

NEOPAINT 2 - 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 NEOPAINT 2 - AEROSOL

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).
- Surface coating.

Uses Advised Against Not known.

1.3 Details of the supplier of the safety data sheet

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

Company Identification DIMART S.r.l.
 Address Via A. Einstein
 13 Sedriano MI
 Italy
 Postal code 20018
 Telephone +390290310207
 Fax +390290310208

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.
 Eye Irrit. 2 :Causes serious eye irritation.
 STOT SE 3 :May cause drowsiness or dizziness.

2.2 Label elements

According to GB CLP Regulations, UK SI 2019/720 and UK SI 2020/1567
 Product Name NEOPAINT 2 - AEROSOL

Hazard Pictogram(s)



GHS02



GHS07

Signal Word(s)

Hazard Statement(s)

Danger
 H222: Extremely flammable aerosol.
 H229: Pressurised container: May burst if heated.
 H319: Causes serious eye irritation.
 H336: May cause drowsiness or dizziness.

Precautionary Statement(s)

EUH066: Repeated exposure may cause skin dryness or cracking.
 P210: Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking.
 P261: Avoid breathing mist/vapours/spray.
 P280: Wear protective gloves/protective clothing/eye protection/face 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.
 P312: Call a POISON CENTRE/doctor if you feel unwell.
 P410+P412: Protect from sunlight. Do not expose to temperatures exceeding 50°C/ 122°F.

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.

NEOPAINT 2 - 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)
Dimethyl ether	115-10-6	204-065-8	50-100	Flam. Gas 1A H220 Press. Gas (Comp.) H280	GHS02 GHS04
Acetone	67-64-1	200-662-2	25-50	Flam. Liq. 2 H225 Eye Irrit. 2 H319 STOT SE 3 H336 EUH066	GHS02 GHS07
Xylene	1330-20-7	215-535-7	2.5-10	Flam. Liq. 3 H226 Acute Tox. 4 H312 Skin Irrit. 2 H315 Acute Tox. 4 H332	GHS02 GHS07

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 skin with soap and water. 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

Causes serious eye irritation. May cause drowsiness or dizziness.

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

Water jet spray.

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. 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

Stop leak if safe to do so. Provide adequate ventilation. Use non-sparking ventilation systems, approved explosion-proof equipment, and intrinsically safe electrical systems. Ensure full personal protection (including respiratory protection) during removal of spillages.

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

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.

NEOPAINT 2 - AEROSOL**SECTION 7: HANDLING AND STORAGE****7.1 Precautions for safe handling**

Provide adequate ventilation. Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking. Pressurized container: protect from sunlight and do not expose to temperatures exceeding 50 °C. Do not pierce or burn, even after use. Do not spray on an open flame or other ignition source. Avoid breathing mist/vapours/spray. Avoid contact with eyes. Wear protective gloves/protective clothing/eye protection/face protection. Wash hands and exposed skin thoroughly after handling.

7.2 Conditions for safe storage, including any incompatibilities

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

Storage temperature

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

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 9934-2:2002).
- Surface coating.

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
Dimethyl ether	115-10-6	400	766	500	958	
Acetone	67-64-1	500	1210	1500	3620	
Xylene, o-,m-,p- or mixed isomers	1330-20-7	50	220	100	441	Sk, BMGV

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

Remark: Sk
Notes: Can be absorbed through the skin. The assigned substances are those for which there are concerns that dermal absorption will lead to systemic toxicity.
BMGV: Biological monitoring guidance values are listed in Table 2.

Biological Exposure Indices						
Substances	CAS Number	Sampling	Tissues	Control parameters	Biological monitoring guidance value	Comments
Xylene, o-, m-, p- or mixed isomers	1330-20-7	Post shift	urine	methyl hippuric acid	650 mmol methyl hippuric acid/mol creatinine	

Remark: Notes

8.2 Exposure controls

8.2.1. Appropriate engineering controls Use non-sparking ventilation systems, approved explosion-proof equipment, and intrinsically safe electrical systems. Ensure adequate ventilation.

8.2.2. Personal protection equipment

Eye Protection

Wear eye protection with side protection (EN166).



Skin protection

Not normally required. Wear suitable gloves if prolonged skin contact is likely. Breakthrough time of the glove material: refer to the information provided by the gloves' producer.



Respiratory protection

A suitable mask with filter type AX may be appropriate.

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Thermal hazards Not applicable.

8.2.3. Environmental Exposure Controls Do not release large quantities into the surface water or into drains.

SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES

9.1 Information on basic physical and chemical properties

Appearance	Aerosol Colour: White (Shaken).
Odour	Characteristic.
Odour threshold	Not established.
pH	Not applicable.
Melting point/freezing point	Not applicable.
Initial boiling point and boiling range	-24°C
Flash Point	-42°C
Evaporation rate	Not known.
Flammability (solid, gas)	Extremely flammable aerosol.
Upper/lower flammability or explosive limits	2.6-18.6 Vol-%
Vapour pressure	5200 hPa @ 20°C
Vapour density	Not known.
Density (g/ml)	Not known.
Relative density	0.788 g/cm ³ @ 20°C
Solubility(ies)	Solubility (Water): Immiscible with water. Solubility (Other): Not known.
Partition coefficient: n-octanol/water	Not applicable.
Auto-ignition temperature	The product is not self-igniting.
Decomposition Temperature (°C)	Not known.
Viscosity	3.5 cSt @ 40°C
Explosive properties	Contains gas under pressure; may explode if heated.
Oxidising properties	Not oxidising.
9.2 Other information	
Ignition temperature	235°C
Organic solvents	84.4%
Solid content	15.5%

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	Keep away from heat and direct sunlight.
10.5 Incompatible materials	Strong oxidising agents.
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.
Acute toxicity - Skin Contact	Calculation method : Not classified. Low acute toxicity. Calculated acute toxicity estimate (ATE) Calc ATE - 12222.22
Acute toxicity - Inhalation	Calculation method : Not classified. Low acute toxicity. Calculated acute toxicity estimate (ATE) Calc ATE - 16.67
Skin corrosion/irritation	Calculation method : Not classified. Non-irritant.
Serious eye damage/irritation	Calculation method : Causes serious eye irritation. No data.
Skin sensitization data	Calculation method : Not classified. It is not a skin sensitiser.
Respiratory sensitization data	Calculation method : Not classified.

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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 : May cause drowsiness or dizziness. No data.
STOT - repeated exposure	Calculation method : Not classified.
Aspiration hazard	Calculation method : Not classified.
11.2 Other information	Not known.

SECTION 12: ECOLOGICAL INFORMATION

12.1 Toxicity	Low toxicity to aquatic organisms.
12.2 Persistence and degradability	Part of the components are poorly biodegradable. Dimethyl ether: 5% (28 days) (OECD 301 D)
12.3 Bioaccumulative potential	No information available.
12.4 Mobility in soil	Immiscible with 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.
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, CV9 CV12	
Unloading and Handling	
Special Provisions for Carriage - Operation	S2
ADR HIN	

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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
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	Not 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) Acetone (67-64-1), Xylene (1330-20-7) Restrictions on the manufacture, placing on the market and use of certain dangerous substances, mixtures and articles	
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

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European Regulations - Authorisations and/or Restrictions On Use
Community Rolling Action Plan (CoRAP) Xylene (1330-20-7)

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)



GHS02

GHS07

Hazard classification

GHS04: GHS: Gas cylinder

Flam. Gas 1A : Flammable gas Category 1A

Aerosol 1 : Aerosol, Category 1

Flam. Liq. 2 : Flammable liquid, Category 2

Flam. Liq. 3 : Flammable liquid, Category 3

Press. Gas (Comp.) : Gases under pressure, Compressed gas

Acute Tox. 4 : Acute toxicity, Category 4

Skin Irrit. 2 : Skin corrosion/irritation, Category 2

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

Acute Tox. 4 : Acute toxicity, Category 4

STOT SE 3 : Specific target organ toxicity — single exposure, Category 3

Hazard Statement(s)

H220: Extremely flammable gas.

H222: Extremely flammable aerosol.

H225: Highly flammable liquid and vapour.

H226: Flammable liquid and vapour.

H229: Pressurised container: May burst if heated.

H280: Contains gas under pressure; may explode if heated.

H312: Harmful in contact with skin.

H315: Causes skin irritation.

H319: Causes serious eye irritation.

H332: Harmful if inhaled.

H336: May cause drowsiness or dizziness.

EUH066: Repeated exposure may cause skin dryness or cracking.

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.

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

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.

P312: Call a POISON CENTRE/doctor if you feel unwell.

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

P403+P233: Store in a well-ventilated place. Keep container tightly closed.

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

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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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