



NEOPAINT 2 – AEROSOL


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	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 9934-2:2002).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	
2.1.1 Regulation (EC) No. 1272/2008 (CLP)	Flam. Aerosol 1; Extremely flammable aerosol. Gases under pressure: Liquefied gas; Contains gas under pressure; may explode if heated. Skin Irrit. 2; Causes skin irritation.
2.1.2 Directive 67/548/EEC & Directive 1999/45/EC	F+; Extremely flammable.
2.2 Label elements	
2.2.1 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. H280: Contains gas under pressure; may explode if heated. H315: Causes skin irritation.



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Precautionary statement(s)	<p>P210: Keep away from heat/sparks/open flames/hot surfaces. – No smoking.</p> <p>P211: Do not spray on an open flame or other ignition source.</p> <p>P280: Wear protective gloves/protective clothing/eye protection/face protection.</p> <p>P302+P352: IF ON SKIN: Wash with plenty of soap and water.</p> <p>P332+P313: If skin irritation occurs: Get medical advice/attention.</p> <p>P410+P403: Protect from sunlight. Store in a well-ventilated place.</p>
Additional Information	<p>Keep out of the reach of children.</p> <p>Keep away from sources of ignition - No smoking.</p> <p>Pressurized container: protect from sunlight and do not expose to temperatures exceeding 50 °C. Do not pierce or burn, even after use.</p> <p>Do not spray on a naked flame or any incandescent material.</p>
2.2.2 Label elements	<p>According to Directive 67/548/EEC & Directive 1999/45/EC NEOPAINT 2 – AEROSOL.</p>
Product Name	
Hazard Symbol	
Risk Phrases	F+
Safety Phrases	<p>R12: Extremely flammable.</p> <p>S2: Keep out of the reach of children.</p> <p>S9: Keep container in a well-ventilated place.</p> <p>S16: Keep away from sources of ignition - No smoking.</p> <p>S33: Take precautionary measures against static discharges.</p>
Additional Information	<p>Pressurized container: protect from sunlight and do not expose to temperatures exceeding 50 °C. Do not pierce or burn, even after use.</p> <p>Do not spray on a naked flame or any incandescent material.</p>
2.3 Other hazards	None.
2.4 Additional Information	For full text of H/P phrases see section 16.

3. SECTION 3: COMPOSITION/INFORMATION ON INGREDIENTS

Product as supplied: Aerosol.

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)
Dimethyl Ether	50-100	115-10-6	204-065-8	None assigned	GHS02, Flam. Gas 1; H220, GHS04, Press. Gas: Liquefied gas; H280
Xylene	2.5-10	1330-20-7	215-535-7	None assigned	GHS02, Flam. Liq. 3; H226, GHS07, Acute Tox. 4; H312, H332, Skin Irrit. 2; H315



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EC Classification No. 67/548/EEC

Hazardous ingredient(s)	%W/W	CAS No.	EC No.	REACH Registration No.	EC Classification and Risk Phrases
Dimethyl Ether	50-100	115-10-6	204-065-8	None assigned	F+; R12
Xylene	2.5-10	1330-20-7	215-535-7	None assigned	R10, Xn; R20/21, Xi; R38

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

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

Skin Contact: Dry, Redness.

4.3 Indication of any immediate medical attention and special treatment needed

Unlikely to be required but if necessary treat symptomatically.

5. SECTION 5: FIRE-FIGHTING MEASURES

Extremely flammable aerosol. Contains gas under pressure; may explode 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.



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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.

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| 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. |

7. SECTION 7: HANDLING AND STORAGE

- | | |
|---|---|
| 7.1 Precautions for safe handling | Provide adequate ventilation. Keep away from heat/sparks/open flames/hot surfaces. – 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. 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) | <ul style="list-style-type: none"> • For use in the Magnetic Particle Inspection Process (BS EN ISO 9934-2: 2002). • 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
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. |



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8.2.2 Personal protection equipment

Eye/face protection



Wear suitable eye/face protection.

Skin protection (Hand protection/ Other)



Wear protective gloves.

Respiratory protection



No personal respiratory protective equipment normally required. Handling of larger amounts: In case of insufficient ventilation, wear suitable respiratory equipment. A suitable mask with filter type A (EN14387 or EN405) 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	3.0 – 18.6 Vol-%
Vapour pressure	5200 hPa @ 20 °C
Vapour density	Not available.
Relative density	0.832 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	70.6 %
Solid content	29.3 %



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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	Keep away from heat, sources of ignition and direct sunlight.
10.5	Incompatible materials	None known.
10.6	Hazardous Decomposition Product(s)	None known.

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

Low acute toxicity.

Dimethyl Ether:

Inhalation LC50 (rat) 4hour(s) = 308.5mg/l

Skin Irrit. 2; Causes skin irritation.

Irritation

Corrosivity

Not classified.

Sensitisation

Not expected to be a skin or respiratory 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

None anticipated.

11.2 Other information

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	Water hazard class: 1

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.



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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.
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); Draft 29/02/2012	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
PNEC	Predicted No Effect Concentration
PBT	Persistent, Bioaccumulative and Toxic
vPvB	very Persistent and very Bioaccumulative
Flam. Gas 1	Flammable gas Category 1
Flam. Aerosol 1	Flammable aerosol Category 1
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



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F+	Extremely flammable
Xi	Irritant
Xn	Harmful







Risk Phrases

R10	Flammable.
R12	Extremely flammable.
R20/21	Harmful by inhalation and in contact with skin.
R38	Irritating to skin.

Hazard statement(s) and Precautionary statement(s)

H220	Extremely flammable gas.
H226	Flammable liquid and vapour.
H280	Contains gas under pressure; may explode if heated.
H312	Harmful in contact with skin.
H315	Causes skin irritation.
H332	Harmful if inhaled.
P251	Pressurized container: Do not pierce or burn, even after use.
P264	Wash hands thoroughly after handling.
P362	Take off contaminated clothing and wash before reuse.
P410+412	Protect from sunlight. Do not expose to temperatures exceeding 50°C/ 122°F.

Hazard pictogram(s) and Hazard Symbol

GHS02		F+	
GHS04		Xi	
GHS07		Xn	

Disclaimers

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Annex to the extended Safety Data Sheet (eSDS)

No information available.