



SAFETY DATA SHEET
POLYURETHANE FLOOR SEALER

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Issued: 31/07/04
Revision No: 2

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

Product name: POLYURETHANE FLOOR SEALER
Product code: POFS
Synonyms: POLYURETHANE FLOOR SEALER - GLOSS & SATIN
Company name: Rustins Ltd
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Cricklewood
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United Kingdom
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2. COMPOSITION / INFORMATION ON INGREDIENTS

Hazardous ingredients: NAPHTHA (PETROLEUM) HYDROTREATED HEAVY 50-70%
CAS: 64742-48-9
EINECS: 265-150-3
[Xn] R65; [Xi] R66; [-] R67

- CALCIUM DRIER 4% <1%
[-] R10; [N] R51/53; [Xn] R65; [Xi] R66
- 1,2,4-TRIMETHYLBENZENE <1%
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%
CAS: 64742-95-6
EINECS: 265-199-0
[F+] R12; [Xi] R38; [N] R51/53; [Xn] R65
- MESITYLENE <1%
CAS: 108-67-8
EINECS: 203-604-4
[-] R10; [Xi] R37; [N] R51/53

3. HAZARDS IDENTIFICATION

Main hazards: Flammable. Repeated exposure may cause skin dryness or cracking.

[cont...]

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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.

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 proprietary 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 jet.

Exposure hazards: In a fire, hazardous decomposition 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).

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.

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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. Take precautionary measures to prevent product spills into drains, the ground or waters. 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: 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.

9. PHYSICAL AND CHEMICAL PROPERTIES

State: Liquid

Colour: Pale amber.

Odour: Paraffinic.

Solubility in water: Not miscible

Viscosity: Viscous

Boiling point/range°C: 150-190

Melting point/range°C: <0

Flash point°C: 38

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Relative density: 0.915

10. STABILITY AND REACTIVITY

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

Conditions to avoid: Avoid heat, flames and sparks. Direct sunlight.

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: 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.

12. ECOLOGICAL INFORMATION

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



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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

Risk phrases: R10: Flammable.
R66: Repeated exposure may cause skin dryness or cracking.

Safety phrases: S2: Keep out of the reach of children.
S51: Use only in well-ventilated areas.
S16: Keep away from sources of ignition - No smoking.
S24/25: Avoid contact with skin and eyes.

Precautionary phrases: Contains methyl ethyl ketoxime, cobalt octoate. May produce an allergic reaction.

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. Safety Data Sheet complies with UK regulatory references in accordance with CHIP 3.

16. OTHER INFORMATION

Risk phrases used in s.2: R65: Harmful: may cause lung damage if swallowed.
R66: Repeated exposure may cause skin dryness or cracking.
R67: Vapours may cause drowsiness and dizziness.
R10: Flammable.
R51/53: Toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment.
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.