

NEOPAINT 2 – AEROSOL



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	NEOPAINT 2 – AEROSOL.
	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)	<ul style="list-style-type: none"> • For use in the Magnetic Particle Inspection Process (BS EN ISO 9934-2). • Surface coating.
	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	Regulation (EC) No. 1272/2008 (CLP)	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	Product Name	According to Regulation (EC) No. 1272/2008 (CLP) NEOPAINT 2 – AEROSOL.
	Hazard Pictogram	 
	Signal word(s)	Danger.
	Hazard statement(s)	H222: Extremely flammable aerosol. H229: Pressurised container: May burst if heated. H319: Causes serious eye irritation. H336: May cause drowsiness or dizziness.

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Precautionary statement(s)

P210: Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking.
 P261: Avoid breathing vapours.
 P280: Wear protective gloves/eye protection/face protection.
 P312: Call a POISON CENTER or doctor/physician if you feel unwell.
 P305+P351+P338: IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.
 P410+P412: Protect from sunlight. Do not expose to temperatures exceeding 50°C/ 122°F.
 Do not pierce or burn, even after use. Do not spray on a naked flame or any incandescent material. Keep out of the reach of children.

Additional Information

2.3 Other hazards

Repeated exposure may cause skin dryness or cracking.

2.4 Additional Information

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

3. SECTION 3: COMPOSITION/INFORMATION ON INGREDIENTS

Product as supplied: Aerosol.

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)
Dimethyl Ether	50-100	115-10-6	204-065-8	01-2119472128-37-0000	GHS02, Flam. Gas 1; H220, GHS04, Press. Gas; H280
Acetone	25-50	67-64-1	200-662-2	01-2119471330-49-0000	GHS02, Flam. Liq. 2; H225, GHS07, Eye Irrit. 2; H319, STOT SE 3; H336, EUH066
Xylene	2.5-10	1330-20-7	215-535-7	01-2119488216-32-0000	GHS02, Flam. Liq. 3; H226, GHS07, Acute Tox. 4; H312, H332, Skin Irrit. 2; H315, Eye Irrit. 2; H319, STOT SE 3; H335, GHS08, STOT RE 2; H373, Asp. Tox. 1; H304, Aquatic Chronic 3; H412

3.3 Additional Information

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

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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	IF ON SKIN: Wash with plenty of soap and water. Take off contaminated clothing and wash before reuse. If skin irritation occurs: Get medical advice/attention.
Eye Contact	Flush eyes with water for at least 15 minutes. If symptoms persist, obtain medical 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: Irritation, Pain. Skin Contact: Repeated exposure may cause skin dryness or cracking.
4.3 Indication of any immediate medical attention and special treatment needed	Inhalation: May cause drowsiness or dizziness. Unlikely to be required but if necessary treat symptomatically.

5. SECTION 5: FIRE-FIGHTING MEASURES

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

5.1 Extinguishing Media	
Suitable Extinguishing Media	Extinguish with waterspray, dry chemical, sand or carbon dioxide.
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.
5.3 Advice for fire-fighters	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.

6. 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. Eliminate all ignition sources if safe to do so. Avoid contact with skin. Wear protective gloves. Wash hands thoroughly after handling.
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 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 and 13.

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7. 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 contact with skin. Wear protective gloves/protective clothing/eye protection/face protection. Wash hands thoroughly after handling. Protect from sunlight. Store in a well-ventilated place.
- 7.2 Conditions for safe storage, including any incompatibilities**
- Storage Temperature Ambient. Do not expose to temperatures exceeding 50°C/ 122°F.
- Storage Life Stable under normal conditions.
- Incompatible materials None known.
- 7.3 Specific end use(s)**
- For use in the Magnetic Particle Inspection Process (BS EN ISO 9934-2).
 - Surface coating.

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
Dimethyl Ether	115-10-6	400	766	500	958	WEL
Acetone	67-64-1	500	1210	1500	3620	WEL
Xylene	1330-20-7	50	220	100	441	WEL, Sk

WEL: Workplace Exposure Limit (UK HSE EH40)

Sk: Can be absorbed through skin.

- 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. A washing facility/water for eye and skin cleaning purposes should be present.
- 8.2.2 Personal protection equipment**
- Eye/face protection Wear suitable eye/face protection.



Skin protection (Hand protection/ Other)



Wear protective gloves.

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Respiratory protection



In case of insufficient ventilation, wear suitable respiratory equipment. A suitable mask with filter type AX may be appropriate.

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	Aerosol.
Colour	White (Shaken).
Odour	Characteristic.
Odour Threshold	Not available.
pH	Not applicable.
Melting Point/Freezing Point	Not applicable.
Initial boiling point and boiling range	-24 °C
Flash point	-42 °C
Evaporation rate	Not available.
Flammability (solid, gas)	Non-flammable.
Upper/lower flammability or explosive limits	2.6 – 18.6 Vol-%
Vapour pressure	5200 hPa @ 20 °C
Vapour density	Not available.
Relative density	0.788 g/cm ³ @ 20 °C
Solubility(ies)	Immiscible with water.
Partition coefficient: n-octanol/water	Not applicable.
Auto-ignition temperature	Product is not selfigniting.
Ignition temperature	235 °C
Decomposition Temperature	Not available.
Kinematic Viscosity	3.5cSt @ 40°C
Explosive properties	Contains gas under pressure; may explode if heated.
Oxidising properties	No information available.

9.2 Other information

Solvent content: Organic solvents	84.4 %
Solid content	15.5 %

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	Keep away from heat, sources of ignition and direct sunlight.
10.5 Incompatible materials	None known.
10.6 Hazardous Decomposition Product(s)	No hazardous decomposition products known.

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11. SECTION 11: TOXICOLOGICAL INFORMATION

Unlikely to cause harmful effects under normal conditions of handling and use.

11.1 Information on toxicological effects

11.1.1 Mixtures

Acute toxicity

Ingestion

Inhalation

Irritation

Corrosivity

Sensitisation

Repeated dose toxicity

Carcinogenicity

Mutagenicity

Toxicity for reproduction

Aspiration hazard

11.2 Other information

Low oral toxicity.

STOT SE 3; May cause drowsiness or dizziness.

Eye Irrit. 2; Causes serious eye irritation.

Repeated exposure may cause skin dryness or cracking.

Not classified.

Not expected to be a skin or respiratory sensitiser.

None anticipated.

No evidence of carcinogenicity.

There is no evidence of mutagenic potential.

None anticipated.

None anticipated.

None.

12. 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% (28days) (OECD 301D)

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

None.

13. 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 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

14.1 UN number

UN 1950

14.2 UN Proper Shipping Name

ADR/RID/IMDG

AEROSOLS.

ICAO/IATA

AEROSOLS, FLAMMABLE.

14.3 Transport hazard class(es)

ADR/RID

2

IMDG/ICAO/IATA

2.1

14.4 Packing Group

None.

14.5 Environmental hazards

Not classified as a Marine Pollutant.

14.6 Special precautions for user

Warning: Gas.

14.7 Transport in bulk according to Annex II of MARPOL73/78 and the IBC Code

Not applicable.

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14.8 Additional Information

14.8.1	ADR Classification Code	5F
14.8.2	IMDG Code	EmS: F-D, S-U
14.8.3	Tunnel Restriction Code	D

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 manufacture, placing on the market and use of certain dangerous substances, mixtures and articles All chemicals are not listed.

REACH: ANNEX XIV List of substances subject to authorisation All chemicals are not listed.

Community Rolling Action Plan (CoRAP) Listed: Xylene (CAS No.: 1330-20-7)

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: 3, 8

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
Flam. Gas 1	Flammable gas Category 1
Aerosol 1	Flammable aerosol Category 1
Flam. Liq. 2	Flammable liquid Category 2
Flam. Liq. 3	Flammable liquid Category 3
Press. Gas	Gases under pressure
Acute Tox. 4	Acute toxicity Category 4
Skin Irrit. 2	skin corrosion/irritation Category 2
Eye Irrit. 2	Serious eye damage/irritation Category 2
STOT SE 3	Specific target organ toxicity — single exposure Category 3
STOT RE 2	Specific target organ toxicity — repeated exposure Category 2
Asp. Tox. 1	Aspiration hazard Category 1
Aquatic Chronic 3	Hazardous to the aquatic environment Category 3

Hazard statement(s) and Precautionary statement(s)

H220	Extremely flammable gas.
H225	Highly flammable liquid and vapour.
H226	Flammable liquid and vapour.
H280	Contains gas under pressure; may explode if heated.
H304	May be fatal if swallowed and enters airways.
H312	Harmful in contact with skin.
H315	Causes skin irritation.

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H319	Causes serious eye irritation.
H332	Harmful if inhaled.
H335	May cause respiratory irritation.
H336	May cause drowsiness or dizziness.
H373	May cause damage to organs through prolonged or repeated exposure.
H412	Harmful to aquatic life with long lasting effects.
EUH066	Repeated exposure may cause skin dryness or cracking.
P251	Pressurized container: Do not pierce or burn, even after use.
P261	Avoid breathing vapours.
P264	Wash hands thoroughly after handling.
P271	Use only outdoors or in a well-ventilated area.
P312	Call a POISON CENTER or doctor/physician 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.

Hazard pictogram(s)

GHS02



GHS07



GHS04



GHS08



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Annex to the extended Safety Data Sheet (eSDS)

Not applicable.