

NEOASTRA DGCUW – WATER BASED DAYLIGHT FLUORESCENT CONCENTRATE FOR UNDERWATER USE

According to REACH Regulation (EC) No 1907/2006, as amended by UK REACH Regulations SI 2019/758 and SI 2020/1577

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

1.1 Product identifier

Product Name NEOASTRA DGCUW – WATER BASED DAYLIGHT FLUORESCENT
CONCENTRATE FOR UNDERWATER USE

1.2 Relevant identified uses of the substance or mixture and uses advised against

Identified Use(s) For use in the Magnetic Particle Inspection Process (BS EN ISO 9934-2). Dilution rate 10:1 with water.

Uses Advised Against Not known.

1.3 Details of the supplier of the safety data sheet

Company Identification Johnson and Allen Ltd
Address of Supplier Neocol Works
Smithfield
Sheffield
Postal code S3 7AR
Telephone 0114 2738066
Fax 0114 2729842
E-mail info@johnsonandallen.co.uk
Office hours 08:30 - 17:00

1.4 Emergency telephone number

Company 0114 2738066 (UK office hours 08.30-17.00)
NHS Direct +44 111

SECTION 2: HAZARDS IDENTIFICATION

2.1 Classification of the substance or mixture

GB CLP Regulation, UK SI 2019/720 and Eye Irrit. 2 :Causes serious eye irritation.
UK SI 2020/1567

2.2 Label elements

Product Name According to GB CLP Regulations, UK SI 2019/720 and UK SI 2020/1567
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CONCENTRATE FOR UNDERWATER USE

Hazard Pictogram(s)



GHS07

Signal Word(s)

Warning

Hazard Statement(s)

H319: Causes serious eye irritation.

Precautionary Statement(s)

P264: Wash hands and exposed skin thoroughly after handling.
P280: Wear protective gloves/protective clothing/eye protection/face protection.
P305+P351+P338: IF IN EYES: Rinse cautiously with water for several minutes.
Remove contact lenses, if present and easy to do. Continue rinsing.
P337+P313: If eye irritation persists: Get medical advice/attention.

2.3 Other hazards

None known.

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2.4 Additional Information

Dilution rates for use - 10 : 1 (demineralised water : DGCUW).

It is not classified as hazardous after dilution.

SECTION 3: COMPOSITION/INFORMATION ON INGREDIENTS

3.1 Substances

Not applicable.

3.2 Mixtures

HAZARDOUS INGREDIENT(S)	CAS No.	EC No. / Registration number(s)	%W/W	Hazard Statement(s)	Hazard Pictogram(s)
Alcohols, C11-14-iso-, C13-rich, ethoxylated	78330-21-9	616-609-5	1-<3	Acute Tox. 4 H302 Eye Dam. 1 H318	GHS05 GHS07

For full text of H/P Statements see section 16.

SECTION 4: FIRST AID MEASURES

4.1 Description of first aid measures

Inhalation	If breathing is difficult, remove victim to fresh air and keep at rest in a position comfortable for breathing. If symptoms persist, obtain medical attention.
Skin Contact	Wash with plenty of soap and water. Remove contaminated clothing and wash clothing before reuse. If symptoms persist, obtain medical attention.
Eye Contact	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	Wash out mouth with water. If symptoms persist, obtain medical attention.

4.2 Most important symptoms and effects, both acute and delayed

Eye Contact: Redness, Irritation, Pain.

4.3 Indication of any immediate medical attention and special treatment needed

Unlikely to be required but if necessary treat symptomatically.

SECTION 5: FIREFIGHTING MEASURES

5.1 Extinguishing media

Suitable Extinguishing media	As appropriate for surrounding fire.
Unsuitable extinguishing media	None known.

5.2 Special hazards arising from the substance or mixture

Decomposes in a fire giving off toxic fumes: Oxides of carbon.

5.3 Advice for firefighters

Fire fighters should wear complete protective clothing including self-contained breathing apparatus. Keep containers cool by spraying with water if exposed to fire.

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SECTION 6: ACCIDENTAL RELEASE MEASURES

6.1 Personal precautions, protective equipment and emergency procedures

Ensure adequate ventilation. Wear protective gloves/eye protection.

6.2 Environmental precautions

Do not release large quantities into the surface water or into drains.

6.3 Methods and material for containment and cleaning up

Adsorb spillages onto sand, earth or any suitable adsorbent material. Transfer to a container for disposal.

6.4 Reference to other sections

See Also Section 8, 13.

SECTION 7: HANDLING AND STORAGE

7.1 Precautions for safe handling

Provide adequate ventilation. Avoid contact with eyes. Wear protective gloves/protective clothing/eye protection/face protection. Wash hands and exposed skin thoroughly after handling.

7.2 Conditions for safe storage, including any incompatibilities

Keep in a cool, well ventilated place.

Storage temperature

Ambient.

Storage life

Stable under normal conditions.

Incompatible materials

Strong oxidising agents.

7.3 Specific end use(s)

For use in the Magnetic Particle Inspection Process (BS EN ISO 9934-2). Dilution rate 10:1 with water.

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/m³)	STEL (ppm)	STEL (mg/m³)	Note
						None assigned

Region

Source

United Kingdom

UK Workplace Exposure Limits EH40/2005 (Fourth edition, published 2020)

8.2 Exposure controls

8.2.1. Appropriate engineering controls

Ensure adequate ventilation. A washing facility/water for eye and skin cleaning purposes should be present.

8.2.2. Personal protection equipment



Eye Protection

Wear eye protection with side protection (EN166).

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Skin protection

Wear suitable gloves if prolonged skin contact is likely.

Breakthrough time of the glove material: refer to the information provided by the gloves' producer.



Respiratory protection

Normally no personal respiratory protection is necessary.



Thermal hazards

Not applicable.

8.2.3. Environmental Exposure Controls Do not release large quantities into the surface water or into drains.

SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES

9.1 Information on basic physical and chemical properties

Appearance	Liquid.
	Colour : Green (Shaken).
Odour	Barely perceptible odour.
Odour threshold	Not known.
pH	Not known.
Melting point/freezing point	Not known.
Initial boiling point and boiling range	Not known.
Flash Point	Not known.
Evaporation rate	Not known.
Flammability (solid, gas)	Not applicable.
Upper/lower flammability or explosive limits	Not known.
Vapour pressure	Not known.
Vapour density	Not known.
Density (g/ml)	Not known.
Relative density	Not known.
Solubility(ies)	Solubility (Water) : Soluble.
	Solubility (Other) : Not known.
Partition coefficient: n-octanol/water	Not known.
Auto-ignition temperature	Not known.
Decomposition Temperature (°C)	Not known.
Viscosity	Not known.
Explosive properties	Not explosive.
Oxidising properties	Not oxidising.

9.2 Other information

None.

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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

Heat and direct sunlight.

10.5 Incompatible materials

Strong oxidising agents.

10.6 Hazardous decomposition products

No hazardous decomposition products known.

SECTION 11: TOXICOLOGICAL INFORMATION

11.1 Information on toxicological effects

Acute toxicity - Ingestion

Calculation method : Not classified.

Low oral toxicity.

Calculation method : Calculated acute toxicity estimate (ATE) - 19230.77

Acute toxicity - Skin Contact

Calculation method : Not classified.

Low acute toxicity.

Acute toxicity - Inhalation

Calculation method : Not classified.

Low acute toxicity.

Skin corrosion/irritation

Calculation method : Not classified.

Non-irritant.

Serious eye damage/irritation

Calculation method : Causes serious eye irritation. No data.

Skin sensitization data

Calculation method : Not classified.

It is not a skin sensitiser.

Respiratory sensitization data

Calculation method : Not classified.

Germ cell mutagenicity

Calculation method : Not classified.

There is no evidence of mutagenic potential.

Carcinogenicity

Calculation method : Not classified.

No evidence of carcinogenicity.

Reproductive toxicity

Calculation method : Not classified.

No evidence of reproductive effects.

Lactation

Calculation method : Not classified.

STOT - single exposure

Calculation method : Not classified.

STOT - repeated exposure

Calculation method : Not classified.

Aspiration hazard

Calculation method : Not classified.

11.2 Other information

Not known.

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SECTION 12: ECOLOGICAL INFORMATION

- 12.1 Toxicity**
Low toxicity to aquatic organisms.
- 12.2 Persistence and degradability**
The product is biodegradable. Unlikely to persist.
- 12.3 Bioaccumulative potential**
The product has no potential for bioaccumulation.
- 12.4 Mobility in soil**
Soluble in water. The product may adsorb onto soils and sediments.
- 12.5 Results of PBT and vPvB assessment**
Not classified as PBT or vPvB.
- 12.6 Other adverse effects**
None known.

SECTION 13: DISPOSAL CONSIDERATIONS

- 13.1 Waste treatment methods**
Dispose of contents/container to: Licensed recycler. Refer to manufacturer for information on recovery/recycling. Do NOT landfill.
- 13.2 Additional Information**
Disposal should be in accordance with local, state or national legislation.

SECTION 14: TRANSPORT INFORMATION

Not classified as hazardous for transport.

- 14.1 UN number**
Not applicable
- 14.2 UN proper shipping name**
Not applicable
- 14.3 Transport hazard class(es)**
Not applicable
- 14.4 Packing group**
Not applicable
- 14.5 Environmental hazards**
Not classified as a Marine Pollutant.
- 14.6 Special precautions for user**
Not known
- 14.7 Transport in bulk according to Annex II of Marpol and the IBC Code**
Not known

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SECTION 15: REGULATORY INFORMATION

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

United Kingdom Regulations - Authorisations and/or Restrictions On Use

UK REACH Candidate List of Substances Not listed

of Very High Concern for Authorisation

UK REACH Authorisation List (Annex Not listed

XIV) list of substances subject to

authorisation

UK REACH Restrictions List (Annex XVII) Alcohols, C11-14-iso-, C13-rich, ethoxylated (78330-21-9)

Restrictions on the manufacture, placing

on the market and use of certain

dangerous substances, mixtures and

articles

UK REACH Rolling Action Plan (RAP) Not listed

The Persistent Organic Pollutants Not listed

Regulations 2007 (SI 2007/3106) as

amended

The Ozone-Depleting Substances and Not listed

Fluorinated Greenhouse Gases

(Amendment etc.) (EU Exit) Regulations

2019 (SI 2019/583)

The Prior Informed Consent (PIC) Not listed

Regulations concerning the export and

import of hazardous chemicals

SI2008/2108 as amended

European Regulations - Authorisations and/or Restrictions On Use

Community Rolling Action Plan (CoRAP) Not listed

15.2 Chemical Safety Assessment

United Kingdom Not applicable.

SECTION 16: OTHER INFORMATION

The following sections contain revisions or new statements:

1-16

LEGEND

Hazard Pictogram(s)



GHS07

GHS05: GHS: Corrosion

Hazard classification

Acute Tox. 4 : Acute toxicity, Category 4

Eye Dam. 1 : Serious eye damage/irritation, Category 1

Eye Irrit. 2 : Serious eye damage/irritation, Category 2

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Hazard Statement(s)	<p>H302: Harmful if swallowed.</p> <p>H318: Causes serious eye damage.</p> <p>H319: Causes serious eye irritation.</p>
Precautionary Statement(s)	<p>P264: Wash hands and exposed skin thoroughly after handling.</p> <p>P280: Wear protective gloves/protective clothing/eye protection/face protection.</p> <p>P305+P351+P338: IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.</p> <p>P337+P313: If eye irritation persists: Get medical advice/attention.</p>
Acronyms	<p>ATE : Acute Toxicity Estimate</p> <p>CAS : Chemical Abstracts Service</p> <p>DNEL : Derived No Effect Level</p> <p>EC : European Community</p> <p>EINECS : European Inventory of Existing Commercial Chemical Substances</p> <p>LTEL : Long term exposure limit</p> <p>PBT : Persistent, Bioaccumulative and Toxic</p> <p>PNEC : Predicted No Effect Concentration</p> <p>REACH : Registration, Evaluation, Authorisation and Restriction of Chemicals</p> <p>STEL : Short term exposure limit</p> <p>STOT : Specific Target Organ Toxicity</p> <p>vPvB : very Persistent and very Bioaccumulative</p>
Key literature references and sources for data used to compile the SDS	<p>GB CLP Regulation, UK SI 2019/720 and UK SI 2020/1567</p>
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