



SAFETY DATA SHEET

NEOPAINT NPT16 - AEROSOL

Page 1

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Revision No: 2

1. IDENTIFICATION OF THE SUBSTANCE / PREPARATION AND OF THE COMPANY / UNDERTAKING

Product name: NEOPAINT NPT16 - AEROSOL

Use / description of product: White Background Paint for use in the Magnetic Particle Inspection Process (BS EN ISO 9934-2:2002)

Company name: Johnson and Allen Ltd

Neocol Works

Smithfield

Sheffield

S3 7AR

Tel: 0114 2738066

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2. COMPOSITION / INFORMATION ON INGREDIENTS

Hazardous ingredients: DICHLOROMETHANE 70-90%

EINECS: 200-838-9 CAS: 75-09-2

[Xn] R40

- CO2 10-30%

EINECS: 204-696-9 CAS: 00124-38-9

- XYLENE 1-10%

EINECS: 215-535-7 CAS: 1330-20-7

[-] R10; [Xn] R20/21; [Xi] R38

- SOLIDS 1-10%

3. HAZARDS IDENTIFICATION

Main hazards: Harmful by inhalation and in contact with skin. Limited evidence of a carcinogenic effect.

4. FIRST AID MEASURES (SYMPTOMS)

Skin contact: There may be mild irritation at the site of contact.

Eye contact: There may be irritation, redness and pain.

Ingestion: There may be irritation of the throat. There may be soreness and redness of the mouth and throat. There may be difficulty swallowing. Nausea and stomach pain may occur. Inhalation of fumes from the stomach may cause symptoms similar to direct inhalation. There may be shortness of breath due to congestion of the lungs.

Inhalation: Vapours may cause drowsiness and dizziness. Drowsiness or mental confusion may occur. Exposure may cause coughing or wheezing. There may be congestion of the lungs causing severe shortness of breath. There may be loss of consciousness. Breathing may stop.

4. FIRST AID MEASURES (ACTION)

Skin contact: Remove contaminated clothing, including shoes, and launder before re-use. Wash immediately with plenty of soap and water. Transfer to hospital if there are burns or symptoms of poisoning.

[cont...]

SAFETY DATA SHEET

NEOPAINT NPT16 - AEROSOL

- Eye contact:** Remove any contact lenses. Bathe the eye with running water for 15 minutes. If irritation persists get medical assistance.
- Ingestion:** Wash out mouth with water. Do not induce vomiting. Transfer to hospital as soon as possible. Note to Physician: because rapid absorption may occur through lungs if aspirated and cause systemic effects, the decision of whether to induce vomiting or not should only be made by an attending physician. If lavage is performed by a physician, suggest endotracheal and/or esophageal control. Danger from lung aspiration must be weighed against toxicity when considering emptying the stomach. Exposure may increase myocardial irritability. DO NOT administer sympathomimetic drugs unless absolutely necessary. No specific antidote. Supportive care. Treatment based on judgement of the physician in response to reactions of the patient.
- Inhalation:** Remove casualty from exposure ensuring one's own safety whilst doing so. If conscious, ensure the casualty sits or lies down. If unconscious and breathing is OK, place in the recovery position. If breathing is irregular or has stopped, administer artificial respiration. Seek medical advice Transfer to hospital as soon as possible.

5. FIRE-FIGHTING MEASURES

- Extinguishing media:** Water fog. Dry chemical powder. Suitable extinguishing media for the surrounding fire should be used. Use water spray to cool containers. WATER JET IS NOT SUITABLE AS AN EXTINGUISHING MEDIA
- Exposure hazards:** In combustion emits toxic fumes.
- Protection of fire-fighters:** Wear self-contained breathing apparatus. Wear protective clothing to prevent contact with skin and eyes.

6. ACCIDENTAL RELEASE MEASURES

- Personal precautions:** Refer to section 8 of SDS for personal protection details. If outside do not approach from downwind. If outside keep bystanders upwind and away from danger point. Mark out the contaminated area with signs and prevent access to unauthorised personnel. Evacuate area of personnel except for those persons who will clean up the spillage and they should be fitted with self-contained respiratory apparatus and protective clothing. Do not attempt to take action without suitable protective clothing - see section 8 of SDS.
- Environmental precautions:** Do not allow to enter sewers, surface or ground water. Contain the spillage using bunding. Spillages should be cleaned up immediately, under maximum ventilation with dry sand, earth or other inert materials. Alert the neighbourhood to the presence of fumes or gas. Advise police if substance has entered a watercourse or sewer or has contaminated soil or vegetation.
- Clean-up procedures:** Clean-up should be dealt with only by qualified personnel familiar with the specific substance. Absorb into dry earth or sand. Transfer to a closable, labelled salvage container for disposal by an appropriate method. Dispose of in accordance with regulations

7. HANDLING AND STORAGE

Handling requirements: Ensure there is sufficient ventilation of the area. Avoid the inhalation of vapour/spray. Avoid skin and eye contact. Smoking and eating and drinking should be prohibited in storage and use areas. Do not handle in a confined space.

Storage conditions: Store in cool, well ventilated area. Store in dry conditions. Keep away from direct sunlight. Keep away from sources of ignition. The vapour is heavier than air, hence, will be slow to disperse at floor level, in enclosed vessels etc.

8. EXPOSURE CONTROLS / PERSONAL PROTECTION

Hazardous ingredients: DICHLOROMETHANE

WEL (8 hr exposure limit): 350 mg/m³ WEL (15 min exposure limit): 1060 mg/m³

- CO₂

WEL (8 hr exposure limit): 5000ppm WEL (15 min exposure limit): 15000ppm

- XYLENE

WEL (8 hr exposure limit): 220 mg/m³ WEL (15 min exposure limit): 441 mg/m³

Engineering measures: Ensure there is sufficient ventilation of the area. Use of local Ex. exhaust ventilation is recommended. Ensure all engineering measures mentioned in section 7 of SDS are in place.

Respiratory protection: Respiratory protection should not be necessary during normal use. Where concentrations in air may exceed exposure limits, autonomous breathing apparatus or filter material of Type A or similar should be considered.

Hand protection: Protective gloves. PVA gloves. Viton gloves.

Eye protection: Suitable eye protection designed to protect against liquid splashes should be worn. Ensure eye bath is to hand.

Skin protection: Protective clothing.

9. PHYSICAL AND CHEMICAL PROPERTIES

State: Aerosol

Colour: White

Odour: Characteristic odour

Solubility in water: Insoluble

10. STABILITY AND REACTIVITY

Stability: Stable under normal conditions.

Conditions to avoid: Heat. Hot surfaces. Flames.

Materials to avoid: Strong oxidising agents. Strong acids. Should not be left in contact with finely divided light metal e.g. aluminium powder or swarf.

Haz. decomp. products: When heated in air to decomposition: Phosgene fumes are emitted together with Hydrochloric Acid. In combustion emits toxic fumes of carbon dioxide. In combustion emits toxic fumes of carbon monoxide. In combustion emits toxic fumes of nitrogen oxides.

11. TOXICOLOGICAL INFORMATION

Hazardous ingredients: DICHLOROMETHANE
ORL MUS LD50 4770 mg/kg
ORL RAT LD50 5350 mg/kg
SCU MUS LD50 6460 mg/kg

- XYLENE
ORL MUS LD50 2119 mg/kg
ORL RAT LD50 4300 mg/kg
SCU RAT LD50 1700 mg/kg

Chronic toxicity: Danger of very serious irreversible effects through inhalation. In confined/poorly ventilated areas, vapours can readily accumulate and cause anaesthetic and narcotic effects, dizziness/drunkenness and lead to unconsciousness and death. High levels may also cause cardiac arrhythmias (irregular heartbeats). A single prolonged exposure to skin is not likely to result in the material being absorbed through the skin in harmful amounts. May cause more severe response if confined to skin.

Routes of exposure: Refer to section 4 of SDS for routes of exposure and corresponding symptoms.

12. ECOLOGICAL INFORMATION

Mobility: Volatile. Insoluble in water. Heavier than water. Heavier than air. Readily absorbed into soil.

Persistence and degradability: Expected to be slowly biodegradable.

Bioaccumulative potential: Bioconcentration factor (BCF) is estimated to be 2.3.

Other adverse effects: Negligible ecotoxicity. Material is harmful to aquatic organisms (LD50/EC50/IC50 between 10 and 100mg/L).

13. DISPOSAL CONSIDERATIONS

Disposal operations: Full aerosol cans must be disposed of as hazardous waste. Empty aerosol cans should be disposed of in accordance with Local Authority Regulations. Material must be disposed of in an environmentally acceptable manner at an approved facility. Consignments must be prenotified to the receiving Environment Agency.
Manufacturer can advise on recovery.

Disposal of packaging: Empty aerosols can be recycled. Packaging, card and plastics can be recycled.

NB: The user's attention is drawn to the possible existence of regional or national regulations regarding disposal.

14. TRANSPORT INFORMATION**ADR / RID**

UN no: 1950

ADR Class: 2

Classification code: 5A

SAFETY DATA SHEET
NEOPAINT NPT16 - AEROSOL

Shipping name: AEROSOLS

Labelling: 2.2



IMDG / IMO

UN no: 1950

Class: 2

EmS: F-D,S-U

Marine pollutant: .

Labelling: 2.2

IATA / ICAO

UN no: 1950

Class: 2

Labelling: 2.2

15. REGULATORY INFORMATION

Hazard symbols: Harmful.



Risk phrases: R20/21: Harmful by inhalation and in contact with skin.

R40: Limited evidence of a carcinogenic effect.

Safety phrases: S3/9/14: Keep in a cool, well ventilated place away from direct sunlight.

S20/21: When using do not eat, drink or smoke.

S23: Do not breathe vapour/spray

S24/25: Avoid contact with skin and eyes.

S26: In case of contact with eyes, rinse immediately with plenty of water and seek medical advice.

S35: This material and its container must be disposed of in a safe way.

S36/37: Wear suitable protective clothing and gloves.

S38: In case of insufficient ventilation, wear suitable respiratory equipment.

S46: If swallowed, seek medical advice immediately and show this container or label.

S51: Use only in well-ventilated areas.

Do not apply to hot surfaces, smoke or weld whilst using this product.

Precautionary phrases: 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 a naked flame or any incandescent material. Keep away from sources of ignition - No smoking. Keep out of the reach of children.

Note: The regulatory information given above only indicates the principal regulations specifically

SAFETY DATA SHEET
NEOPAINT NPT16 - AEROSOL

applicable to the product described in the safety data sheet. The user's attention is drawn to the possible existence of additional provisions which complete these regulations. Refer to all applicable national, international and local regulations or provisions.

16. OTHER INFORMATION

Risk phrases used in s.2: R40: Limited evidence of a carcinogenic effect.

R10: Flammable.

R20/21: Harmful by inhalation and in contact with skin.

R38: Irritating to skin.

Legal disclaimer: The above information is believed to be correct but does not purport to be all inclusive and shall be used only as a guide. This company shall not be held liable for any damage resulting from handling or from contact with the above product.