



NEOASTRA DGCUW – WATER BASED DAYLIGHT FLUORESCENT CONCENTRATE  
FOR UNDERWATER USE


## SAFETY DATA SHEET

ACCORDING TO EC-REGULATIONS 1907/2006 (REACH), 1272/2008 (CLP) & 453/2010

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

<b>1.1 Product identifier</b>	
Product Name	NEOASTRA DGCUW – WATER BASED DAYLIGHT FLUORESCENT CONCENTRATE FOR UNDERWATER USE.
CAS No.	Mixture.
EINECS No.	Mixture.
REACH Registration No.	None assigned.
<b>1.2 Relevant identified uses of the substance or mixture and uses advised against</b>	
Identified use(s)	For use in the Magnetic Particle Inspection Process (BS EN ISO 9934-2:2002). Dilution rate 15:1 with water.
Uses advised against	None known.
<b>1.3 Details of the supplier of the Safety Data Sheet</b>	
Company Identification	Johnson and Allen Ltd Neocol Works Smithfield Sheffield S3 7AR.
Telephone	0114 2738066
Fax	0114 2729842
E-Mail (competent person)	info@johnsonandallen.co.uk
<b>1.4 Emergency telephone number</b>	
Emergency Phone No.	0114 2738066 (UK office hours 08.30-17.00)

### 2. SECTION 2: HAZARDS IDENTIFICATION

<b>2.1 Classification of the substance or mixture</b>	
<b>2.1.1 Regulation (EC) No. 1272/2008 (CLP)</b>	Eye Irrit. 2; Causes serious eye irritation.
<b>2.1.2 Directive 67/548/EEC &amp; Directive 1999/45/EC</b>	Not classified as dangerous for supply/use.
<b>2.2 Label elements</b>	
<b>2.2.1 Label elements</b>	
Product Name	According to Regulation (EC) No. 1272/2008 (CLP) NEOASTRA DGCUW – WATER BASED DAYLIGHT FLUORESCENT CONCENTRATE FOR UNDERWATER USE.
Hazard Pictogram	
Signal word(s)	GHS07 Warning.
Hazard statement(s)	H319: Causes serious eye irritation.



## NEOASTRA DGCUW – WATER BASED DAYLIGHT FLUORESCENT CONCENTRATE FOR UNDERWATER USE

Precautionary statement(s)	<p>P264: Wash hands thoroughly after handling.  P280: Wear protective gloves/eye 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.</p>
<b>2.2.2 Label elements</b>	According to Directive 67/548/EEC & Directive 1999/45/EC
Product Name	NEOASTRA DGCUW – WATER BASED DAYLIGHT FLUORESCENT CONCENTRATE FOR UNDERWATER USE.
Hazard Symbol	None.
Risk Phrases	None.
Safety Phrases	None.
<b>2.3 Other hazards</b>	None.
<b>2.4 Additional Information</b>	For full text of H/P phrases see section 16.

### 3. SECTION 3: COMPOSITION/INFORMATION ON INGREDIENTS

#### 3.1 Mixtures

EC Classification No. 1272/2008

Hazardous ingredient(s)	%W/W	CAS No.	EC No.	REACH Registration No.	Hazard pictogram(s) and Hazard statement(s)
Iron	1-10	7439-89-6	231-096-4	None assigned	None
Polyoxyethylene (7) tridecyl ether	1-10	78330-21-9	None assigned	None assigned	GHS05, Eye Dam. 1; H318, GHS07, Acute Tox. 4; H302

EC Classification No. 67/548/EEC

Hazardous ingredient(s)	%W/W	CAS No.	EC No.	REACH Registration No.	EC Classification and Risk Phrases
Iron	1-10	7439-89-6	231-096-4	None assigned	None
Polyoxyethylene (7) tridecyl ether	1-10	78330-21-9	None assigned	None assigned	Xn; R22, Xi; R41

#### 3.2 Additional Information

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



## NEOASTRA DGCUW – WATER BASED DAYLIGHT FLUORESCENT CONCENTRATE FOR UNDERWATER USE

### 4. 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	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	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.

### 5. SECTION 5: FIRE-FIGHTING 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

Combustion products: Oxides of carbon.

#### 5.3 Advice for fire-fighters

Fire fighters should wear complete protective clothing including self-contained breathing apparatus.

### 6. 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

Absorb spillages onto sand, earth or any suitable adsorbent material. Transfer to a container for disposal. Wash the spillage area with water.

#### 6.4 Reference to other sections

See Also Section 8, 13.



## NEOASTRA DGCUW – WATER BASED DAYLIGHT FLUORESCENT CONCENTRATE FOR UNDERWATER USE




### 7. SECTION 7: HANDLING AND STORAGE

- |                                                                         |                                                                                                                                      |
|-------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------|
| <b>7.1 Precautions for safe handling</b>                                | Provide adequate ventilation. Avoid contact with eyes. Wear protective gloves/eye protection. Wash hands and exposed skin after use. |
| <b>7.2 Conditions for safe storage, including any incompatibilities</b> | Keep in a cool, well ventilated place.                                                                                               |
| Storage Temperature                                                     | Ambient.                                                                                                                             |
| Storage Life                                                            | Stable under normal conditions.                                                                                                      |
| Incompatible materials                                                  | Strong oxidising agents.                                                                                                             |
| <b>7.3 Specific end use(s)</b>                                          | For use in the Magnetic Particle Inspection Process (BS EN ISO 9934-2:2002). Dilution rate 15:1 with water.                          |

### 8. SECTION 8: EXPOSURE CONTROLS/PERSONAL PROTECTION

- 8.1 Control parameters**  
**8.1.1 Occupational Exposure Limits**

SUBSTANCE	CAS No.	LTCL (8 hr TWA ppm)	LTCL (8 hr TWA mg/m <sup>3</sup> )	STEL (ppm)	STEL (mg/m <sup>3</sup> )	Note
Not established						

- |                                                                                                                                 |                                                                                           |
|---------------------------------------------------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------------|
| <b>8.1.2 Biological limit value</b>                                                                                             | Not established.                                                                          |
| <b>8.1.3 PNECs and DNELs</b>                                                                                                    | Not established.                                                                          |
| <b>8.2 Exposure controls</b>                                                                                                    |                                                                                           |
| <b>8.2.1 Appropriate engineering controls</b>                                                                                   | Provide adequate ventilation.                                                             |
| <b>8.2.2 Personal protection equipment</b>                                                                                      |                                                                                           |
| Eye/face protection<br>                      | Wear eye protection with side protection (EN166).                                         |
| Skin protection (Hand protection/ Other)<br> | Wear suitable gloves.                                                                     |
| Respiratory protection<br>                   | Not normally required.                                                                    |
| Thermal hazards<br><b>8.2.3 Environmental Exposure Controls</b>                                                                 | Not applicable.<br>Do not release large quantities into the surface water or into drains. |



## NEOASTRA DGCUW – WATER BASED DAYLIGHT FLUORESCENT CONCENTRATE FOR UNDERWATER USE

### 9. SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES

<b>9.1 Information on basic physical and chemical properties</b>	
Appearance	Liquid.
Colour	Green (Shaken).
Odour	Barely perceptible odour.
Odour Threshold (ppm)	Not established.
pH (Value)	Not available.
Melting Point (°C)	Not available.
Boiling Point (°C)	Not available.
Flash Point (°C)	Not applicable.
Evaporation rate	Not applicable.
Flammability	Non-flammable.
Explosive limit ranges	Not applicable.
Vapour Pressure (mm Hg)	Not applicable.
Vapour Density (Air=1)	Not available.
Density (g/ml) @ 20°C	Not available.
Specific Gravity	Not available.
Solubility (Water)	Soluble.
Solubility (Other)	Not available.
Partition Coefficient (n-Octanol/water)	Not available.
Auto Ignition Temperature (°C)	Not applicable.
Decomposition Temperature (°C)	Not available.
Kinematic Viscosity	Not available.
Explosive properties	Not available.
Oxidising properties	No information available.
<b>9.2 Other information</b>	None.

### 10. SECTION 10: STABILITY AND REACTIVITY

<b>10.1 Reactivity</b>	Stable under normal conditions.
<b>10.2 Chemical stability</b>	Stable under normal conditions.
<b>10.3 Possibility of hazardous reactions</b>	Stable under normal conditions.
<b>10.4 Conditions to avoid</b>	None known.
<b>10.5 Incompatible materials</b>	Strong oxidising agents.
<b>10.6 Hazardous Decomposition Product(s)</b>	Combustion products: Oxides of carbon.

### 11. SECTION 11: TOXICOLOGICAL INFORMATION

<b>11.1 Information on toxicological effects</b>	
<b>11.1.1 Mixtures</b>	
Acute toxicity	Low acute toxicity.
Irritation	Eye Irrit. 2; Causes serious eye irritation.
Corrosivity	Not classified.
Sensitisation	It is not a skin sensitiser.
Repeated dose toxicity	There is no evidence of mutagenic potential.
Carcinogenicity	No evidence of carcinogenicity.
Mutagenicity	None anticipated.
Toxicity for reproduction	Not classified.
<b>11.2 Other information</b>	None.



## NEOASTRA DGCUW – WATER BASED DAYLIGHT FLUORESCENT CONCENTRATE FOR UNDERWATER USE

### 12. SECTION 12: ECOLOGICAL INFORMATION

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

### 13. SECTION 13: DISPOSAL CONSIDERATIONS

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

### 14. SECTION 14: TRANSPORT INFORMATION

Not classified as dangerous for transport.

14.1	<b>UN number</b>	Not applicable.
14.2	<b>UN Proper Shipping Name</b>	Not applicable.
14.3	<b>Transport hazard class(es)</b>	Not applicable.
14.4	<b>Packing Group</b>	Not applicable.
14.5	<b>Environmental hazards</b>	Not applicable.
14.6	<b>Special precautions for user</b>	Not applicable.
14.7	<b>Transport in bulk according to Annex II of MARPOL73/78 and the IBC Code</b>	Not applicable.

### 15. SECTION 15: REGULATORY INFORMATION

15.1	<b>Safety, health and environmental regulations/legislation specific for the substance or mixture</b>	
15.1.1	<b>EU regulations</b>	
	Authorisations and/or restrictions on use	None known.
15.1.2	<b>National regulations</b>	None known.
15.2	<b>Chemical Safety Assessment</b>	Not available.



## NEOASTRA DGCUW – WATER BASED DAYLIGHT FLUORESCENT CONCENTRATE FOR UNDERWATER USE

### 16. SECTION 16: OTHER INFORMATION

The following sections contain revisions or new statements: 1-16.

#### LEGEND

LTEL	Long Term Exposure Limit
STEL	Short Term Exposure Limit
DNEL	Derived No Effect Level
PNEC	Predicted No Effect Concentration
PBT	Persistent, Bioaccumulative and Toxic
vPvB	very Persistent and very Bioaccumulative
Eye Dam. 1	Serious eye damage/irritation Category 1
Eye Irrit. 2	Serious eye damage/irritation Category 2
Acute Tox. 4	Acute toxicity Category 4
Xn	Harmful
Xi	Irritant

#### Risk Phrases

R22	Harmful if swallowed.
R41	Risk of serious damage to eyes.

#### Hazard statement(s)

H302	Harmful if swallowed.
H318	Causes serious eye damage.

#### Hazard pictogram(s)

GHS05



GHS07



#### Disclaimers

Information contained in this publication or as otherwise supplied to Users is believed to be accurate and is given in good faith, but it is for the Users to satisfy themselves of the suitability of the product for their own particular purpose. Johnson and Allen Ltd gives no warranty as to the fitness of the product for any particular purpose and any implied warranty or condition (statutory or otherwise) is excluded except to the extent that exclusion is prevented by law. Johnson and Allen Ltd accepts no liability for loss or damage (other than that arising from death or personal injury caused by defective product, if proved), resulting from reliance on this information. Freedom under Patents, Copyright and Designs cannot be assumed.

#### Annex to the extended Safety Data Sheet (eSDS)

No information available.