany	
1.4	Emergency telephone number	
Emergency Phone No.	+44 (0) 800 246 1274	(24/7) EcoStar Environmental
National Poisons Information Service (United Kingdom)	+44 (0) 3448 920111	24 hr. emergency phone number
NHS 24	111	Healthcare Professionals ONLY
Language(s) spoken:	English	Members of Public

2. SECTION 2: HAZARDS IDENTIFICATION

2.1	Classification of the substance or mixture Regulation (EC) No. 1272/2008 (CLP)	This product does not meet the criteria for classification in any hazard class according to Regulation (EC) No 1272/2008 on classification, labelling and packaging of substances and mixtures.
2.2	Label elements	According to Regulation (EC) No. 1272/2008 (CLP)
Product name	ACO	
Contains:	Not applicable.	
Hazard Pictogram(s)	Not applicable	
Signal Word(s)	None assigned	
Hazard Statement(s)	None assigned	
Precautionary Statement(s)	None assigned	

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Supplemental information None Known

2.3 Other hazards None Known

3. SECTION 3: COMPOSITION/INFORMATION ON INGREDIENTS

3.1 Substances
Not applicable

3.2 Mixtures
EC Classification Regulation (EC) No. 1272/2008 (CLP)

Chemical identity of the substance	%W/W	CAS No.	EC No.	REACH Registration No.	Hazard Statement(s)
Sodium Chlorite	0.1 - <1	7758-19-2	231-836-6	Not yet assigned in the supply chain	Ox. Liq. 1; H271 Acute Tox. 3; H301 Acute Tox. 2; H310 Skin Corr. 1B; H314 Eye Dam. 1; H318 STOT RE 2; H373 Aquatic Acute 1; H400 Aquatic Chronic 3; H412

Note: For full text of H phrases see section 16.

4. SECTION 4: FIRST AID MEASURES



4.1 Description of first aid measures
Self-protection of the first aider

Inhalation

Skin contact

Eye contact

Ingestion

4.2 Most important symptoms and effects, both acute and delayed

4.3 Indication of any immediate medical attention and special treatment needed

Ensure adequate ventilation Avoid breathing vapours. Wear suitable protective clothing and gloves. Avoid contact with skin and eyes.

IF INHALED: If breathing is difficult, remove to fresh air and keep at rest in a position comfortable for breathing.

IF ON SKIN: Wash with plenty of water. If skin irritation occurs: Get medical advice/attention.

IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. If irritation develops and persists, get medical attention.

Rinse mouth. Get medical advice/attention if you feel unwell.

None Known

Treat symptomatically.

5. SECTION 5: FIREFIGHTING MEASURES

5.1 Extinguishing media

Suitable extinguishing media

Unsuitable extinguishing media

5.2 Special hazards arising from the substance or mixture

As appropriate for surrounding fire. Water spray, foam, dry powder or CO2.

Do not use water jet. Direct water jet may spread the fire.

This product is an aqueous mixture which will not burn.

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5.3 Advice for firefighters

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 because they are likely to rupture under fire conditions.

6. 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 Avoid breathing vapours.

6.2 Environmental precautions

Avoid release to environment

6.3 Methods and material for containment and cleaning up

Wipe up with absorbent material (eg. cloth, fleece). Clean surface thoroughly to remove residual contamination. Never return spills in original containers for re-use. Ventilate the area and wash spill site after material pick-up is complete.

6.4 Reference to other sections

See Section: 8,13

7. 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. Avoid breathing vapours.

7.2 Conditions for safe storage, including any incompatibilities storage temperature

Keep only in original packaging. Keep in a well ventilated place. Keep container closed.

Incompatible materials

Store in a cool/low-temperature, well-ventilated (dry) place away from heat and ignition sources. Keep from direct sunlight.

Keep away from oxidising substances. Avoid contact with acids and alkalis. Keep away from: wood, Rubber, Aluminium, Copper alloys.

7.3 Specific end use(s)

See Section: 1.2

8. SECTION 8: EXPOSURE CONTROLS/PERSONAL PROTECTION

8.1 Control parameters

8.1.1 Occupational exposure limits

Northern Ireland

Substance	CAS No.	Occupational Exposure Limit Value (8-hour reference period)		Occupational Exposure Limit Value (15-minute reference period)		Notes
		(ppm)	mg/m3	(ppm)	mg/m3	
Titanium dioxide	13463-67-7	-	10	-	-	-
Total Inhalable Dust		-	4	-	-	
Respirable Dust		-	-	-	-	

Source: 2020 Code of Practice for the Safety, Health and Welfare at Work (Chemical Agents) Regulations (2001-2015) and the Safety, Health and Welfare at Work (Carcinogens) Regulations (2001-2019)

8.1.2 Biological Limit Value

None assigned

8.1.3 PNECs and DNELs

Not applicable

8.2 Exposure controls

8.2.1 Appropriate engineering controls

Provide adequate ventilation when using the material and follow the principles of good occupational hygiene to control personal exposures. If exposure limits have

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not been established, maintain airborne levels to an acceptable level. Eye wash fountain is recommended.

8.2.2 Individual protection measures, such as personal protective equipment

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

Protective clothing should be selected specifically for the working place, depending on concentration and quantity of the hazardous substances handled. The resistance of the protective clothing to chemicals should be ascertained with the respective supplier.

Eye / face protection



Wear eye protection with side protection (EN166). Eyewash bottles should be available.

Skin protection



Hand protection: Wear impervious gloves (EN374). Breakthrough time of the glove material: refer to the information provided by the gloves' producer.
Recommended: Neoprene

Respiratory protection



In case of inadequate ventilation wear respiratory protection. Recommended: EN143 Type A-P2

Thermal hazards

Not applicable

8.2.3 Environmental exposure controls

Avoid release to the environment.

9. SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES

9.1 Information on basic physical and chemical properties

Physical state	Liquid
Colour	colourless
Odour	Odourless
Melting point/freezing point	< 0 °C
Boiling point or initial boiling point and boiling range	101 °C
Flammability	not applicable
Lower and upper explosion limit	not applicable
Flash point	Not established
Auto-ignition temperature	Not established
Decomposition temperature	Not established
pH	10.5 – 11.2
Kinematic viscosity	60 – 100 cP
Solubility	Miscible with water.
Partition coefficient: n-octanol/water (log value)	Not established
Vapour pressure	Not established
Density and/or relative density	Not established
Relative vapour density	Not established
Particle characteristics	not applicable - Liquid

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9.2 Other information None

10. 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	No hazardous reactions known if used for its intended purpose.
10.4	Conditions to avoid	Keep cool. Protect from sunlight. Store at room temperature Do not allow material to freeze.
10.5	Incompatible materials	Keep away from oxidising substances. Avoid contact with acids and alkalis. Keep away from: wood, Rubber, Aluminium, Copper alloys.
10.6	Hazardous decomposition products	None Known

11. SECTION 11: TOXICOLOGICAL INFORMATION

11.1	Information on hazard classes as defined in Regulation (EC) No 1272/2008	
	Acute toxicity - Ingestion	Mixture: Based upon the available data, the classification criteria are not met. Acute Toxicity Estimate Mixture Calculation: LD50 >2000 mg/kg bw
	Acute toxicity - inhalation	Mixture: Based upon the available data, the classification criteria are not met. Acute Toxicity Estimate Mixture Calculation: LC50 >5 mg/l (dust/mist)
	Acute toxicity - Skin contact	Mixture: Based upon the available data, the classification criteria are not met. Acute Toxicity Estimate Mixture Calculation: LD50 >2000 mg/kg bw
	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 sensitisation	Mixture: Based upon the available data, the classification criteria are not met.
	Germ cell mutagenicity	Mixture: Based upon the available data, the classification criteria are not met.
	Carcinogenicity	Mixture: Based upon the available data, the classification criteria are not met.
	Reproductive toxicity	Mixture: Based upon the available data, the classification criteria are not met.
	STOT - single exposure	Mixture: Based upon the available data, the classification criteria are not met.
	STOT - repeated exposure	Mixture: Based upon the available data, the classification criteria are not met.
	Aspiration hazard	Mixture: Based upon the available data, the classification criteria are not met.
11.2	Information on other hazards	
11.2.1	Endocrine disrupting properties	This product does not contain a substance that has endocrine disrupting properties with respect to humans as no components meets the criteria.
11.2.2	Other information	None Known

12. SECTION 12: ECOLOGICAL INFORMATION

12.1	Toxicity	Mixture: Based upon the available data, the classification criteria are not met.
12.2	Persistence and degradability	No data for the mixture as a whole.
12.3	Bioaccumulative potential	Sodium Chlorite Testing can be waived because the substance is an inorganic compound
		No data for the mixture as a whole.
12.4	Mobility in soil	Sodium Chlorite The substance has low potential for bioaccumulation. Log Kow <3 Testing can be waived because the substance is an inorganic compound
		No data for the mixture as a whole.
12.5	Results of PBT and vPvB assessment	Sodium Chlorite Partition coefficient n-octanol/water <-2.7. Log Kow <3
		The substance has low mobility in soil.
12.6	Endocrine disrupting properties	Not classified as PBT or vPvB.
	Other adverse effects	This product does not contain a substance that has endocrine disrupting properties with respect to non-target organisms as no components meets the criteria.
		None Known

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13. SECTION 13: DISPOSAL CONSIDERATIONS

- 13.1 Waste treatment methods** Dispose of wastes in an approved waste disposal facility. Avoid release to the environment. Recover or recycle if possible. Dilute with a large volume of water. Disposal should be in accordance with local, state or national legislation.

14. SECTION 14: TRANSPORT INFORMATION

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

	ADR/RID	IMDG	IATA/ICAO
14.1 UN number or ID number	Not applicable	Not applicable	Not applicable
14.2 UN proper shipping name	Not applicable	Not applicable	Not applicable
14.3 Transport hazard class(es)	Not applicable	Not applicable	Not applicable
14.4 Packing group	Not applicable	Not applicable	Not applicable
14.5 Environmental hazards	Not applicable	Not classified as a Marine Pollutant.	Not applicable
14.6 Special precautions for user	See Section: 2		
14.7 Maritime transport in bulk according to IMO instruments	Not applicable	Not applicable	Not applicable
14.8 Additional information	None		

15. SECTION 15: REGULATORY INFORMATION

- 15.1 Safety, health and environmental regulations/legislation specific for the substance or mixture**
- 15.1.1 EU regulations**
Authorisations and/or restrictions on use
To follow: Not restricted
Directive 98/24/EC of 7 April 1998 on the protection of the health and safety of workers from the risks related to chemical agents at work
- 15.1.2 National regulations**
Germany: Water hazard class: Not hazardous (Self classification)
- 15.2 Chemical Safety Assessment**
A chemical safety assessment is not required under REACH.

16. SECTION 16: OTHER INFORMATION

The following sections contain revisions or new statements: V1.0

References: Existing Safety Data Sheet (SDS)

EU Classification: This Safety Data Sheet was prepared in accordance with EC Regulation (EC) 1907/2006 (REACH), 1272/2008 (CLP) & 2020/878

Legend

ADR	ADR: European Agreement concerning the International Carriage of Dangerous Goods by Road
CLP	Regulation (EC) No 1272/2008 on classification, labelling and packaging of substances and mixtures
DNEL	Derived no effect level
IATA	IATA: International Air Transport Association
ICAO	ICAO: International Civil Aviation Organization
IMDG	IMDG: International Maritime Dangerous Goods
LTEL	Long term exposure limit
PBT	PBT: Persistent, Bioaccumulative and Toxic
PNEC	Predicted No Effect Concentration

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REACH Registration, Evaluation, Authorisation and Restriction of Chemicals
RID RID: Regulations concerning the international railway transport of dangerous goods
STEL Short term exposure limit
vPvB vPvB: very Persistent and very Bioaccumulative

Hazard classification / Classification code:

Ox. Liq. 1; Oxidising liquid, Category 1
Acute Tox. 3; Acute toxicity, Category 3
Acute Tox. 2; Acute toxicity, Category 2
Skin Corr. 1B; Skin corrosion/irritation, Category 1B
Eye Dam. 1; Eye damage, category 1
STOT RE 2; Specific target organ toxicity — repeated exposure, Category 2
Aquatic Acute 1; Hazardous to the aquatic environment, acute, Category 1
Aquatic Chronic 3; Hazardous to the aquatic environment, Chronic, Category 3

Hazard Statement(s)

H271: May cause fire or explosion; strong oxidiser.
H301: Toxic if swallowed.
H310: Fatal in contact with skin.
H314: Causes severe skin burns and eye damage.
H318: Causes serious eye damage.
H373: May cause damage to organs through prolonged or repeated exposure.
H400: Very toxic to aquatic life.
H412: Harmful to aquatic life with long lasting effects.

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.

Disclaimers

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Annex to the extended Safety Data Sheet (eSDS)

Not applicable