

NEON WW-A - AEROSOL

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 - AEROSOL

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
Aerosol 1 :Extremely flammable aerosol. Pressurised container: May burst if heated.
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 - AEROSOL

Hazard Pictogram(s)



GHS02 GHS05 GHS08 GHS07 GHS09

Signal Word(s)

Hazard Statement(s)

Danger
H222: Extremely flammable aerosol.
H229: Pressurised container: May burst if heated.
H304: May be fatal if swallowed and enters airways.
H315: Causes skin irritation.
H318: Causes serious eye damage.
H332: Harmful if inhaled.
H411: Toxic to aquatic life with long lasting effects.

Precautionary Statement(s)

P210: Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking.
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.

Additional Information

Do not pierce or burn, even after use. Do not spray on an open flame or other ignition source. Keep out of the reach of children.

2.3 Other hazards

None known.

2.4 Additional Information

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

NEON WW-A - AEROSOL**SECTION 3: COMPOSITION/INFORMATION ON INGREDIENTS**

Product as supplied: Aerosol.

3.1 Substances

Not applicable.

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
Carbon dioxide	124-38-9	204-696-9	1-10	Press. Gas (Comp.) H280	GHS04
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

Extremely flammable aerosol. Pressurised container: May burst if heated.

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

Heating may cause pressure rise with risk of bursting. 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. If it is safe to do so, containers should be removed from fire area because they are likely to rupture under fire conditions. Keep containers cool by spraying with water if exposed to fire.

SECTION 6: ACCIDENTAL RELEASE MEASURES

The product is an aerosol. It is unlikely to present spillage or leakage hazard. In case of rupture, released content should be contained as any other solvent spill.

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

Collect mechanically and dispose of according to Section 13. Adsorb spillages onto sand, earth or any suitable adsorbent material. Transfer to a lidded container for disposal or recovery. Containers must not be punctured or destroyed by burning, even when empty.

6.4 Reference to other sections

See Also Section 8, 13.

NEON WW-A - AEROSOL**SECTION 7: HANDLING AND STORAGE****7.1 Precautions for safe handling**

Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking. Do not spray on an open flame or other ignition source. Pressurised container - Do not pierce or burn, even after use. Provide adequate ventilation. Use only outdoors or in a well-ventilated area. Wear protective gloves/protective clothing/eye protection/face protection. Avoid breathing mist/vapours/spray. Avoid contact with skin and eyes. Wash hands and exposed skin thoroughly after handling.

7.2 Conditions for safe storage, including any incompatibilities

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

Storage temperature

10-40°C. Do not expose to temperatures exceeding 50°C/ 122°F.

Storage life

36 months

Incompatible materials

Strong oxidising agents, Acids, Alkalis.

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.	LTEL (8 hr TWA ppm)	LTEL (8 hr TWA mg/m ³)	STEL (ppm)	STEL (mg/m ³)	Note
Carbon dioxide	124-38-9	5000	9150	15000	27400	

Region
United KingdomSource
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	Aerosol
	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 applicable.
Flash Point	>93°C
Evaporation rate	Not known.
Flammability (solid, gas)	Extremely flammable aerosol.
Upper/lower flammability or explosive limits	Not known.

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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.

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. 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 sensitiser.
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.

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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.

SECTION 13: DISPOSAL CONSIDERATIONS

13.1 Waste treatment methods

Recycle only completely emptied packaging. Containers must not be punctured or destroyed by burning, even when empty. Non-emptied aerosol: Dispose of wastes in an approved waste disposal facility. 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. 1950

14.2 UN proper shipping name

UN proper shipping name AEROSOLS

14.3 Transport hazard class(es)

ADR/RID

ADR/RID Class 2

ADR Classification Code 5F

Special Provisions 190, 327, 344, 625

Limited Quantities 1 L

Excepted Quantities E0

Emergency Action Code

Mixed Packing Instructions for Packages P207 LP200

Special Packing Provisions for Packages PP87 RR6 L2

Mixed Packing Instructions for Packages MP9

Packing Instructions for Portable Tanks

Special Provisions for Portable Tanks

Tank Code for Tanks

Special Provisions for Tanks

Vehicle for Tank Carriage

ADR Transport Category 2

Tunnel Restriction Code D

Special Provisions for Carriage - Packages V14

Special Provisions for Carriage - Bulk

Special Provisions for Carriage - Loading, Unloading and Handling CV9 CV12

Special Provisions for Carriage - Operation S2

ADR HIN

IMDG

IMDG Class 2

Special Provisions 190, 327, 344, 625

Limited Quantities 1 L

Excepted Quantities E0

Mixed Packing Instructions for Packages P207 LP200

Special Packing Provisions for Packages PP87 RR6 L2

Packing Instructions for Portable Tanks

Special Provisions for Portable Tanks

IMDG EMS F-D, S-U

Stowage and Handling SW1 SW22

Segregation SG69

Marine Pollutant

ICAO/IATA

IATA Proper Shipping Name AEROSOLS

Excepted Quantities E0

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Passenger and Cargo Aircraft Limited Quantities Packing Instructions	Y203
Passenger and Cargo Aircraft Limited Quantities Max net Qty	30Kg
Passenger and Cargo Aircraft Packing Instructions	203
Passenger and Cargo Aircraft Max net Qty	75Kg
Cargo Aircraft Packing Instructions	203
Cargo Aircraft Max net Qty	150Kg
Special Provisions	A145, A167, A802
Emergency Response Guidebook (ERG) Code	10L
Labels	
Labels	2.1



14.4 Packing group

Packing group None.

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

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LEGEND

Hazard Pictogram(s)



GHS02 GHS05 GHS08 GHS07 GHS09

Hazard classification

GHS04: GHS: Gas cylinder
 Aerosol 1 : Aerosol, Category 1
 Press. Gas (Comp.) : Gases under pressure, Compressed gas
 Acute Tox. 4 : Acute toxicity, Category 4
 Asp. Tox. 1 : Aspiration hazard, Category 1
 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
 Acute Tox. 4 : Acute toxicity, Category 4

Hazard Statement(s)

Aquatic Chronic 2 : Hazardous to the aquatic environment, Chronic, Category 2
 H222: Extremely flammable aerosol.
 H229: Pressurised container: May burst if heated.
 H280: Contains gas under pressure; may explode if heated.
 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)

P210: Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking.
 P211: Do not spray on an open flame or other ignition source.
 P251: Do not pierce or burn, even after use.
 P261: Avoid breathing mist/vapours/spray.
 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.
 P410+P412: Protect from sunlight. Do not expose to temperatures exceeding 50°C/ 122°F.
 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

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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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