

NEON WW-A - BULK

According to REACH Regulation (EC) No 1907/2006, as amended by UK REACH Regulations SI 2019/758 and SI 2020/1577

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

1.1 Product identifier

Product Name NEON WW-A - BULK

1.2 Relevant identified uses of the substance or mixture and uses advised against

Identified Use(s) A water washable fluorescent Dye Penetrant for use in the Dye Penetrant Inspection Process BS EN ISO 571-1:1997 (BS EN ISO 3452-2:2006 Sensitivity level 2).

Uses Advised Against Not known.

1.3 Details of the supplier of the safety data sheet

Company Identification Johnson and Allen Ltd
Address of Supplier Neocol Works
Smithfield
Sheffield
Postal code S3 7AR
Telephone 0114 2738066
Fax 0114 2729842
E-mail info@johnsonandallen.co.uk
Office hours 08:30 - 17:00

1.4 Emergency telephone number

Company 0114 2738066 (UK office hours 08.30-17.00)
NHS Direct +44 111

SECTION 2: HAZARDS IDENTIFICATION

2.1 Classification of the substance or mixture

GB CLP Regulation, UK SI 2019/720 and UK SI 2020/1567
Asp. Tox. 1 :May be fatal if swallowed and enters airways.
Skin Irrit. 2 :Causes skin irritation.
Eye Dam. 1 :Causes serious eye damage.
Acute Tox. 4 :Harmful if inhaled.
Aquatic Chronic 2 :Toxic to aquatic life with long lasting effects.

2.2 Label elements

According to GB CLP Regulations, UK SI 2019/720 and UK SI 2020/1567

Product Name NEON WW-A - BULK

Hazard Pictogram(s)



GHS05

GHS08

GHS07

GHS09

Signal Word(s) Danger

Hazard Statement(s)

H304: May be fatal if swallowed and enters airways.
H315: Causes skin irritation.
H318: Causes serious eye damage.
H332: Harmful if inhaled.

Precautionary Statement(s)

H411: Toxic to aquatic life with long lasting effects.
P261: Avoid breathing vapours.
P273: Avoid release to the environment.
P301+P310: IF SWALLOWED: Immediately call a POISON CENTRE/doctor.
P302+P352: IF ON SKIN: Wash with plenty of water.
P304+P340: IF INHALED: Remove person to fresh air and keep comfortable for breathing.
P305+P351+P338: IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.

2.3 Other hazards

None known.

2.4 Additional Information

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

SECTION 3: COMPOSITION/INFORMATION ON INGREDIENTS

3.1 Substances

Not applicable.

NEON WW-A - BULK**3.2 Mixtures**

HAZARDOUS INGREDIENT(S)	CAS No.	EC No. / Registration number(s)	%W/W	Hazard Statement(s)	Hazard Pictogram(s)
Distillates (petroleum), hydrotreated middle	64742-46-7	265-148-2	50-75	Asp. Tox. 1 H304 Skin Irrit. 2 H315 Acute Tox. 4 H332 Aquatic Chronic 2 H411	GHS08 GHS07 GHS09
Alcohols, secondary C11-15, ethoxylated	68131-40-8	614-295-4	15-20	Acute Tox. 4 H302 Skin Irrit. 2 H315 Eye Dam. 1 H318 Acute Tox. 4 H332	GHS05 GHS07
Alcohols, secondary C11-15, ethoxylated	68131-40-8	614-295-4	12.5-15	Skin Irrit. 2 H315 Eye Irrit. 2 H319	GHS07
7-(diethylamino)-4-methyl-2-benzopyrone	91-44-1	202-068-9	1-2	Acute Tox. 4 H302 Eye Irrit. 2 H319 Aquatic Chronic 2 H411	GHS07 GHS09

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

SECTION 4: FIRST AID MEASURES**4.1 Description of first aid measures**

Inhalation	Remove person to fresh air and keep comfortable for breathing. Call a POISON CENTRE/doctor if you feel unwell.
Skin Contact	Wash with plenty of water. Take off contaminated clothing and 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. Immediately call a POISON CENTRE/doctor.
Ingestion	Do NOT induce vomiting. Immediately call a POISON CENTRE/doctor.

4.2 Most important symptoms and effects, both acute and delayed

May be fatal if swallowed and enters airways. Causes skin irritation. Causes serious eye damage. Harmful if inhaled.

4.3 Indication of any immediate medical attention and special treatment needed

Unlikely to be required but if necessary treat symptomatically.

SECTION 5: FIREFIGHTING MEASURES**5.1 Extinguishing media**

Suitable Extinguishing media	Extinguish with carbon dioxide, dry chemical, foam or waterspray.
Unsuitable extinguishing media	Do not use water jet.

5.2 Special hazards arising from the substance or mixture

Decomposes in a fire giving off toxic fumes: Carbon monoxide, Carbon dioxide.

5.3 Advice for firefighters

Fire fighters should wear complete protective clothing including self-contained breathing apparatus. Dike fire control water for later disposal. Keep containers cool by spraying with water if exposed to fire.

SECTION 6: ACCIDENTAL RELEASE MEASURES**6.1 Personal precautions, protective equipment and emergency procedures**

Ensure adequate ventilation. Wear suitable gloves and eye/face protection.

6.2 Environmental precautions

Avoid release to the environment.

6.3 Methods and material for containment and cleaning up

Adsorb spillages onto sand, earth or any suitable adsorbent material. Transfer to a lidded container for disposal or recovery.

6.4 Reference to other sections

See Also Section 8, 13.

SECTION 7: HANDLING AND STORAGE**7.1 Precautions for safe handling**

Provide adequate ventilation. Use only outdoors or in a well-ventilated area. Wear protective gloves/protective clothing/eye protection/face protection. Avoid breathing vapours. Avoid contact with skin and eyes. Wash hands and exposed skin thoroughly after handling.

7.2 Conditions for safe storage, including any incompatibilities

Store locked up. Keep container tightly closed and in a well-ventilated place.

Storage temperature	10-40°C
Storage life	36 months
Incompatible materials	Strong oxidising agents, Acids, Alkalis.

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7.3 Specific end use(s)

A water washable fluorescent Dye Penetrant for use in the Dye Penetrant Inspection Process BS EN ISO 571-1:1997 (BS EN ISO 3452-2:2006 Sensitivity level 2).

SECTION 8: EXPOSURE CONTROLS/PERSONAL PROTECTION

8.1 Control parameters

8.1.1 Occupational Exposure Limits

SUBSTANCE	CAS No.	LTTEL (8 hr TWA ppm)	LTTEL (8 hr TWA mg/m ³)	STEL (ppm)	STEL (mg/m ³)	Note
						Not established

Region: United Kingdom
Source: UK Workplace Exposure Limits EH40/2005 (Fourth edition, published 2020)

8.2 Exposure controls

8.2.1. Appropriate engineering controls Provide adequate ventilation.

8.2.2. Personal protection equipment



Eye Protection Wear eye protection with side protection (EN166).



Skin protection Wear protective clothing and gloves: Impervious gloves (EN 374).
Recommended: Nitrile rubber, Butyl rubber.
Breakthrough time of the glove material: refer to the information provided by the gloves' producer.



Respiratory protection A suitable mask with filter type A (EN14387 or EN405) may be appropriate.



Thermal hazards Not applicable.

8.2.3. Environmental Exposure Controls Avoid release to the environment.

SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES

9.1 Information on basic physical and chemical properties

Appearance	Liquid. Colour: Yellow-green.
Odour	Hydrocarbon odour.
Odour threshold	Not established.
pH	Not known.
Melting point/freezing point	Not known.
Initial boiling point and boiling range	Not known.
Flash Point	>93°C
Evaporation rate	Not known.
Flammability (solid, gas)	Not applicable.
Upper/lower flammability or explosive limits	Not known.
Vapour pressure	Not known.
Vapour density	Not known.
Density (g/ml)	0.873 @ 20°C
Relative density	Not known.
Solubility(ies)	Solubility (Water): Insoluble in water. Solubility (Other): Not known.
Partition coefficient: n-octanol/water	Not known.
Auto-ignition temperature	Not known.
Decomposition Temperature (°C)	Not known.
Viscosity	6 mm ² /s @ 40°C
Explosive properties	Not explosive.
Oxidising properties	Not oxidising.

9.2 Other information

None.

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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	Heat and direct sunlight.
10.5 Incompatible materials	Strong oxidising agents, Acids, Alkalis.
10.6 Hazardous decomposition products	No hazardous decomposition products known.

SECTION 11: TOXICOLOGICAL INFORMATION

11.1 Information on toxicological effects	
Acute toxicity - Ingestion	Calculation method : Not classified. Low oral toxicity. Distillates (petroleum), hydrotreated middle: LD50 (rat) > 5000 mg/kg
Acute toxicity - Skin Contact	Calculation method : Not classified. Low acute toxicity. Distillates (petroleum), hydrotreated middle: LD50 (rabbit) > 5000 mg/kg
Acute toxicity - Inhalation	Calculation method : Harmful if inhaled. Calculation method : Calculated acute toxicity estimate (ATE) Calc ATE - 2.05
Skin corrosion/irritation	Calculation method : Causes skin irritation. No data.
Serious eye damage/irritation	Calculation method : Causes serious eye damage. No data.
Skin sensitization data	Calculation method : Not classified. It is not a skin sensitizer.
Respiratory sensitization data	Calculation method : Not classified. There is no evidence of mutagenic potential.
Germ cell mutagenicity	Calculation method : Not classified. There is no evidence of mutagenic potential.
Carcinogenicity	Calculation method : Not classified. No evidence of carcinogenicity.
Reproductive toxicity	Calculation method : Not classified. No evidence of reproductive effects.
Lactation	Calculation method : Not classified.
STOT - single exposure	Calculation method : Not classified.
STOT - repeated exposure	Calculation method : Not classified.
Aspiration hazard	Calculation method : May be fatal if swallowed and enters airways. No data.
11.2 Other information	Not known.

SECTION 12: ECOLOGICAL INFORMATION

12.1 Toxicity	Toxic to aquatic life with long lasting effects.
Toxicity - Aquatic invertebrates	Distillates (petroleum), hydrotreated middle: EC50 (Daphnia magna) (48 hour) = 68 mg/l
Toxicity - Fish	Distillates (petroleum), hydrotreated middle: LC50 (96 hour) = 21 mg/l
Toxicity - Algae	Distillates (petroleum), hydrotreated middle: EC50 (72 hour) = 22 mg/l
Toxicity - Sediment Compartment	Not classified.
Toxicity - Terrestrial Compartment	Not classified.
12.2 Persistence and degradability	Part of the components are biodegradable.
12.3 Bioaccumulative potential	The product has potential for bioaccumulation.
12.4 Mobility in soil	Insoluble in water. The product is predicted to have low mobility in soil.
12.5 Results of PBT and vPvB assessment	Not classified as PBT or vPvB.
12.6 Other adverse effects	Not known.

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SECTION 13: DISPOSAL CONSIDERATIONS

13.1 Waste treatment methods

Dispose of empty containers and wastes safely. Refer to manufacturer or supplier for information on recovery or recycling. Do NOT landfill.

13.2 Additional Information

Disposal should be in accordance with local, state or national legislation.

SECTION 14: TRANSPORT INFORMATION

14.1 UN number

UN No. 3082

14.2 UN proper shipping name

UN proper shipping name ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S. (Contains: Distillates (petroleum), hydrotreated middle, 7-(diethylamino)-4-methyl-2-benzopyrone)

14.3 Transport hazard class(es)

ADR/RID

ADR/RID Class 9
 ADR Classification Code M6
 Special Provisions 274, 335, 375, 601
 Limited Quantities 5 L
 Excepted Quantities E1
 Emergency Action Code •3Z
 Mixed Packing Instructions for Packages P001 IBC03 LP01 R001
 Special Packing Provisions for Packages PP1
 Mixed Packing Instructions for Packages MP19
 Packing Instructions for Portable Tanks T4
 Special Provisions for Portable Tanks TP1 TP29
 Tank Code for Tanks LGBV
 Special Provisions for Tanks

Vehicle for Tank Carriage AT
 ADR Transport Category 3
 Tunnel Restriction Code -
 Special Provisions for Carriage - Packages V12

Special Provisions for Carriage - Bulk
 Special Provisions for Carriage - Loading, Unloading and Handling CV13

Special Provisions for Carriage - Operation

ADR HIN 90

IMDG

IMDG Class 9
 Special Provisions 274, 335, 375, 601
 Limited Quantities 5 L
 Excepted Quantities E1
 Mixed Packing Instructions for Packages P001 IBC03 LP01 R001
 Special Packing Provisions for Packages PP1
 Packing Instructions for Portable Tanks T4
 Special Provisions for Portable Tanks TP1 TP29

IMDG EMS F-A S-F
 Stowage and Handling Category A

Segregation

Marine Pollutant

ICAO/IATA

IATA Proper Shipping Name ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S. (Contains: Distillates (petroleum), hydrotreated middle, 7-(diethylamino)-4-methyl-2-benzopyrone)

Excepted Quantities E1
 Passenger and Cargo Aircraft Limited Quantities Packing Instructions Y964
 Passenger and Cargo Aircraft Limited Quantities Max net Qty 30Kg G
 Passenger and Cargo Aircraft Packing Instructions 964
 Passenger and Cargo Aircraft Max net Qty 450L
 Cargo Aircraft Packing Instructions 964
 Cargo Aircraft Max net Qty 450L
 Special Provisions A97, A158, A197, A215

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Emergency Response Guidebook (ERG) 9L
Code
Labels
Labels



14.4 Packing group

Packing group III

14.5 Environmental hazards

Environmental hazards Classified as a Marine Pollutant.

14.6 Special precautions for user

Special precautions for user Not known.

14.7 Transport in bulk according to Annex II of Marpol and the IBC Code

No information available

SECTION 15: REGULATORY INFORMATION

15.1 Safety, health and environmental regulations/legislation specific for the substance or mixture

United Kingdom Regulations - Authorisations and/or Restrictions On Use

UK REACH Candidate List of Substances Not listed
of Very High Concern for Authorisation

UK REACH Authorisation List (Annex XIV) list of substances subject to authorisation Not listed

UK REACH Restrictions List (Annex XVII) Distillates (petroleum), hydrotreated middle (64742-46-7), Alcohols, secondary C11- Restrictions on the manufacture, placing on the market and use of certain dangerous substances, mixtures and articles 15, ethoxylated (68131-40-8)

UK REACH Rolling Action Plan (RAP) Not listed
The Persistent Organic Pollutants Regulations 2007 (SI 2007/3106) as amended Not listed

The Ozone-Depleting Substances and Fluorinated Greenhouse Gases (Amendment etc.) (EU Exit) Regulations 2019 (SI 2019/583) Not listed

The Prior Informed Consent (PIC) Regulations concerning the export and import of hazardous chemicals SI2008/2108 as amended Not listed

European Regulations - Authorisations and/or Restrictions On Use

Community Rolling Action Plan (CoRAP) Not listed

15.2 Chemical Safety Assessment

United Kingdom Not applicable.

SECTION 16: OTHER INFORMATION

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

LEGEND

Hazard Pictogram(s)



Hazard classification

GHS05 Acute Tox. 4 : Acute toxicity, Category 4
GHS08 Asp. Tox. 1 : Aspiration hazard, Category 1
GHS07 Skin Irrit. 2 : Skin corrosion/irritation, Category 2
GHS09 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
Aquatic Chronic 2 : Hazardous to the aquatic environment, Chronic, Category 2

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Hazard Statement(s)	H302: Harmful if swallowed. H304: May be fatal if swallowed and enters airways. H315: Causes skin irritation. H318: Causes serious eye damage. H319: Causes serious eye irritation. H332: Harmful if inhaled. H411: Toxic to aquatic life with long lasting effects.
Precautionary Statement(s)	P261: Avoid breathing vapours. P264: Wash hands and exposed skin thoroughly after handling. P271: Use only outdoors or in a well-ventilated area. P273: Avoid release to the environment. P280: Wear protective gloves/protective clothing/eye protection/face protection. P301+P310: IF SWALLOWED: Immediately call a POISON CENTRE/doctor. P302+P352: IF ON SKIN: Wash with plenty of water. P304+P340: IF INHALED: Remove person to fresh air and keep comfortable for breathing. P305+P351+P338: IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. P310: Immediately call a POISON CENTRE/doctor. P312: Call a POISON CENTRE/doctor if you feel unwell. P331: Do NOT induce vomiting. P332+P313: If skin irritation occurs: Get medical advice/attention. P362+P364: Take off contaminated clothing and wash it before reuse. P391: Collect spillage. P405: Store locked up. P501: Dispose of contents in accordance with local, state or national legislation.
Acronyms	ADN : European Agreement concerning the International Carriage of Dangerous Goods by Inland Waterways ADR : European Agreement concerning the International Carriage of Dangerous Goods by Road ATE : Acute Toxicity Estimate CAS : Chemical Abstracts Service DNEL : Derived No Effect Level EC : European Community EINECS : European Inventory of Existing Commercial Chemical Substances IATA : International Air Transport Association IBC : Intermediate Bulk Container ICAO : International Civil Aviation Organization IMDG : International Maritime Dangerous Goods LTEL : Long term exposure limit PBT : Persistent, Bioaccumulative and Toxic PNEC : Predicted No Effect Concentration REACH : Registration, Evaluation, Authorisation and Restriction of Chemicals RID : Regulations concerning the International Carriage of Dangerous Goods by Rail STEL : Short term exposure limit STOT : Specific Target Organ Toxicity UN : United Nations vPvB : very Persistent and very Bioaccumulative

Key literature references and sources for GB CLP Regulation, UK SI 2019/720 and UK SI 2020/1567 data used to compile the SDS

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