

NEOASTRA DGCW - WATER BASED DAYLIGHT FLUORESCENT CONCENTRATE


## SAFETY DATA SHEET

ACCORDING TO EC-REGULATIONS 1907/2006 (REACH), 1272/2008 (CLP) & 2015/830

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

<b>1.1 Product identifier</b>	Product Name	NEOASTRA DGCW - WATER BASED DAYLIGHT FLUORESCENT CONCENTRATE.
	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). Dilution rate 50:1 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>	Company	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>Regulation (EC) No. 1272/2008 (CLP)</b>	Eye Irrit. 2; Causes serious eye irritation. Skin Irrit. 2; Causes skin irritation.
<b>2.2 Label elements</b>	Product Name	According to Regulation (EC) No. 1272/2008 (CLP) NEOASTRA DGCW - WATER BASED DAYLIGHT FLUORESCENT CONCENTRATE.
	Hazard Pictogram	
	Signal word(s)	GHS07 Warning.
	Hazard statement(s)	H315: Causes skin irritation. H319: Causes serious eye irritation.

## NEOASTRA DGCW - WATER BASED DAYLIGHT FLUORESCENT CONCENTRATE

### Precautionary statement(s)

P280: Wear protective gloves/eye protection.  
 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.  
 P332+P313: If skin irritation occurs: Get medical advice/attention.  
 P337+P313: If eye irritation persists: Get medical advice/attention.  
 P362+P364: Take off contaminated clothing and wash it before reuse.

### 2.3 Other hazards

None.

### 2.4 Additional Information

Dilution rates for use - 50 : 1 (demineralised water : DGCW).  
 It is not classified as hazardous after dilution.

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

### 3.1 Substances

Not applicable.

### 3.2 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)
Alcohols, C11-14-iso-, C13-rich, ethoxylated	1 – 10	78330-21-9	616-609-5	None assigned	GHS05, Eye Dam. 1; H318, GHS07, Acute Tox. 4; H302
2-aminoethanol; ethanolamine	1 - 10	141-43-5	205-483-3	01-2119486455-28-XXXX	GHS05, Skin Corr. 1B; H314, GHS07, Acute Tox. 4; H302, Acute Tox. 4; H312, Acute Tox. 4; H332

### 3.3 Additional Information

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

## 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 water. Take off contaminated clothing and

## NEOASTRA DGCW - WATER BASED DAYLIGHT FLUORESCENT CONCENTRATE

	wash it before reuse. If skin irritation occurs: Get medical advice/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.
<b>4.2 Most important symptoms and effects, both acute and delayed</b>	Skin Contact: Irritation. Eye Contact: Redness, Irritation, Pain.
<b>4.3 Indication of any immediate medical attention and special treatment needed</b>	Unlikely to be required but if necessary treat symptomatically.

### 5. SECTION 5: FIRE-FIGHTING MEASURES

<b>5.1 Extinguishing Media</b>	
Suitable Extinguishing Media	Extinguish preferably with foam, carbon dioxide or dry chemical.
Unsuitable Extinguishing Media	None known.
<b>5.2 Special hazards arising from the substance or mixture</b>	Toxic fumes may be produced in a fire.
<b>5.3 Advice for fire-fighters</b>	Fire fighters should wear complete protective clothing including self-contained breathing apparatus. Keep containers cool by spraying with water if exposed to fire.

### 6. SECTION 6: ACCIDENTAL RELEASE MEASURES

<b>6.1 Personal precautions, protective equipment and emergency procedures</b>	Ensure adequate ventilation. Wear protective gloves/eye protection.
<b>6.2 Environmental precautions</b>	Do not release large quantities into the surface water or into drains.
<b>6.3 Methods and material for containment and cleaning up</b>	Absorb spillages onto sand, earth or any suitable adsorbent material. Transfer to a container for disposal. Wash the spillage area with water.
<b>6.4 Reference to other sections</b>	See Also Section 8, 13.

### 7. SECTION 7: HANDLING AND STORAGE

<b>7.1 Precautions for safe handling</b>	Provide adequate ventilation. Avoid contact with skin and 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	Nitrates, Oxidizing agents.
<b>7.3 Specific end use(s)</b>	For use in the Magnetic Particle Inspection Process (BS EN ISO 9934-2). Dilution rate 50:1 with water.

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




<b>8.1 Control parameters</b>	
<b>8.1.1 Occupational Exposure Limits</b>	

## NEOASTRA DGCW - WATER BASED DAYLIGHT FLUORESCENT CONCENTRATE

SUBSTANCE	CAS No.	LTEL (8 hr TWA ppm)	LTEL (8 hr TWA mg/m <sup>3</sup> )	STEL (ppm)	STEL (mg/m <sup>3</sup> )	Note
2-Aminoethanol	141-43-5	1	2.5	3	7.6	Sk

Region  
Europe  
United Kingdom  
Sk

Source  
EU Occupational Exposure Limits  
Workplace Exposure Limits (WEL)  
Can be absorbed through the skin. The assigned substances are those for which there are concerns that dermal absorption will lead to systemic toxicity.

<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	Wear eye protection with side protection (EN166).
	
Skin protection (Hand protection/ Other)	Wear suitable gloves. Wear: Nitrile rubber.
	
Respiratory protection	Not normally required.
	
Thermal hazards	Not applicable.
<b>8.2.3 Environmental Exposure Controls</b>	Do not release large quantities into the surface water or into drains.

## 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	Not established.
pH	Not available.
Melting Point/Freezing Point	Not available.
Initial boiling point and boiling range	Not available.
Flash point	Not available.
Evaporation rate	Not applicable.
Flammability (solid, gas)	Non-flammable.
Upper/lower flammability or explosive limits	Not applicable.
Vapour pressure	Not applicable.
Vapour density	Not available.

## NEOASTRA DGCW - WATER BASED DAYLIGHT FLUORESCENT CONCENTRATE

Relative density	Not available.
Solubility(ies)	Soluble.
Partition coefficient: n-octanol/water	Not available.
Auto-ignition temperature	Not applicable.
Decomposition Temperature	Not available.
Kinematic Viscosity	Viscous.
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>	No hazardous reactions known if used for its intended purpose.
<b>10.4 Conditions to avoid</b>	Heat and direct sunlight.
<b>10.5 Incompatible materials</b>	Nitrates, Oxidizing agents.
<b>10.6 Hazardous Decomposition Product(s)</b>	No hazardous decomposition products known.

### 11. SECTION 11: TOXICOLOGICAL INFORMATION

<b>11.1 Information on toxicological effects</b>	
<b>Acute toxicity</b>	Low acute toxicity.
<b>Skin corrosion/irritation</b>	Causes skin irritation.
<b>Serious eye damage/irritation</b>	Causes serious eye irritation.
<b>Respiratory or skin sensitisation</b>	It is not a skin sensitiser.
<b>Germ cell mutagenicity</b>	There is no evidence of mutagenic potential.
<b>Carcinogenicity</b>	No evidence of carcinogenicity.
<b>Reproductive toxicity</b>	Not classified.
<b>STOT - single exposure</b>	None anticipated.
<b>STOT - repeated exposure</b>	None anticipated.
<b>Aspiration hazard</b>	Not classified.
<b>11.2 Other information</b>	None.

### 12. SECTION 12: ECOLOGICAL INFORMATION

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

### 13. SECTION 13: DISPOSAL CONSIDERATIONS

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

## NEOASTRA DGCW - WATER BASED DAYLIGHT FLUORESCENT CONCENTRATE

### 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>	
	<b>Authorisations and/or restrictions on use</b>	
	Candidate List of Substances of Very High Concern for Authorisation	All chemicals are not listed.
	REACH: Annex XVII Restrictions on the manufacture, placing on the market and use of certain dangerous substances, mixtures and articles	All chemicals are not listed.
	REACH: ANNEX XIV list of substances subject to authorisation	All chemicals are not listed.
	Community Rolling Action Plan (CoRAP)	Listed: 2-aminoethanol (141-43-5)
15.1.2	<b>National regulations</b>	None known.
15.2	<b>Chemical Safety Assessment</b>	Not applicable.

### 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
Acute Tox. 4	Acute toxicity Category 4
Eye Dam. 1	Serious eye damage/irritation Category 1
Skin Corr. 1B	Skin corrosion/irritation Category 1B
Skin Irrit. 2	Skin corrosion/irritation Category 2
Eye Irrit. 2	Serious eye damage/irritation Category 2

#### Hazard statement(s)

H302	Harmful if swallowed.
H312	Harmful in contact with skin.
H314	Causes severe skin burns and eye damage.

## NEOASTRA DGCW - WATER BASED DAYLIGHT FLUORESCENT CONCENTRATE

H318 Causes serious eye damage.

H332 Harmful if inhaled.

### Precautionary Statement(s)

P264 Wash hands and exposed skin thoroughly after handling.

### 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)

Not applicable.