



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

1.1 Product identifier	
Product Name	NEOPAINT NPT16 – 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)	White Background Paint for use in the Magnetic Particle Inspection Process (BS EN ISO 9934-2:2002).
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)	Gases under pressure: Compressed gas; Contains gas under pressure; may explode if heated. Skin Irrit. 2; Causes skin irritation. Carc. 2; Suspected of causing cancer.
2.1.2 Directive 67/548/EEC & Directive 1999/45/EC	Xi; Irritating to skin. Carc. Cat. 3; Limited evidence of a carcinogenic effect.
2.2 Label elements	
2.2.1 Label elements	
Product Name	According to Regulation (EC) No. 1272/2008 (CLP) NEOPAINT NPT16 – AEROSOL.
Hazard Pictogram	  
Signal word(s)	GHS04 GHS08 GHS07 Warning.
Hazard statement(s)	H280: Contains gas under pressure; may explode if heated. H315: Causes skin irritation. H351: Suspected of causing cancer.
Precautionary statement(s)	P201: Obtain special instructions before use. P202: Do not handle until all safety precautions have been read and understood.



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2.2.2 Label elements

Hazard Symbol

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

P302 + P352: IF ON SKIN: Wash with plenty of soap and water.

P332 + P313: If skin irritation occurs: Get medical advice/attention.

P410 + P403: Protect from sunlight. Store in a well-ventilated place.

According to Directive 67/548/EEC & Directive 1999/45/EC



Xn

Risk Phrases

R38: Irritating to skin.

R40: Limited evidence of a carcinogenic effect.

Safety Phrases

S2, S23, S24/25, S36/37.

2.3 Other hazards

High atmospheric concentrations may lead to adverse effects on the central nervous system and anaesthetic effects, including drowsiness, giddiness, headache, nausea and unconsciousness.

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	70-90	75-09-2	200-838-9	None assigned	GHS08, Carc. 2; H351.
Carbon dioxide	10-30	00124-38-9	204-696-9	None assigned	None.
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.
Solid	1-10	None assigned	None assigned	None assigned	None.

EC Classification No. 67/548/EEC

Hazardous ingredient(s)	%W/W	CAS No.	EC No.	REACH Registration No.	EC Classification and Risk Phrases
Dichloromethane	70-90	75-09-2	200-838-9	None assigned	Carc. Cat. 3; R40.
Carbon dioxide	10-30	00124-38-9	204-696-9	None assigned	None.
Xylene	1-10	1330-20-7	215-535-7	None assigned	R10, Xn; R20/21, Xi; R38.
Solid	1-10	None assigned	None assigned	None assigned	None.

3.2 Additional Information

For full text of H/P phrases 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 while holding eyelids open. If symptoms persist, obtain medical attention.

Ingestion

Unlikely route of exposure.

4.2 Most important symptoms and effects, both acute and delayed

Inhalation: Coughing, Wheezing.

Skin Contact: Redness, Pain.

4.3 Indication of immediate medical attention and special treatment needed

If exposed or concerned: Get medical advice/attention.

5. SECTION 5: FIRE-FIGHTING MEASURES

Contains gas under pressure; may explode 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.

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. Avoid breathing vapours. Avoid contact with skin and eyes. Wear protective gloves/protective clothing/eye protection/face protection.

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.

6.5 Additional Information

None.

7. SECTION 7: HANDLING AND STORAGE

7.1 Precautions for safe handling

Obtain special instructions before use. Do not handle until all



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- 7.2 **Conditions for safe storage, including any incompatibilities**
Storage Temperature
Storage Life
Incompatible materials
- 7.3 **Specific end use(s)**
- safety precautions have been read and understood. Provide adequate ventilation. Avoid breathing vapours. Avoid contact with skin and eyes. Wear protective gloves/protective clothing/eye protection/face protection. Wash hands thoroughly after handling. Do not eat, drink or smoke during work.
Store locked up. Protect from sunlight. Store in a well-ventilated place.
Ambient.
Stable under normal conditions.
Strong oxidising agents, Alkalies, Zinc, Aluminium.
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 ³)	STEL (ppm)	STEL (mg/m ³)	Note:
Dichloromethane	72-09-2	100	350	300	1060	WEL, BMGV, Sk.
Xylene	1330-20-7	50	220	100	441	WEL, BMGV, Sk.

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.

8.2.2 Personal protection equipment

Use personal protective equipment as required.

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

Wear a suitable respirator if the ventilation is not sufficient to keep the solvent vapour concentration below the occupational limit values. A suitable mask with filter type A (EN141 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.

Odour

Characteristic odour.

Odour Threshold (ppm)

Not available.



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pH (Value)	Not applicable.
Melting Point (°C)	-94.9°C (Dichloromethane).
Boiling Point (°C)	40°C.
Flash Point (°C)	Not applicable.
Evaporation rate	Not applicable.
Flammability (solid, gas)	Non-flammable.
Explosive limit ranges	Not applicable.
Vapour Pressure (mm Hg)	285.1 mm Hg @ 20°C.
Vapour Density (Air=1)	Not available.
Specific Gravity	1.33g/l @ 20°C (Dichloromethane).
Solubility (Water)	Insoluble in water.
Solubility (Other)	Not available.
Partition Coefficient (n-Octanol/water)	1.25 (Dichloromethane).
Auto Ignition Temperature (°C)	Not applicable.
Decomposition Temperature (°C)	Not available.
Viscosity (mPa.s)	Not applicable.
Explosive properties	Contains gas under pressure; may explode if heated.
Oxidising properties	Not available.
9.2 Other information	None.

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	Heat and direct sunlight.
10.5 Incompatible materials	Strong oxidising agents, Alkalis, Zinc, Aluminium.
10.6 Hazardous Decomposition Product(s)	Phosgene, Hydrochloric acid, Carbon monoxide, Carbon dioxide, Nitrogen oxides.

11. SECTION 11: TOXICOLOGICAL INFORMATION

11.1 Information on toxicological effects	
11.1.1 Mixtures	
Acute toxicity	
Ingestion	Low oral toxicity. Dichloromethane: LD50 (oral,rat) mg/kg: 2100.
Inhalation	Low acute toxicity. Effects and Symptoms: Coughing, Wheezing. Dichloromethane: LC50 (inhalation,rat) mg/l/4h: 158000.
Skin Contact	Low acute toxicity. Dichloromethane: LD50 (skin,rat) mg/kg: >2000.
Eye Contact	Low acute toxicity.
Skin corrosion/irritation	Skin Irrit. 2; Causes skin irritation.
Serious eye damage/irritation	Not classified.
Respiratory or skin sensitization	It is not a skin sensitiser.
Repeated dose toxicity	High atmospheric concentrations may lead to adverse effects on the central nervous system and anaesthetic effects, including drowsiness, giddiness, headache, nausea and unconsciousness.
Carcinogenicity	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.



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		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.
	Mutagenicity	There is no evidence of mutagenic potential.
	Reproductive toxicity	None anticipated.
	Aspiration hazard	Not classified.
11.2	Other information	None.

12. SECTION 12: ECOLOGICAL INFORMATION

12.1	Toxicity	Low toxicity to aquatic organisms. Dichloromethane: LC50 (Fish) (96 hour) = 220000µg/l. EC50 (Daphnia magna) (48 hour) = 1682mg/l. EC50 (Algae) (96 hour) = >660mg/l.
12.2	Persistence and degradability	The product is poorly biodegradable. The product is unlikely to persist in the environment.
12.3	Bioaccumulative potential	The product has no potential for bioaccumulation. Bioconcentration factor (BCF) : 2.3.
12.4	Mobility in soil	The product is volatile and will partition into the atmosphere. The product has high 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.
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	Proper Shipping Name	AEROSOLS.
14.3	Transport hazard class(es)	2.
14.4	Packing Group	None.
14.5	Environmental hazards	Not classified as a Marine Pollutant.
14.6	Special precautions for user	None.
14.7	Transport in bulk according to Annex II of MARPOL73/78 and the IBC Code	Not applicable.
14.8	Additional Information	ADR Classification Code: 5A. EmS: F-S, S-U.

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	None known.
15.1.2	National regulations	None known.
15.2	Chemical Safety Assessment	Not available.



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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	PBT: Persistent, Bioaccumulative and Toxic
vPvB	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.
Flam. Liq. 3	Flammable Liquid Category 3
Acute Tox. 4	Acute toxicity Category 4
Skin Irrit. 2	skin corrosion/irritation Category 2
Carc. 2	Carcinogenicity Category 2
Carc. Cat. 3	Category 3 Carcinogen
Xi	Irritant
Xn	Harmful

Risk Phrases and Safety Phrases

R10	Flammable.
R20/21	Harmful by inhalation and in contact with skin.
R38	Irritating to skin.
R40	Limited evidence of a carcinogenic effect.
S2	Keep out of the reach of children.
S23	Do not breathe vapour.
S24/25	Avoid contact with skin and eyes.
S36/37	Wear suitable protective clothing and gloves.

Hazard statement(s) and Precautionary statement(s)

H226	Flammable liquid and vapour.
H312	Harmful in contact with skin.
H315	Causes skin irritation.
H332	Harmful if inhaled.
H351	Suspected of causing cancer.
P264	Wash hands thoroughly after handling.
P281	Use personal protective equipment as required.
P362	Take off contaminated clothing and wash before reuse.
P405	Store locked up.
P308+P313	If exposed or concerned: Get medical advice/attention.

Hazard pictogram(s) and Hazard Symbol

GHS02



Xn





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GHS04



Xi



GHS07



GHS08



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Annex to the extended Safety Data Sheet (eSDS)

No information available.