

NEOASTRA DGCUW – WATER BASED DAYLIGHT FLUORESCENT CONCENTRATE
FOR UNDERWATER USE


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

| | |
|--|--|
| 1.1 Product identifier | |
| Product Name | NEOASTRA DGCUW – WATER BASED DAYLIGHT FLUORESCENT CONCENTRATE FOR UNDERWATER USE. |
| 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). Dilution rate 10:1 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 | |
| Company | 0114 2738066 (UK office hours 08.30-17.00) |

2. SECTION 2: HAZARDS IDENTIFICATION

| | |
|---|---|
| 2.1 Classification of the substance or mixture | |
| Regulation (EC) No. 1272/2008 (CLP) | Eye Irrit. 2; Causes serious eye irritation. |
| 2.2 Label elements | |
| 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. |
| 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 |

NEOASTRA DGCUW – WATER BASED DAYLIGHT FLUORESCENT CONCENTRATE FOR UNDERWATER USE

easy to do. Continue rinsing.

P337+P313: If eye irritation persists: Get medical advice/attention.

2.3 Other hazards

None.

2.4 Additional Information

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

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 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.

5. SECTION 5: FIRE-FIGHTING MEASURES

5.1 Extinguishing Media

Suitable Extinguishing Media
Unsuitable Extinguishing Media

As appropriate for surrounding fire.
None known.

NEOASTRA DGCUW – WATER BASED DAYLIGHT FLUORESCENT CONCENTRATE FOR UNDERWATER USE

- 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** Adsorb 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 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.

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.

NEOASTRA DGCUW – WATER BASED DAYLIGHT FLUORESCENT CONCENTRATE FOR UNDERWATER USE



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 | Not established. |
| pH | Not available. |
| Melting Point/Freezing Point | Not available. |
| Initial boiling point and boiling range | Not available. |
| Flash point | Not applicable. |
| 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. |
| 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 | Not available. |
| 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 | No hazardous reactions known if used for its intended purpose. |
| 10.4 Conditions to avoid | None known. |
| 10.5 Incompatible materials | Strong oxidising agents. |
| 10.6 Hazardous Decomposition Product(s) | No hazardous decomposition products known. |

11. SECTION 11: TOXICOLOGICAL INFORMATION

11.1 Information on toxicological effects

NEOASTRA DGCUW – WATER BASED DAYLIGHT FLUORESCENT CONCENTRATE FOR UNDERWATER USE

| | |
|--|--|
| Acute toxicity | Low acute toxicity. |
| Skin corrosion/irritation | Not classified. |
| Serious eye damage/irritation | Causes serious eye irritation. |
| Respiratory or skin sensitisation | It is not a skin sensitiser. |
| Germ cell mutagenicity | There is no evidence of mutagenic potential. |
| Carcinogenicity | No evidence of carcinogenicity. |
| Reproductive toxicity | Not classified. |
| STOT - single exposure | None anticipated. |
| STOT - repeated exposure | None anticipated. |
| Aspiration hazard | Not classified. |
| 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 | 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. |

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. |

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 | |
| Candidate List of Substances of Very High Concern for Authorisation | All chemicals are not listed. |
| REACH: Annex XVII Restrictions on the | All chemicals are not listed. |

NEOASTRA DGCUW – WATER BASED DAYLIGHT FLUORESCENT CONCENTRATE FOR UNDERWATER USE

| | |
|---|-------------------------------|
| manufacture, placing on the market and use of certain dangerous substances, mixtures and articles | |
| REACH: ANNEX XIV list of substances subject to authorisation | All chemicals are not listed. |
| Community Rolling Action Plan (CoRAP) | All chemicals are not listed. |
| 15.1.2 National regulations | None known. |
| 15.2 Chemical Safety Assessment | 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 |
| 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 |

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)



NEOASTRA DGCUW – WATER BASED DAYLIGHT FLUORESCENT CONCENTRATE
FOR UNDERWATER USE

Not applicable.