SAFETY DATA SHEET

PAINT DRIERS

Issued: 31/07/04

Revision No: 2

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

Product name: PAINT DRIERS

Product code: PAID

Synonyms: PAINT DRIERS

Company name: Rustins Ltd
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Cricklewood
London
NW2 7TX
United Kingdom
Tel: +44 (0)208 450 4666
Fax: +44 (0)208 452 2008
Emergency tel: +44 (0)208 205 8709

2. COMPOSITION / INFORMATION ON INGREDIENTS

Hazardous ingredients: COBALT OCTOATE 1-10%
[Xn] R22; [Sens.] R43; [Xi] R66

- CALCIUM DRIER 4% 10-30%
  [-] R10; [N] R51/53; [Xn] R65; [Xi] R66
- NAPTHA (PETROLEUM) HYDROTREATED HEAVY 50-70%
  CAS: 64742-48-9
  EINECS: 265-150-3
  [Xn] R65; [Xi] R66; [-] R67
- BUTAN-1-OL 1-10%
  CAS: 71-36-3
  EINECS: 200-751-6
  [-] R10; [Xn] R22; [Xi] R37/38; [Xi] R41; [-] R67
- 1,2,4-TRIMETHYLBENZENE 1-10%
  CAS: 95-63-6
  EINECS: 202-436-9
  [-] R10; [Xn] R20; [Xi] R36/37/38; [N] R51/53
- LOW BOILING POINT NAPHTHA - UNSPECIFIED - SOLVENT NAPHTHA (PETROLEUM), LIGHT AROM. 1-10%
  CAS: 64742-95-6
  EINECS: 265-199-0
  [F+] R12; [Xi] R38; [N] R51/53; [Xn] R65
- MESITYLENE <1%
  CAS: 108-67-8

[cont...]

EINECS: 203-604-4

[-] R10; [Xi] R37; [N] R51/53

3. HAZARDS IDENTIFICATION

Main hazards: Flammable. May cause sensitisation by skin contact. Harmful to aquatic organisms, may cause long-term adverse effects in the aquatic environment. Harmful: may cause lung damage if swallowed. Repeated exposure may cause skin dryness or cracking. Vapours may cause drowsiness and dizziness.

4. FIRST AID MEASURES (SYMPTOMS)

Skin contact: May cause irritation on prolonged or repeated contact.

Eye contact: Irritation with short term redness and stinging.

Ingestion: May cause nausea and diarrhoea. Aspiration into the lungs after ingestion will cause severe lung damage and may cause fatal pneumonitis.

Inhalation: May cause irritation of the respiratory tract.

4. FIRST AID MEASURES (ACTION)

Skin contact: Remove contaminated clothing. Wash skin thoroughly with soap and water or use a proprietry skin cleaner. Do NOT use solvents or thinners. If irritation persists seek medical attention.

Eye contact: Contact lenses should be removed. Irrigate copiously with clean, fresh water for at least 10 minutes, holding the eyelids apart, and seek medical advice.

Ingestion: If accidentally swallowed, wash mouth out with water. Do not induce vomiting, keep at rest and obtain medical attention.

Inhalation: Remove to fresh air, keep the patient warm and at rest. If breathing has stopped, administer artificial respiration. Give nothing by mouth if unconscious, place in the recovery position and seek medical advice.

5. FIRE-FIGHTING MEASURES

Extinguishing media: Carbon dioxide (CO2). Dry chemical powder. Alcohol resistant foam. Sand or earth. DO NOT USE WATER.

Exposure hazards: In a fire, hazardous decompostition products such as smoke and Carbon Monoxide may be produced.

Protection of fire-fighters: Exposure to decomposition products may be a hazard to health. Appropriate self-contained breathing apparatus may be required. Cool closed containers exposed to fire with water spray. Do NOT allow run-off from fire fighting to enter drains or water courses.

6. ACCIDENTAL RELEASE MEASURES

Personal precautions: Ventilate the area. Eliminate all sources of ignition. No Smoking. Avoid inhaling vapour. Mark out the contaminated area with signs and prevent access to unauthorised personnel. Do not attempt to take action without suitable protective clothing (see section 8).

[cont...]

Environmental precautions: Do not discharge into drains or rivers. If the product enters drains or sewers, the local water company should be contacted immediately. In the case of contamination of streams, rivers or lakes contact the relevant environment agency.

Clean-up procedures: Contain and collect spillages with non-combustible absorbent materials, e.g. sand, earth, vermiculite. Transfer into a suitable container for disposal in accordance with the waste regulations (see section 13) Do not use equipment in clean-up procedure which may produce sparks. Clean preferably with a detergent, avoid the use of solvents.

7. HANDLING AND STORAGE

Handling requirements: Ensure there is sufficient ventilation of the area. Avoid inhalation of vapour. Avoid skin and eye contact. Smoking, eating and drinking should be prohibited in areas of storage and use. Exclude sources of heat, sparks and open flame. Earth any equipment used in handling. Use non-sparking tools. The Manual Handling Operations Regulations may apply to the handling of containers of this product.

Storage conditions: Store in cool, well ventilated area. Keep container tightly closed. Keep away from direct sunlight. Exclude sources of heat, sparks and open flame. Take precautionary measures to prevent product spills into drains, the ground or waters. Although the storage of this product is not subject to specific statutory requirements, the principles contained in the HSE guidance note Storage of Flammable Liquids in containers, should be observed.

Suitable packaging: Ideally, keep in original container. If transfer is necessary use glass or coated steel containers.

8. EXPOSURE CONTROLS / PERSONAL PROTECTION

Hazardous ingredients: BUTAN-1-OL

STEL (15 min exposure limit): 154 mg/m3 (OES)

- MESITYLENE

TWA (8 hr exposure limit): 25 ppm (OES)

Engineering measures: Provide adequate ventilation. Where reasonably practicable, this should be achieved by the use of local exhaust ventilation and good general extraction. If these are not sufficient to maintain concentrations of particulates and/or solvent vapours below the relevant occupational exposure limits, suitable respiratory protective equipment should be worn (see Respiratory protection below).

Respiratory protection: All personal protective equipment, including respiratory protective equipment, used to control exposure to hazardous substances must be selected to meet the requirements of the COSHH Regulations.

Hand protection: Where repeated skin exposure may occur, wear Nitrile gloves.

Eye protection: Safety goggles. Ensure eye bath is to hand.

Skin protection: Overalls are normally suitable, PVC apron if risk of splashing.

[cont...]

9. PHYSICAL AND CHEMICAL PROPERTIES

State: Liquid

Odour: Paraffinic.

Solubility in water: Insoluble

Boiling point/range°C: 150-190

Flash point°C: 38

Relative density: 0.820 @ 20 C

10. STABILITY AND REACTIVITY

Stability: Stable under normal storage and handling conditions (see Section 7).

Conditions to avoid: Avoid heat, flames and sparks. Keep away from oxidising agents and strongly alkaline and strongly acidic materials to prevent the possibility of exothermic reaction.

Materials to avoid: Oxidising agents. Strong acids.

Haz. decomp. products: In a fire, hazardous decomposition products such as smoke and carbon monoxide may be produced.

11. TOXICOLOGICAL INFORMATION

Hazardous ingredients: BUTAN-1-OL

IVN RAT LD50 310 mg/kg

ORL MUS LD50 2680 mg/kg

ORL RAT LD50 790 mg/kg

- 1,2,4-TRIMETHYLBENZENE

  IPR RAT LDLO 1752 mg/kg

  ORL RAT LD50 5 gm/kg

- LOW BOILING POINT NAPHTHA - UNSPECIFIED - SOLVENT NAPHTHA (PETROLEUM), LIGHT AROM.

  ORL RAT LD50 8400 mg/kg

- MESITYLENE

  IPR GPG LDLO 1303 mg/kg

Routes of exposure: This product has not been tested for toxicity. The toxicological properties given in this section are based on those of the solvents. The vapour is irritating to the eyes and splashes of liquid may cause discomfort and possible damage. Prolonged skin contact will have a defatting effect, which may lead to irritation and possibly dermatitis. Vapour irritates the eyes and the respiratory tract. Swallowing may cause lung damage. Risk of severe pulmonary problems in case of accidental aspiration.

12. ECOLOGICAL INFORMATION

Mobility: Insoluble in water. Partially volatile. Partially absorbed into soil. The product should not be

[cont...]

allowed to enter drains or water courses or be deposited where it can affect ground or surface waters.

Other adverse effects: There is no data available on the product itself.

13. DISPOSAL CONSIDERATIONS

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: 1263 **ADR Class:** 3

Labelling: 3 **Hazard ID no:** 30

IMDG / IMO

UN no: 1263 **Class:** 3

Packing group: III **EmS:** 3-05

Marine pollutant: YES **Labelling:** 3

IATA / ICAO

UN no: 1263 **Class:** 3

Packing group: III **Packing instructions:** 310

Labelling: 3

15. REGULATORY INFORMATION

Hazard symbols: Harmful.

Risk phrases: R10: Flammable.

R43: May cause sensitisation by skin contact.

R52/53: Harmful to aquatic organisms, may cause long-term adverse effects in the aquatic environment.

R65: Harmful: may cause lung damage if swallowed.

R66: Repeated exposure may cause skin dryness or cracking.

R67: Vapours may cause drowsiness and dizziness.

[cont...]

Safety phrases: S24: Avoid contact with skin.

S37: Wear suitable gloves.

S2: Keep out of the reach of children.

S16: Keep away from sources of ignition - No smoking.

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. Saftey Data Sheet complies with UK regulatory refernces in accordance with CHIP 3.

16. OTHER INFORMATION

Risk phrases used in s.2: R22: Harmful if swallowed.

R43: May cause sensitisation by skin contact.

R66: Repeated exposure may cause skin dryness or cracking.

R10: Flammable.

R51/53: Toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment.

R65: Harmful: may cause lung damage if swallowed.

R67: Vapours may cause drowsiness and dizziness.

R37/38: Irritating to respiratory system and skin.

R41: Risk of serious damage to eyes.

R20: Harmful by inhalation.

R36/37/38: Irritating to eyes, respiratory system and skin.

R12: Extremely flammable.

R38: Irritating to skin.

R37: Irritating to respiratory system.

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. As the specific conditions of use of the product are outside the supplier's control, the user is responsible for ensuring that the requirements of relevant legislation are complied with.