



NEOPAINT NPT16 - 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

<b>1.1 Product identifier</b>	
Product Name	NEOPAINT NPT16 – AEROSOL.
CAS No.	Mixture.
EINECS No.	Mixture.
REACH Registration No.	None assigned.
<b>1.2 Relevant identified uses of the substance or mixture and uses advised against</b>	
Identified use(s)	White Background Paint for use in the Magnetic Particle Inspection Process (BS EN ISO 9934-2:2002).
Uses advised against	None known.
<b>1.3 Details of the supplier of the Safety Data Sheet</b>	
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
<b>1.4 Emergency telephone number</b>	
Emergency Phone No.	0114 2738066. (UK office hours 08.30-17.00)

### 2. SECTION 2: HAZARDS IDENTIFICATION

<b>2.1 Classification of the substance or mixture</b>	
<b>2.1.1 Regulation (EC) No. 1272/2008 (CLP)</b>	Aerosol 3; Pressurised container: May burst if heated. Carc. 2; Suspected of causing cancer. Skin Irrit. 2; Causes skin irritation. Eye Irrit. 2; Causes serious eye irritation. STOT SE 3; May cause respiratory irritation. May cause drowsiness or dizziness. STOT RE 2; May cause damage to organs through prolonged or repeated exposure: Liver.
<b>2.1.2 Directive 67/548/EEC &amp; Directive 1999/45/EC</b>	Carc. Cat. 3; Limited evidence of a carcinogenic effect. Xi; Irritating to eyes. Irritating to skin. Irritating to respiratory system. Vapours may cause drowsiness and dizziness. Xn; Danger of serious damage to health by prolonged exposure.



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### 2.2 Label elements

Product Name  
Hazard Pictogram

According to Regulation (EC) No. 1272/2008 (CLP)  
NEOPAINT NPT16 – AEROSOL.



GHS07

GHS08

Signal word(s)  
Hazard statement(s)

Warning.  
H229: Pressurised container: May burst if heated.  
H315: Causes skin irritation.  
H319: Causes serious eye irritation.  
H335: May cause respiratory irritation.  
H336: May cause drowsiness or dizziness.  
H351: Suspected of causing cancer.  
H373: May cause damage to organs through prolonged or repeated exposure: Liver.  
P201: Obtain special instructions before use.  
P210: Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking.  
P251: Do not pierce or burn, even after use.  
P260: Do not breathe vapour/spray.  
P271: Use only outdoors or in a well-ventilated area.  
P410+P412: Protect from sunlight. Do not expose to temperatures exceeding 50°C/ 122°F.

Precautionary statement(s)

### 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)
Dichloromethane	60-70	75-09-2	200-838-9	None assigned	GHS07, Skin Irrit. 2; H315, Eye Irrit. 2; H319, STOT SE 3; H335, H336, GHS08, Carc. 2; H351, STOT RE 2; H373
Carbon dioxide	10-20	124-38-9	204-696-9	None assigned	GHS04, Press. Gas; H280
Xylene	1-10	1330-20-7	215-535-7	None assigned	GHS02, Flam. Liq. 3; H226, GHS07, Acute Tox. 4; H312, GHS07, Acute Tox. 4; H332, GHS07, Skin Irrit. 2; H315
Ethylbenzene	<2	100-41-4	202-849-4	None assigned	GHS02; Flam. Liq. 2; H225, GHS07, Acute Tox. 4; H332



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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
Dichloromethane	60-70	75-09-2	200-838-9	None assigned	Carc. Cat. 3; R40, Xn; R48, Xi; R36, R37, R38, R67
Carbon dioxide	10-20	124-38-9	204-696-9	None assigned	None
Xylene	1-10	1330-20-7	215-535-7	None assigned	R10, Xn; R20/21, Xi; R38
Ethylbenzene	<2	100-41-4	202-849-4	None assigned	F; R11, Xn; R20

### 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 INHALED: Remove person to fresh air and keep comfortable for breathing. Call a POISON CENTER/doctor if you feel unwell.

Skin Contact

IF ON SKIN: Wash with plenty of water. Take off contaminated clothing and wash it before reuse. If skin irritation occurs: Get medical advice/attention.

Eye Contact

IF IN EYES: 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. Unlikely route of exposure.

Ingestion

### 4.2 Most important symptoms and effects, both acute and delayed

Inhalation: Coughing, Wheezing.

Skin Contact: Redness, Pain.

### 4.3 Indication of any immediate medical attention and special treatment needed

If exposed or concerned: Get medical advice/attention.

## 5. SECTION 5: FIRE-FIGHTING MEASURES

Pressurised container: May burst if heated.

### 5.1 Extinguishing Media

Suitable Extinguishing Media

Water fog or dry powder.

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, Nitrogen oxides.

### 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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|--|---|
| <b>6.1 Personal precautions, protective equipment and emergency procedures</b> | Ensure adequate ventilation. Do not breathe vapour/spray. Avoid contact with skin and eyes. Wear protective gloves/protective clothing/eye protection/face protection.                                    |
| <b>6.2 Environmental precautions</b>   | Prevent liquid entering sewers, basements and any watercourses.   |
| <b>6.3 Methods and material for containment and cleaning up</b>                | 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. |
| <b>6.4 Reference to other sections</b>   | See Also Section 8 and 13   |

### 7. SECTION 7: HANDLING AND STORAGE

- |   |   |
|---|---|
| <b>7.1 Precautions for safe handling</b>                                | Obtain special instructions before use. Do not handle until all safety precautions have been read and understood. Provide adequate ventilation. Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking. Do not pierce or burn, even after use. Do not breathe vapour/spray. Use only outdoors or in a well-ventilated area. Wear protective gloves/protective clothing/eye protection/face protection. Wash hands thoroughly after handling. |
| <b>7.2 Conditions for safe storage, including any incompatibilities</b> | Store locked up. Store in a well-ventilated place. Keep container tightly closed.   |
| Storage Temperature   | Protect from sunlight. Do not expose to temperatures exceeding 50°C/ 122°F.   |
| Storage Life  | Stable under normal conditions.   |
| Incompatible materials  | Strong oxidising agents, Alkalis, Zinc, Aluminium.  |
| <b>7.3 Specific end use(s)</b>  | White Background Paint for use in the Magnetic Particle Inspection Process (BS EN ISO 9934-2:2002).   |

### 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 <sup>3</sup> )	STEL (ppm)	STEL (mg/m <sup>3</sup> )	Note
Dichloromethane	75-09-2	100	350	300	1060	WEL, BMGV, Sk
Xylene	1330-20-7	50	220	100	441	WEL, BMGV, Sk
Ethylbenzene	100-41-4	100	441	125	552	Sk

- |                                     |                  |
|-------------------------------------|------------------|
| <b>8.1.2 Biological limit value</b> | Not established. |
| <b>8.1.3 PNECs and DNELs</b>        | Not established. |



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<b>8.2</b>	<b>Exposure controls</b>	
<b>8.2.1</b>	<b>Appropriate engineering controls</b>	Provide adequate ventilation.
<b>8.2.2</b>	<b>Personal protection equipment</b>	
	Eye/face protection	Wear suitable eye/face protection.
		
	Skin protection (Hand protection/ Other)	Wear suitable protective clothing and gloves. Impervious gloves (EN 374).
		
	Respiratory protection	A suitable mask with filter type A (EN141 or EN405) may be appropriate.
		
	Thermal hazards	Not applicable.
<b>8.2.3</b>	<b>Environmental Exposure Controls</b>	Prevent liquid entering sewers, basements and any watercourses.

## 9. SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES

<b>9.1</b>	<b>Information on basic physical and chemical properties</b>	
	Appearance	Aerosol.
	Colour	White.
	Odour	Characteristic odour.
	Odour Threshold	Not available.
	pH	Not applicable.
	Melting Point/Freezing Point	-94.9°C (Dichloromethane).
	Initial boiling point and boiling range	40°C
	Flash point	Not applicable.
	Evaporation rate	Not applicable.
	Flammability (solid, gas)	Non-flammable.
	Upper/lower flammability or explosive limits	Not applicable.
	Vapour pressure	285.1 mm Hg @ 20°C
	Vapour density	Not available.
	Relative density	1.33g/l @ 20°C (Dichloromethane).
	Solubility(ies)	Insoluble in water.
	Partition coefficient: n-octanol/water	1.25 (Dichloromethane).
	Auto-ignition temperature	Not applicable.
	Decomposition Temperature	Not available.
	Viscosity	Not applicable.
	Explosive properties	Pressurised container: May burst if heated.
	Oxidising properties	Not available.
<b>9.2</b>	<b>Other information</b>	None.

## 10. SECTION 10: STABILITY AND REACTIVITY

<b>10.1</b>	<b>Reactivity</b>	Stable under normal conditions.
<b>10.2</b>	<b>Chemical stability</b>	Stable under normal conditions.
<b>10.3</b>	<b>Possibility of hazardous reactions</b>	Stable under normal conditions.
<b>10.4</b>	<b>Conditions to avoid</b>	Heat and direct sunlight.
<b>10.5</b>	<b>Incompatible materials</b>	Strong oxidising agents, Alkalis, Zinc, Aluminium.
<b>10.6</b>	<b>Hazardous Decomposition Product(s)</b>	Phosgene, Hydrochloric acid, Carbon monoxide, Carbon dioxide, Nitrogen oxides.



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### 11. SECTION 11: TOXICOLOGICAL INFORMATION

<b>11.1</b>	<b>Information on toxicological effects</b>	
<b>11.1.1</b>	<b>Mixtures</b>	
	<b>Acute toxicity</b>	
	Ingestion	Low oral toxicity.
	Inhalation	Dichloromethane: LD50 (rat) >2000mg/kg STOT SE 3; May cause drowsiness or dizziness. Low acute toxicity. Effects and Symptoms: Coughing, Wheezing. Dichloromethane: LC50 (rat) 4hour(s) = 49000mg/m <sup>3</sup>
	Skin Contact	Low acute toxicity. Dichloromethane: LD50 (rat) >2000mg/kg
	Eye Contact	Low acute toxicity.
	<b>Irritation</b>	Skin Irrit. 2; Causes skin irritation. Eye Irrit. 2; Causes serious eye irritation. STOT SE 3; May cause respiratory irritation.
	<b>Corrosivity</b>	Not classified.
	<b>Sensitisation</b>	It is not a skin sensitiser.
	<b>Repeated dose toxicity</b>	STOT RE 2; May cause damage to organs through prolonged or repeated exposure: Liver.
	<b>Carcinogenicity</b>	Carc. 2; Suspected of causing cancer. Dichloromethane: A3: Confirmed Animal Carcinogen with Unknown Relevance to Humans: The agent is carcinogenic in experimental animals at a relatively high dose, by route(s) of administration, at site(s), of histological type(s), or by mechanism(s) that may not be relevant to worker exposure. Available epidemiological studies do not confirm an increased risk of cancer in exposed humans. Available evidence does not suggest that the agent is likely to cause cancer in humans except under uncommon or unlikely routes or levels of exposure.
	<b>Mutagenicity</b>	There is no evidence of mutagenic potential.
	<b>Toxicity for reproduction</b>	None anticipated.
<b>11.2</b>	<b>Other information</b>	None.

### 12. SECTION 12: ECOLOGICAL INFORMATION

<b>12.1</b>	<b>Toxicity</b>	Low toxicity to aquatic organisms. Dichloromethane: Fish: LC50 (96 hour) = 193mg/l Aquatic invertebrates: EC50 (48 hour) = 109mg/l
<b>12.2</b>	<b>Persistence and degradability</b>	The product is biodegradable. The product is unlikely to persist in the environment.
<b>12.3</b>	<b>Bioaccumulative potential</b>	The product has no potential for bioaccumulation. Bioconcentration factor (BCF) : 2-5.4
<b>12.4</b>	<b>Mobility in soil</b>	The product is volatile and will partition into the atmosphere. The product has high mobility in soil.
<b>12.5</b>	<b>Results of PBT and VPVB assessment</b>	Not classified as PBT or vPvB.
<b>12.6</b>	<b>Other adverse effects</b>	None.



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### 13. SECTION 13: DISPOSAL CONSIDERATIONS

- |      |                                |  |
|------|--------------------------------|--|
| 13.1 | <b>Waste treatment methods</b> | 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 | <b>Additional Information</b>  | Disposal should be in accordance with local, state or national legislation.  |

### 14. SECTION 14: TRANSPORT INFORMATION

- |        |  |   |
|--------|--|---|
| 14.1   | <b>UN number</b>   | UN 1950   |
| 14.2   | <b>UN Proper Shipping Name</b>   | AEROSOLS.   |
| 14.3   | <b>Transport hazard class(es)</b>  | 2   |
| 14.4   | <b>Packing Group</b>   | None.   |
| 14.5   | <b>Environmental hazards</b>   | Not classified as a Marine Pollutant.   |
| 14.6   | <b>Special precautions for user</b>  | None.   |
| 14.7   | <b>Transport in bulk according to Annex II of MARPOL73/78 and the IBC Code</b> | Not applicable.   |
| 14.8   | <b>Additional Information</b>  |   |
| 14.8.1 | ADR/RID  | Hazard label(s): 2.2 + 6.1<br>ADR Classification Code: 5T<br>Special Provisions: 190 327 344 625<br>Tunnel Restriction Code: D<br>Limited quantity: 120 ml<br>Excepted quantity: E0<br>Packaging Instructions: P003 LP02 (Special Provisions: PP17 PP87 RR6 L2, Mixed Provisions: MP9)<br>Special Provisions for Carriage Packages: Bulk: Loading, etc: CV9 CV12 CV28<br>Operations: S7 |
| 14.8.2 | IMDG   | Hazard label(s): 2.2 + 6.1<br>EmS: F-D, S-U<br>Special Provisions: 63 190 277 327 959<br>Limited quantity: SP277<br>Excepted quantity: E0<br>Packaging Instructions: P003 (Special Provisions: PP17)  |
| 14.8.3 | ICAO/IATA  | Hazard label(s): 2.2 + 6.1<br>Excepted quantity: E0<br>Cargo Aircraft Only: Packaging Instructions: 203,<br>Maximum quantity: 150kg<br>Passenger and Cargo Aircraft: Packaging Instructions: 203,<br>Maximum quantity: 75kg<br>Passenger and Cargo Limited Quantity: Packaging Instructions: Y203, Maximum quantity: 30kg   |



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### 15. SECTION 15: REGULATORY INFORMATION

<b>15.1 Safety, health and environmental regulations/legislation specific for the substance or mixture</b>	
<b>15.1.1 EU regulations</b>	
<b>Authorisations and/or restrictions on use</b>	
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	Listed: Dichloromethane (CAS No.: 75-09-2)
REACH: ANNEX XIV List of substances subject to authorisation	All chemicals are not listed.
Community Rolling Action Plan (CoRAP); Draft 04/11/2013	All chemicals are not listed.
<b>15.1.2 National regulations</b>	None known.
<b>15.2 Chemical Safety Assessment</b>	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
STOT	Specific Target Organ Toxicity
DNEL	Derived No Effect Level
PNEL	Predicted No Effect Concentration
PBT	Persistent, Bioaccumulative and Toxic
vPvB	very Persistent and very Bioaccumulative
OEL	Occupational Exposure Limits
WEL	Workplace Exposure Limit (UK HSE EH40)
BMGV	Bmgv: Biological monitoring guidance value (UK HSE EH40)
Sk	Can be absorbed through skin.
Acute Tox. 4	Acute toxicity Category 4
Aerosol 3	Aerosol Category 3
Eye Irrit. 2	Serious eye damage/irritation Category 2
Flam. Liq. 2	Flammable Liquid Category 2
Flam. Liq. 3	Flammable Liquid Category 3
Skin Irrit. 2	skin corrosion/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
Carc. 2	Carcinogenicity Category 2
Carc. Cat. 3	Category 3 Carcinogen
Press Gas	Gases under pressure Category 3
F	Flammable.
Xi	Irritant
Xn	Harmful

#### Risk Phrases and Safety Phrases

R10	Flammable.
R11	Highly flammable.
R36	Irritating to eyes.
R37	Irritating to respiratory system.











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R38	Irritating to skin.
R40	Limited evidence of a carcinogenic effect.
R48	Danger of serious damage to health by prolonged exposure.
R67	Vapours may cause drowsiness and dizziness.
R20/21	Harmful by inhalation and in contact with skin.

### Hazard statement(s) and Precautionary statement(s)

H225	Highly flammable liquid and vapour.
H226	Flammable liquid and vapour.
H312	Harmful in contact with skin.
H315	Causes skin irritation.
H319	Causes serious eye irritation.
H332	Harmful if inhaled.
H335	May cause respiratory irritation.
H336	May cause drowsiness or dizziness.
H351	Suspected of causing cancer.
H373	May cause damage to organs through prolonged or repeated exposure: Liver.
P202	Do not handle until all safety precautions have been read and understood.
P260	Do not breathe vapour/spray.
P264	Wash hands thoroughly after handling.
P280	Wear protective gloves/protective clothing/eye protection/face protection.
P312	Call a POISON CENTER or doctor/physician if you feel unwell.
P302+P352	IF ON SKIN: Wash with plenty of water.
P304+P340	IF INHALED: Remove person to fresh air and keep comfortable for breathing.
P308+P313	IF exposed or concerned: Get medical advice/attention.
P332+P313	If skin irritation occurs: Get medical advice/attention.
P337+P313	If eye irritation persists: Get medical advice/attention.
P305+P351+P338	IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.
P362+P364	Take off contaminated clothing and wash it before reuse.
P403+P233	Store in a well-ventilated place. Keep container tightly closed.
P405	Store locked up.

### Hazard pictogram(s) and Hazard Symbol

GHS02		Xn	
GHS04		Xi	
GHS07			
GHS08			



## NEOPAINT NPT16 - AEROSOL

Information contained in this publication or as otherwise supplied to Users is believed to be accurate and is given in good faith, but it is for the Users to satisfy themselves of the suitability of the product for their own particular purpose. Johnson and Allen Ltd gives no warranty as to the fitness of the product for any particular purpose and any implied warranty or condition (statutory or otherwise) is excluded except to the extent that exclusion is prevented by law. Johnson and Allen Ltd accepts no liability for loss or damage (other than that arising from death or personal injury caused by defective product, if proved), resulting from reliance on this information. Freedom under Patents, Copyright and Designs cannot be assumed.

### **Annex to the extended Safety Data Sheet (eSDS)**

No information available.