



NEOPAINT NPT16 - BULK



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 – BULK. |
| 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. 0114 2738066 0114 2729842 info@johnsonandallen.co.uk |
| Telephone | |
| Fax | |
| E-mail | |
| 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) | 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. |
| 2.1.2 Directive 67/548/EEC & Directive 1999/45/EC | Carc. Cat. 3: Limited evidence of a carcinogenic effect. Xi; Irritating to eyes, respiratory system and skin. Vapours may cause drowsiness and dizziness. Xn; Danger of serious damage to health by prolonged exposure. |
| 2.2 Label elements | |
| Product Name | According to Regulation (EC) No. 1272/2008 (CLP). NEOPAINT NPT16 - BULK. |
| Hazard Pictogram |   |
| Signal word(s) | GHS07 GHS08 Warning. |



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| Hazard statement(s) | <p>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.</p> |
| Precautionary statement(s) | <p>P201: Obtain special instructions before use. P202: Do not handle until all safety precautions have been read and understood. P260: Do not breathe vapour. P271: Use only outdoors or in a well-ventilated area. P312: Call a POISON CENTER/doctor if you feel unwell. P405: Store locked up.</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

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 | GHS07, Skin Irrit. 2; H315, Eye Irrit. 2; H319, STOT SE 3; H335, H336, GHS08, Carc. 2; H351, STOT RE 2; H373 |
| Xylene | 1-10 | 1330-20-7 | 215-535-7 | None assigned | GHS02, Flam. Liq. 3; H226, GHS07, Acute Tox. 4; H332, GHS07, Acute Tox. 4; H312, 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 |

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, Xn; R48, Xi; R36, R37, R38, R67 |
| 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.



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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. Wash out mouth with water. Get medical advice/attention if you feel unwell.

Ingestion

Wash out mouth with water. Get medical advice/attention if you feel unwell.

4.2 Most important symptoms and effects, both acute and delayed

Inhalation: Drowsiness, Dizziness, Confusion, Unconsciousness.

Skin Contact: Redness, Pain.

Ingestion: Nausea, Abdominal pain, Sore throat.

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

Non-flammable.

5.1 Extinguishing Media

Suitable Extinguishing Media

As appropriate for surrounding fire. Water fog or dry powder. Water jet spray.

Unsuitable Extinguishing Media

5.2 Special hazards arising from the substance or mixture

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. Water spray should be used to cool containers.

6. SECTION 6: ACCIDENTAL RELEASE MEASURES

6.1 Personal precautions, protective equipment and emergency procedures

Ensure adequate ventilation. Do not breathe vapour. Avoid contact with skin and eyes. Wear suitable protective clothing, gloves and eye/face protection.

6.2 Environmental precautions

Prevent liquid entering sewers, basements and any watercourses.

6.3 Methods and material for containment and cleaning up

Absorb spillages onto sand, earth or any suitable adsorbent material. Transfer to a container for disposal.

6.4 Reference to other sections

See Section: 8 and 13

6.5 Additional information

None.



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7. SECTION 7: HANDLING AND STORAGE




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| 7.1 Precautions for safe handling | Obtain special instructions before use. Do not handle until all safety precautions have been read and understood. Ensure adequate ventilation. Use only outdoors or in a well-ventilated area. Do not breathe vapour. Wear protective gloves/protective clothing/eye protection/face protection. Wash hands thoroughly after handling. |
| 7.2 Conditions for safe storage, including any incompatibilities | Store locked up. Store in a well-ventilated place. Keep container tightly closed. |
| Storage Temperature | Ambient. |
| Storage Life | Stable under normal conditions. |
| Incompatible materials | Strong oxidising agents, Alkalis, Zinc, Aluminium. |
| Appropriate packaging | Mild steel, Stainless steel. |
| 7.3 Specific end use(s) | 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 | 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 |

| | |
|---|---|
| 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 | |
| Eye/face protection | Wear protective eye glasses for protection against liquid splashes. |
|  | |
| 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. |
| 8.2.3 Environmental Exposure Controls | Prevent liquid entering sewers, basements and any watercourses. |



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9. SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES

9.1 Information on basic physical and chemical properties

| | |
|--|---------------------------------------|
| Appearance | Liquid. |
| 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 | 39.8°C (Dichloromethane). |
| Flash point | Not available. |
| Evaporation rate | Not available. |
| Flammability (solid, gas) | Non-flammable. |
| Upper/lower flammability or explosive limits | Not applicable. |
| Vapour pressure | 348.78mm Hg @ 20°C (Dichloromethane). |
| Vapour density | Not available. |
| Relative density | 1.33g/l @ 20°C (Dichloromethane). |
| Solubility(ies) | Insoluble. |
| Partition coefficient: n-octanol/water | 1.25 (Dichloromethane). |
| Auto-ignition temperature | Not applicable. |
| Decomposition Temperature | Not available. |
| Viscosity | Not available. |
| Explosive properties | Not applicable. |
| Oxidising properties | Not applicable. |

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 | None anticipated. |
| 10.5 Incompatible materials | Strong oxidising agents, Alkalis, Zinc, Aluminium. |
| 10.6 Hazardous Decomposition Product(s) | Phosgene, Hydrochloric acid, Oxides of carbon, Oxides of nitrogen. |

11. SECTION 11: TOXICOLOGICAL INFORMATION

11.1 Information on toxicological effects

11.1.1 Mixtures

Acute toxicity

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|-------------------|---|
| Ingestion | Low oral toxicity. Dichloromethane: LD50 (rat) >2000mg/kg |
| Inhalation | STOT SE 3; May cause drowsiness or dizziness. Low acute toxicity. Effects and Symptoms: Coughing, Wheezing. Dichloromethane: LC50 (rat) 4hour(s) = 49000mg/m ³ |
| Skin Contact | Low acute toxicity. Dichloromethane: LD50 (rat) >2000mg/kg |
| Eye Contact | Low acute toxicity. |
| Irritation | Skin Irrit. 2; Causes skin irritation. Eye Irrit. 2; Causes serious eye irritation. STOT SE 3; May cause respiratory irritation. |



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| <p>Corrosivity</p> <p>Sensitisation</p> <p>Repeated dose toxicity</p> <p>Carcinogenicity</p> <p>Mutagenicity</p> <p>Toxicity for reproduction</p> | <p>Not classified.</p> <p>It is not a skin sensitiser.</p> <p>STOT RE 2; May cause damage to organs through prolonged or repeated exposure: Liver.</p> <p>Carc. 2; Suspected of causing cancer.</p> <p>Dichloromethane:</p> <p>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.</p> <p>There is no evidence of mutagenic potential.</p> |
| <p>11.2 Other information</p> | <p>None anticipated.</p> <p>None.</p> |

12. SECTION 12: ECOLOGICAL INFORMATION

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

13. SECTION 13: DISPOSAL CONSIDERATIONS

| | |
|---|---|
| <p>13.1 Waste treatment methods</p> <p>13.2 Additional Information</p> | <p>Dispose of contents/container to: Waste disposal facility. Recover or recycle if possible. Refer to manufacturer for information on recovery/recycling.</p> <p>Disposal should be in accordance with local, state or national legislation.</p> |
|---|---|

14. SECTION 14: TRANSPORT INFORMATION

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|--|--|
| <p>14.1 UN number</p> <p>14.2 UN Proper Shipping Name</p> <p>14.3 Transport hazard class(es)</p> <p>14.4 Packing Group</p> <p>14.5 Environmental hazards</p> <p>14.6 Special precautions for user</p> <p>14.7 Transport in bulk according to Annex II of MARPOL73/78 and the IBC Code</p> | <p>UN1593</p> <p>DICHLOROMETHANE.</p> <p>6.1</p> <p>III</p> <p>Not classified as a Marine Pollutant.</p> <p>None.</p> <p>Not applicable.</p> |
|--|--|



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14.8 Additional information

14.8.1 ADR/RID

Hazard label(s): 6.1
ADR Classification Code: T1
Special Provisions: 516
Tunnel Restriction Code: E
HI No.: 60
Veh. for tank: AT
Trans. cat: 2
Limited quantity: 5L
Excepted quantity: E1
Packaging Instructions: P001 IBC03 LP01 (Special Provisions: B8, Mixed Provisions: MP19)
UN Portable Tank Instructions: T7 (Special Provisions: TP2)
Tank code: L4BH (Special Provisions: TU15 TE19)
Special Provisions for Carriage:
Packages: V12, Bulk: Loading, etc: CV 13 CV28
Operations: S9

14.8.2 IMDG

Hazard label(s): 6.1
EmS: F-A, S-A
Limited quantity: 5L
Excepted quantity: E1
Packaging Instructions: P001 LP01
IBC Instructions: IBC03 (Special Provisions: B8)
Tank Instructions IMO: UN: T7 (Special Provisions: TP2)

14.8.3 ICAO/IATA

Hazard label(s): 6.1
Excepted quantity: E1
Special Provisions: ERG: 6L
Cargo Aircraft Only: Packaging Instructions: 663,
Maximum quantity: 220L
Passenger and Cargo Aircraft: Packaging Instructions: 655,
Maximum quantity: 60L
Passenger and Cargo Limited Quantity: Packaging Instructions: Y642, Maximum quantity: 2L

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 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.

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 |
| PNEC | Predicted No Effect Concentration |
| PBT | Predicted No Effect Concentration |
| vPvB | Persistent, Bioaccumulative and Toxic |
| OEL | Occupational Exposure Limits |
| WEL | WEL: Workplace Exposure Limit (UK HSE EH40) |
| BMGV | Bmgv: Biological monitoring guidance value (UK HSE EH40) |
| Sk | Sk - Can be absorbed through skin. |
| 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 |
| STOT RE 2 | Specific target organ toxicity — repeated exposure Category 2 |
| Carc. 2 | Carcinogenicity Category 2 |
| Carc. Cat. 3 | Category 3 Carcinogen |
| Flam. Liq. 2 | Flammable Liquid Category 2 |
| Flam. Liq. 3 | Flammable Liquid Category 3 |
| Skin Irrit. 2 | skin corrosion/irritation Category 2 |
| F | Flammable. |
| Xn | Harmful |
| Xi | Irritant |

Risk Phrases and Safety Phrases

| | |
|--------|---|
| R10 | Flammable. |
| R11 | Highly flammable. |
| R36 | Irritating to eyes. |
| R37 | Irritating to respiratory system. |
| 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. |
| S2 | Keep out of the reach of children. |
| S23 | Do not breathe vapour. |
| S24/25 | Toxic in contact with skin and if swallowed. |
| S36/37 | Wear suitable protective clothing and gloves. |

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. |



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| | |
|----------------|--|
| H373 | May cause damage to organs through prolonged or repeated exposure: Liver. |
| P260 | Do not breathe vapour/spray. |
| P264 | Wash hands thoroughly after handling. |
| P280 | Wear protective gloves/protective clothing/eye protection/face protection. |
| 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. |

Hazard pictogram(s) and Hazard Symbol

GHS02



Xn



GHS07



Xi



GHS08



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.

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Annex to the extended Safety Data Sheet (eSDS)

No information available.