



SAFETY DATA SHEET

ECO 2

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Revision No: 2

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

Product name: ECO 2

Use of substance / mixture: A removable, water based, Contrast Aid Paint for use in the M.P.I. process (BS EN ISO 9934-2:2002).

Company name: Johnson and Allen Ltd
Neocol Works
Smithfield
Sheffield
S3 7AR
Tel: 0114 2738066
Fax: 0114 2729842
Email: info@johnsonandallen.co.uk

2. HAZARDS IDENTIFICATION

Workplace exposure limit: This substance has a workplace exposure limit: (UK: WEL 8 hr exposure 10 mg.m. Respirable dust WEL 8 hr exposure 5 mg.m).

PBT: This substance is not identified as a PBT substance.

Directive 1999/45/EC: This does not meet the criteria for classification as dangerous in accordance with Directive 1999/45/EC.

Other hazards: This product is not classified as hazardous under the CHIP (3) Regs.

3. COMPOSITION / INFORMATION ON INGREDIENTS

Contains: A water based proprietary blend of inert pigment, resin and extenders and stabilisers supplied in bulk form.

This product does not contain any substance presenting a health or environmental hazard within the meaning of CHIP regulations.

Contains up to 50gram per litre of VOC's.

4. FIRST AID MEASURES

Skin contact: Remove contaminated clothing, including shoes, and launder before re-use. Wash thoroughly with soap and water as soon as possible. Do NOT use solvents or thinners.

Eye contact: Remove any contact lenses. Immediately rinse with clean water for 15 minutes while holding eyes open. Seek medical advice.

Ingestion: If swallowed obtain immediate medical attention. Keep at rest. Do not induce vomiting.

Inhalation: Remove casualty from exposure ensuring one's own safety whilst doing so. Keep the affected person warm and at rest. If breathing is irregular seek medical advice. Perform artificial respiration if breathing has stopped. Give

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nothing by mouth. If unconscious place in recovery position and seek medical advice.

5. FIRE-FIGHTING MEASURES

Extinguishing media: Alcohol resistant foam. Carbon dioxide. Dry chemical powder. Water mist/spray. WATER JET IS NOT SUITABLE AS AN EXTINGUISHING MEDIA

Exposure hazards: Smoke. In combustion emits toxic fumes of carbon dioxide. In combustion emits toxic fumes of carbon monoxide. In combustion emits toxic fumes of nitrogen oxides. Cool closed containers exposed to fire with water spray. Do not allow run-off from fire fighting to enter drains or water courses.

Protection of fire-fighters: Wear self-contained breathing apparatus.

6. ACCIDENTAL RELEASE MEASURES

Personal precautions: Exclude non essential personnel. Avoid breathing vapours. Refer to section 8 of SDS for personal protection details.

Environmental precautions: Do not allow to enter sewers, surface or ground water.

Clean-up procedures: Absorb into dry earth or sand. Transfer to a closable, labelled salvage container for disposal by an appropriate method. Clean preferably with a detergent; avoid the use of solvents. If the product enters drains or sewers, immediately contact the local water company; or in case of contamination of streams, rivers or lakes, the local environment agency. Refer to section 13 of SDS for suitable method of disposal.

7. HANDLING AND STORAGE

Handling requirements: Vapour is heavier than air. Avoid skin and eye contact. Avoid the inhalation of vapour/spray. Do not handle or store near an open flame, sources of heat or sources of ignition. Smoking and eating and drinking should be prohibited in storage and use areas. Never use pressure to empty; the container is not a pressure vessel. The accumulation of contaminated rags may result in spontaneous combustion. Handle in accordance with good industrial hygiene and safety practice The Manual Handling Operations Regulations may apply to the handling of containers of this product.

Storage conditions: Store between 5 and 25 deg. C. Store in sealed containers in ventilated covered storage areas. Store in dry conditions. Keep away from heat. Keep away from sources of ignition. Keep away from direct sunlight. Keep container tightly closed. Store separately from oxidising agents and strongly alkaline and strongly acidic materials. No smoking.

Suitable packaging: Must only be kept in original packaging.

8. EXPOSURE CONTROLS / PERSONAL PROTECTION

Workplace exposure limits: ECO 2

UK - 8 hour TWA: 10 mg.m

UK - 8 hour TWA: 5 mg.m (Respirable dust)

Engineering measures: Ensure there is sufficient ventilation of the area. Local exhaust ventilation is recommended to control process emissions near the source. If levels are above Occupational Exposure Limit Values suitable respiratory protection must be worn.

Respiratory protection: Local exhaust ventilation and good extraction should be used to control any build up of airborne material.

Hand protection: Advice should be sought from glove supplier on appropriate types and usage times for this product. The information and instructions provided by the glove supplier on use, storage, maintenance and replacement must be followed. Barrier creams may help to protect exposed areas of skin but are not substitutes for full physical protection. They should not be applied once exposure has occurred.

Eye protection: Suitable eye protection designed to protect against liquid splashes should be worn.

Skin protection: Cotton or synthetic/cotton overalls should be worn. Grossly contaminated clothing should be removed and skin washed with soap and water. Regular skin inspection of users of this product is recommended. Wash at end of work shift and before eating, smoking and using the toilet.

9. PHYSICAL AND CHEMICAL PROPERTIES

State: Slightly structured liquid

Colour: White

Solubility in water: Miscible

Viscosity: 0.5 -2.0 poise

Viscosity test method: ICI C & P / BS3900

Flash point°C: n/a

10. STABILITY AND REACTIVITY

Stability: Stable under normal conditions.

Materials to avoid: Keep away from oxidising agents and strongly alkaline and strongly acidic materials to prevent the possibility of exothermic reaction

Haz. decomp. products: Smoke. In combustion emits toxic fumes of carbon dioxide / carbon monoxide. In combustion emits toxic fumes of nitrogen oxides.

11. TOXICOLOGICAL INFORMATION**11. TOXICOLOGICAL INFORMATION (SYMPTOMS)**

Skin contact: Repeated or prolonged contact with solvents may cause removal of natural fats from the skin, resulting in non-allergenic contact dermatitis and absorption through the skin.

Eye contact: Splashes in the eye may cause irritation and reversible local damage.

12. ECOLOGICAL INFORMATION

Mobility: Mobile liquid. Miscible with water.

Persistence and degradability: No data available.

Bioaccumulative potential: No data available.

Other adverse effects: This product is not classified as dangerous for the environment, but contains substances so classified. The product should not be allowed to enter drains or watercourses or be deposited where it can affect ground or surface waters. LAPC/LAPPC/IPPC requirements of regulations made under the Environmental Protection Act/ Pollution Prevention and Control Act may apply to the use of this product.

PBT identification: This substance is not identified as a PBT substance.

13. DISPOSAL CONSIDERATIONS

Disposal operations: Do not allow into drains or water courses or dispose of where ground or surface waters may be affected. Wastes, including emptied containers, are controlled wastes and should be disposed of in accordance with the regulations made under The Control of Pollution Act and The Environment Protection Act.

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: Not Classified.

IMDG / IMO

UN no: Not Classified.

IATA / ICAO

UN no: Not Classified.

15. REGULATORY INFORMATION (CHIP)

Safety phrases: S2: Keep out of the reach of children.
S16: Keep away from sources of ignition - No smoking.
S17: Keep away from combustible material.
S23: Do not breathe vapour/spray.
S38: In case of insufficient ventilation, wear suitable respiratory equipment.
S43: In case of fire, use foam or dry powder - NEVER USE WATER JET
S45: In case of accident or if you feel unwell, seek medical advice immediately (show the label where possible).
S53: Avoid exposure - obtain special instructions before use.

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

Other information: This safety data sheet is prepared in accordance with Regulation (EC) No 1907/2006.

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.