



NEOASTRA DGCW - WATER BASED DAYLIGHT FLUORESCENT CONCENTRATE

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

1.1 Product identifier	
Product Name	NEOASTRA DGCW - WATER BASED DAYLIGHT FLUORESCENT CONCENTRATE.
CAS No.	Mixture.
EINECS No.	Mixture.
REACH Registration No.	None assigned.
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 9934-2:2002). Dilution rate 50:1 with water.
Uses advised against	None known.
1.3 Details of the supplier of the Safety Data Sheet	
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
1.4 Emergency telephone number	
Emergency Phone No.	0114 2738066 (UK office hours 08.30-17.00)

2. SECTION 2: HAZARDS IDENTIFICATION

2.1 Classification of the substance or mixture	
2.1.1 Regulation (EC) No. 1272/2008 (CLP)	Eye Irrit. 2; Causes serious eye irritation.
2.1.2 Directive 67/548/EEC & Directive 1999/45/EC	Not classified as dangerous for supply/use.
2.2 Label elements	
2.2.1 Label elements	
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)	H319: Causes serious eye irritation.



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Precautionary statement(s)

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.

2.2.2 Label elements

Product Name

According to Directive 67/548/EEC & Directive 1999/45/EC
 NEOASTRA DGCW - WATER BASED DAYLIGHT
 FLUORESCENT CONCENTRATE.

Hazard Symbol

None.

Risk Phrases

None.

Safety Phrases

None.

2.3 Other hazards

None.

2.4 Additional Information

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	7438-89-6	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	7438-89-6	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.

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.



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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	Skin Contact: Irritation. 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	Extinguish preferably with foam, carbon dioxide or dry chemical.
Unsuitable Extinguishing Media	None known.
5.2 Special hazards arising from the substance or mixture	Toxic fumes may be produced in a fire.
5.3 Advice for fire-fighters	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

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.

7. SECTION 7: HANDLING AND STORAGE

7.1 Precautions for safe handling	Provide adequate ventilation. Avoid contact with eyes. Wear protective gloves/eye protection. Wash hands and exposed skin after use.
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	Nitrates, Oxidizing agents.
7.3 Specific end use(s)	For use in the Magnetic Particle Inspection Process (BS EN ISO 9934-2:2002). Dilution rate 50:1 with water.






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8. 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/m ³)	STEL (ppm)	STEL (mg/m ³)	Note
Not established						

- 8.1.2 Biological limit value Not established.
- 8.1.3 PNECs and DNELs Not established.
- 8.2 Exposure controls
 - 8.2.1 Appropriate engineering controls Provide adequate ventilation.
 - 8.2.2 Personal protection equipment
 - 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.
- 8.2.3 Environmental Exposure Controls Do not release large quantities into the surface water or into drains.

9. 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 (ppm) Not established.
 - pH (Value) Not available.
 - Melting Point (°C) Not available.
 - Boiling Point (°C) Not available.
 - Flash Point (°C) Not available.
 - 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.



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	Auto Ignition Temperature (°C)	Not applicable.
	Decomposition Temperature (°C)	Not available.
	Kinematic Viscosity	Viscous.
	Explosive properties	Not available.
	Oxidising properties	No information available.
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	Stable under normal conditions.
10.4	Conditions to avoid	Heat and direct sunlight.
10.5	Incompatible materials	Nitrates, Oxidizing agents.
10.6	Hazardous Decomposition Product(s)	None known.

11. SECTION 11: TOXICOLOGICAL INFORMATION

11.1	Information on toxicological effects	
11.1.1	Mixtures	
	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	None anticipated.
	Carcinogenicity	No evidence of carcinogenicity.
	Mutagenicity	There is no evidence of mutagenic potential.
	Toxicity for reproduction	None anticipated.
11.2	Other information	None.

12. 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	The product is soluble in water. The product is predicted to have high mobility in soil.
12.5	Results of PBT and VPVB assessment	Not classified as PBT or vPvB.
12.6	Other adverse effects	None.

13. 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.



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14. SECTION 14: TRANSPORT INFORMATION

Not classified as dangerous 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 applicable.
14.6	Special precautions for user	Not applicable.
14.7	Transport in bulk according to Annex II of MARPOL73/78 and the IBC Code	Not applicable.

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	None known.
15.1.2	National regulations	None known.
15.2	Chemical Safety Assessment	Not available.

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



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Hazard pictogram(s) and Hazard Symbol

GHS05



Xn



GHS07



Xi



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Annex to the extended Safety Data Sheet (eSDS)

No information available.