



NEON W/W - BULK




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	NEON W/W – BULK.
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)	A Water Washable or Solvent Removable Fluorescent Dye Penetrant for use in the Dye Penetrant Inspection process BS EN ISO 571-1: 1997 (BS EN ISO 3452-2:2006)(AMS 2644, Type 1, Method A, Level 2).
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)	Skin Irrit. 2; Causes skin irritation. Eye Dam. 1; Causes serious eye damage. Asp. Tox. 1; May be fatal if swallowed and enters airways. Aquatic Chronic 2; Toxic to aquatic life with long lasting effects.
2.1.2 Directive 67/548/EEC & Directive 1999/45/EC	Xi; Irritating to skin. Risk of serious damage to eyes. Xn; Harmful: may cause lung damage if swallowed. N; Toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment.
2.2 Label elements	
Product Name	According to Regulation (EC) No. 1272/2008 (CLP)
Hazard Pictogram	NEON W/W – BULK.
	  
Signal word(s)	GHS05 GHS08 GHS09 Danger.



NEON W/W - BULK

Hazard statement(s)

H304: May be fatal if swallowed and enters airways.

H315: Causes skin irritation.

H318: Causes serious eye damage.

H411: Toxic to aquatic life with long lasting effects.

Precautionary statement(s)

P273: Avoid release to the environment.

P280: Wear protective gloves/protective clothing/eye protection/face protection.

P331: Do NOT induce vomiting.

P301+P310: IF SWALLOWED: Immediately call a POISON CENTER/doctor.

P302+P352: IF ON SKIN: Wash with plenty of water/soap.

P305+P351+P338: IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.

None.

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

2.3 Other hazards

2.4 Additional Information

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)
Distillates (petroleum), hydrotreated middle; Gasoil - unspecified	25-50	64742-46-7	265-148-2	None assigned	GHS08, Asp. Tox. 1; H304
Alcohols, C12-18, ethoxylated and propoxylated	10-25	69227-21-0	500-242-1	None assigned	GHS05, Eye Dam. 1; H318, GHS09, Aquatic Chronic 2; H411
2-(2-butoxyethoxy)ethanol; diethylene glycol monobutyl ether	10-20	112-34-5	203-961-6	None assigned	GHS07, Eye Irrit. 2; H319
Nonylphenol, branched, ethoxylated	10-20	68412-54-4	500-209-1	None assigned	GHS07, Skin Irrit. 2; H315, Eye Irrit. 2; H319, GHS09, Aquatic Chronic 2; H411
Alcohols, C11-14-iso-, C13-rich	2.5-10	68526-86-3	271-235-6	None assigned	GHS09, Aquatic Acute 1; H400
Ethoxylated Secondary Alcohols (C11-15)	2.5-5	68131-40-8	None assigned	None assigned	GHS05, Eye Dam. 1; H318, GHS07, Skin Irrit. 2; H315
1H-Imidazole-1-ethanol, 4,5-dihydro-, 2-C15-17-unsatd. Alkyl derivs	0.1-0.25	68937-01-9	273-051-1	None assigned	GHS05, Skin Corr. 1B; H314, GHS07, Acute Tox. 4; H302, GHS09, Aquatic Chronic 1; H410



NEON W/W - BULK

EC Classification No. 67/548/EEC

Hazardous ingredient(s)	%W/W	CAS No.	EC No.	REACH Registration No.	EC Classification and Risk Phrases
Distillates (petroleum), hydrotreated middle; Gasoil - unspecified	25-50	64742-46-7	265-148-2	None assigned	Xn; R65
Alcohols, C12-18, ethoxylated and propoxylated	10-25	69227-21-0	500-242-1	None assigned	Xi; R41, N; R51/53
2-(2-butoxyethoxy)ethanol; diethylene glycol monobutyl ether	10-20	112-34-5	203-961-6	None assigned	Xi; R36
Nonylphenol, branched, ethoxylated	10-20	68412-54-4	500-209-1	None assigned	Xi; R36/38, N; R51/53
Alcohols, C11-14-iso-, C13-rich	2.5-10	68526-86-3	271-235-6	None assigned	N; R50
Ethoxylated Secondary Alcohols (C11-15)	2.5-5	68131-40-8	None assigned	None assigned	Xi; R38, R41
1H-Imidazole-1-ethanol, 4,5-dihydro-, 2-C15-17-unsatd. Alkyl derivs	0.1-0.25	68937-01-9	273-051-1	None assigned	C; R34, Xn; R22, N; R50/53

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

Unlikely route of exposure. 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

IF ON SKIN: Wash with plenty of water/soap. Take off contaminated clothing and wash before reuse. If skin irritation occurs: Get medical advice/attention.

Eye Contact

IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. Immediately call a POISON CENTER/doctor.

Ingestion

IF SWALLOWED: Do NOT induce vomiting. Immediately call a POISON CENTER/doctor.

4.2 Most important symptoms and effects, both acute and delayed

Aspiration into the lungs may cause chemical pneumonitis, which can be fatal.

4.3 Indication of any immediate medical attention and special treatment needed

Unlikely to be required but if necessary treat symptomatically.



NEON W/W - BULK

5. SECTION 5: FIRE-FIGHTING MEASURES

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|--|---|
| <p>5.1 Extinguishing Media
Suitable Extinguishing Media</p> <p>Unsuitable Extinguishing Media</p> | <p>Extinguish with carbon dioxide, dry chemical, foam or waterspray.</p> <p>Water jet spray.</p> |
| <p>5.2 Special hazards arising from the substance or mixture</p> | <p>Decomposes in a fire giving off toxic fumes: Carbon monoxide, Carbon dioxide.</p> |
| <p>5.3 Advice for fire-fighters</p> | <p>Fire fighters should wear complete protective clothing including self-contained breathing apparatus. Keep containers cool by spraying with water if exposed to fire.</p> |

6. SECTION 6: ACCIDENTAL RELEASE MEASURES

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|---|--|
| <p>6.1 Personal precautions, protective equipment and emergency procedures</p> | <p>Ensure adequate ventilation. Wear protective gloves/protective clothing/eye protection/face protection.</p> |
| <p>6.2 Environmental precautions</p> | <p>Avoid release to the environment.</p> |
| <p>6.3 Methods and material for containment and cleaning up</p> | <p>Absorb spillages onto sand, earth or any suitable adsorbent material. Collect spillage. Transfer to a container for disposal.</p> |
| <p>6.4 Reference to other sections</p> | <p>See Also Section 8, 13.</p> |

7. SECTION 7: HANDLING AND STORAGE

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|---|--|
| <p>7.1 Precautions for safe handling</p> | <p>Provide adequate ventilation. Wear protective gloves/protective clothing/eye protection/face protection. See Section: 8. Wash hands thoroughly after handling.</p> |
| <p>7.2 Conditions for safe storage, including any incompatibilities</p> <p>Storage Temperature</p> <p>Storage Life</p> <p>Incompatible materials</p> | <p>Store locked up. Keep in a cool, well ventilated place.</p> <p>5 – 40°C</p> <p>Stable under normal conditions.</p> <p>Strong oxidising agents, Acids.</p> |
| <p>7.3 Specific end use(s)</p> | <p>A Water Washable or Solvent Removable Fluorescent Dye Penetrant for use in the Dye Penetrant Inspection process BS EN ISO 571-1: 1997 (BS EN ISO 3452-2:2006)(AMS 2644, Type 1, Method A, Level 2).</p> |

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:
2-(2-butoxyethoxy)ethanol; diethylene glycol monobutyl ether	112-34-5	10	67.5	15	101.2	WEL

WEL: Workplace Exposure Limit (UK HSE EH40)

- | | |
|--|-------------------------|
| <p>8.1.2 Biological limit value</p> | <p>Not established.</p> |
| <p>8.1.3 PNECs and DNELs</p> | <p>Not established.</p> |



NEON W/W - BULK

8.2 Exposure controls	
8.2.1 Appropriate engineering controls	Provide adequate ventilation. A washing facility/water for eye and skin cleaning purposes should be present.
8.2.2 Personal protection equipment	
Eye/face protection	Wear protective eye glasses for protection against liquid splashes. Wear eye protection with side protection (EN166).
	
Skin protection (Hand protection/ Other)	Wear impervious gloves (EN374). Wear: Neoprene, Butyl rubber, Nitrile rubber.
	
Respiratory protection	Not normally required. Where engineering controls are not fitted or inadequate wear suitable respiratory protective equipment. Filter type: A-P2.
	
Thermal hazards	Not applicable.
8.2.3 Environmental Exposure Controls	Avoid release to the environment.

9. SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES

9.1 Information on basic physical and chemical properties	
Appearance	Liquid.
Colour	Yellow - Green.
Odour	Hydrocarbon like.
Odour Threshold (ppm)	Not available.
pH (Value)	Not applicable.
Melting Point (°C)	Not available.
Boiling Point (°C)	230°C
Flash Point (°C)	>100°C
Evaporation rate	Not applicable.
Flammability	Non-flammable.
Explosive limit ranges	Not applicable.
Vapour Pressure (mm Hg) @ 20°C	<0.015mm Hg
Vapour Density (Air=1)	Not available.
Density (g/ml) @ 20°C	0.9g/ml
Specific Gravity @ 20°C	0.86g/cm ³
Solubility (Water)	Practically insoluble.
Solubility (Other)	Not available.
Partition Coefficient (n-Octanol/water)	Not available.
Auto Ignition Temperature (°C)	>200°C
Decomposition Temperature (°C)	Not available.
Kinematic Viscosity	Not applicable.
Viscosity (mPa. s) @ 40°C	8mPa*s
Explosive properties	Not explosive.
Oxidising properties	Not oxidising.
9.2 Other information	None.



NEON W/W - BULK

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	Strong oxidising agents, Acids.
10.6	Hazardous Decomposition Product(s)	Carbon monoxide, Carbon dioxide.

11. SECTION 11: TOXICOLOGICAL INFORMATION

11.1	Information on toxicological effects	
11.1.1	Mixtures	
	Acute toxicity	Low acute toxicity.
	Irritation	Causes skin irritation.
	Corrosivity	Causes serious eye damage.
	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.
	Aspiration hazard	May be fatal if swallowed and enters airways.
11.2	Other information	None.

12. SECTION 12: ECOLOGICAL INFORMATION

The following information is based on a consideration of the properties of the main components of this mixture.

12.1	Toxicity	Toxic to aquatic life with long lasting effects.
12.2	Persistence and degradability	Part of the components are poorly biodegradable.
12.3	Bioaccumulative potential	The product has potential for bioaccumulation.
12.4	Mobility in soil	Practically insoluble. The product is predicted to have low mobility in soil.
12.5	Results of PBT and VPVB assessment	No information available.
12.6	Other adverse effects	None.

13. SECTION 13: DISPOSAL CONSIDERATIONS

13.1	Waste treatment methods	Washings can be treated with a filtration system before draining to waste. Permission must be obtained from the appropriate Local Authority before disposing of waste material.
13.2	Additional Information	Dispose of contents/container to: Suitable incineration plant. Disposal should be in accordance with local, state or national legislation.

14. SECTION 14: TRANSPORT INFORMATION

14.1	UN number	UN 3082
14.2	UN Proper Shipping Name	ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S. (Fatty alcohol alkoxyate).
14.3	Transport hazard class(es)	9
14.4	Packing Group	III
14.5	Environmental hazards	Marine Pollutant/ Environmentally hazardous substance.
14.6	Special precautions for user	None.
14.7	Transport in bulk according to Annex II of MARPOL73/78 and the IBC Code	Not permitted (for bulk tankers transported by ship only).



NEON W/W - BULK

14.8 Additional Information

14.8.1	Label (ADR Number System)	9
14.8.2	IMDG Code	EmS: F-A, S-F
14.8.3	Marks	MP/ EHS
14.8.4	ADR Tunnel Code	E

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 XIV List of substances subject to 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 Listed: 2-(2-butoxyethoxy)ethanol; diethylene glycol monobutyl ether (CAS No.: 112-34-5)

Community Rolling Action Plan (CoRAP); Draft: 26/03/2014 All chemicals are not listed.

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
PNEL	Predicted No Effect Concentration
PBT	Persistent, Bioaccumulative and Toxic
vPvB	very Persistent and very Bioaccumulative
ADR	Accord européen relatif au transport international des marchandises dangereuses par route (European Agreement concerning the International Carriage of Dangerous Goods by Road)
IMDG	International Maritime Code for Dangerous Goods
Skin Irrit. 2	Skin corrosion/irritation Category 2
Eye Dam. 1	Serious eye damage/irritation Category 1
Eye Irrit. 2	Serious eye damage/irritation Category 2
Asp. Tox. 1	Aspiration hazard Category 1
Acute Tox. 4	Acute toxicity Category 4
Skin Corr. 1B	Skin corrosion/irritation Category 1B
Aquatic Acute 1	Hazardous to the aquatic environment Acute Category 1
Aquatic Chronic 1	Hazardous to the aquatic environment Chronic Category 1
Aquatic Chronic 2	Hazardous to the aquatic environment Chronic Category 2
Xi	Irritant
Xn	Harmful
C	Corrosive
N	Dangerous for the environment.



NEON W/W - BULK








Risk Phrases

R22	Harmful if swallowed.
R36	Irritating to eyes.
R36/38	Irritating to eyes and skin.
R38	Irritating to skin.
R41	Risk of serious damage to eyes.
R50	Very toxic to aquatic organisms.
R50/53	Very toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment.
R51/53	Toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment.
R65	Harmful: may cause lung damage if swallowed.

Hazard statement(s) and Precautionary statement(s)

H302	Harmful if swallowed.
H304	May be fatal if swallowed and enters airways.
H314	Causes severe skin burns and eye damage.
H315	Causes skin irritation.
H318	Causes serious eye damage.
H319	Causes serious eye irritation.
H400	Very toxic to aquatic life.
H410	Very toxic to aquatic life with long lasting effects.
H411	Toxic to aquatic life with long lasting effects.
P264	Wash hands thoroughly after handling.
P302+P352	IF ON SKIN: Wash with plenty of soap and water.
P310	Immediately call a POISON CENTER or doctor/physician.
P332+P313	If skin irritation occurs: Get medical advice/attention.
P362	Take off contaminated clothing and wash before reuse.
P391	Collect spillage.
P405	Store locked up.
P501	Dispose of contents/container to: Suitable incineration plant.

Hazard pictogram(s) and Hazard Symbol

GHS05		Xn	
GHS07		Xi	
GHS08		N	
GHS09			



NEON W/W - BULK

Disclaimers

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Annex to the extended Safety Data Sheet (eSDS)

No information available.