



**SAFETY DATA SHEET**  
PLASTIC FLOOR COATING GLOSS& SATIN

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Issued: 31/07/2004  
Revision No: 2

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

**Product name:** PLASTIC FLOOR COATING GLOSS& SATIN  
**Product code:** PCFL  
**Company name:** Rustins Ltd  
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**2. COMPOSITION / INFORMATION ON INGREDIENTS**

**Hazardous ingredients:** BAS 110 10-30%  
[Xn] R65; [Xi] R66; [-] R67

- ISOBUTANOL 1-10%  
EINECS: 201-148-0 CAS: 78-83-1  
[-] R10; [Xi] R37/38; [Xi] R41; [-] R67
- FORMALDEHYDE <1%  
EINECS: 200-001-8 CAS: 50-00-0  
[T] R23/24/25; [C] R34; [Xn] R40; [Sens.] R43
- XYLENE 1-10%  
EINECS: 215-535-7 CAS: 1330-20-7  
[-] R10; [Xn] R20/21; [Xi] R38
- PROPAN-2-OL 1-10%  
EINECS: 200-661-7 CAS: 67-63-0  
[F] R11; [Xi] R36; [-] R67
- ETHANOL 1-10%  
EINECS: 200-578-6 CAS: 64-17-5  
[F] R11
- METHANOL <1%  
EINECS: 200-659-6 CAS: 67-56-1  
[F] R11; [T] R23/24/25; [T] R39/23/24/25

**3. HAZARDS IDENTIFICATION**

**Main hazards:** Flammable. Irritating to eyes. May cause sensitisation by skin contact. Vapours may cause drowsiness and dizziness.

[cont...]

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**4. FIRST AID MEASURES (SYMPTOMS)**

**Skin contact:** Irritation. Repeated or prolonged contact may cause defatting of the skin leading to irritation and dermatitis.

**Eye contact:** Irritation. May cause corrosive burns.

**Ingestion:** Nausea, vomiting and dizziness. Harmful, causing internal irritation.

**Inhalation:** Irritation of the respiratory tract. Drowsiness, nausea and dizziness.

**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 15 minutes, holding the eyelids apart, and seek medical attention.

**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 there is difficulty in breathing, properly trained personnel may administer oxygen. If breathing has stopped, administer artificial respiration (NOT mouth to mouth). Seek medical attention.

**5. FIRE-FIGHTING MEASURES**

**Extinguishing media:** Water spray, fog or mist. Carbon dioxide (CO<sub>2</sub>). Dry chemical powder. Alcohol resistant foam. Sand or earth. Do NOT use water jet.

**Exposure hazards:** Highly flammable. The vapour is heavier than air and may travel along the ground, collect in work pits and cellars, creating a fire and respiratory hazard. In combustion may emit toxic fumes of carbon dioxide, carbon monoxide, formaldehyde, oxides of nitrogen and hydrogen cyanide.

**Protection of fire-fighters:** Exposure to decomposition products may be a hazard to health. Wear appropriate self-contained breathing apparatus. 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. Avoid inhaling vapour. No Smoking. Do not attempt to take action without suitable protective clothing (see section 8). The vapour is heavier than air and may collect in confined areas creating a respiratory and fire hazard. Mark out the contaminated area with signs and prevent access to unauthorised personnel.

**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

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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 away from direct sunlight. Keep the container tightly closed. Exclude sources of heat, sparks and open flame. Non-sparking tools should be used. Take precautionary measures to prevent product spills into drains, the ground or waters. Further guidance is contained in the HSE guidance note Storage of Flammable Liquids in Containers.

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

### 8. EXPOSURE CONTROLS / PERSONAL PROTECTION

**Hazardous ingredients:** BAS 110  
TWA (8 hr exposure limit): 1000mg/m<sup>3</sup> (OES)

- ISOBUTANOL  
TWA (8 hr exposure limit): 154 mg/m<sup>3</sup> STEL (15 min exposure limit): 231 mg/m<sup>3</sup> (OES)
- FORMALDEHYDE...100%  
TWA (8 hr exposure limit): 2.5 mg/m<sup>3</sup> STEL (15 min exposure limit): 2.5 mg/m<sup>3</sup> (OES)
- XYLENE  
TWA (8 hr exposure limit): 220 mg/m<sup>3</sup> STEL (15 min exposure limit): 441 mg/m<sup>3</sup> (OES)
- PROPAN-2-OL  
TWA (8 hr exposure limit): 999 mg/m<sup>3</sup> STEL (15 min exposure limit): 1250 mg/m<sup>3</sup> (OES)
- ETHANOL  
TWA (8 hr exposure limit): 1920 mg/m<sup>3</sup> (OES)
- METHANOL  
TWA (8 hr exposure limit): 266 mg/m<sup>3</sup> STEL (15 min exposure limit): 333 mg/m<sup>3</sup> (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:** If there is a risk of exposure to high vapour concentrations, use respiratory protective equipment. 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.

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**Hand protection:** Wear Nitrile gloves. Wash hands thoroughly after handling chemicals.

**Eye protection:** Eye protection designed to protect against liquid splashes should be worn. 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:** Clear (pale amber).

**Odour:** Pungent

**Oxidising:** Non-oxidising (by EC criteria)

**Solubility in water:** Insoluble

**Viscosity:** Viscous

**Boiling point/range°C:** 80

**Flash point°C:** 16

**Relative density:** 0.976@20 C

## 10. STABILITY AND REACTIVITY

**Stability:** Stable under normal conditions.

**Conditions to avoid:** Heat. Flames. Sources of ignition.

**Materials to avoid:** Strong oxidising agents.

**Haz. decomp. products:** In combustion may emit toxic fumes of carbon dioxide, carbon monoxide, formaldehyde, oxides of nitrogen and hydrogen cyanide.

## 11. TOXICOLOGICAL INFORMATION

**Hazardous ingredients:** ISOBUTANOL  
IVN MUS LD50 417 mg/kg  
IVN RAT LD50 340 mg/kg  
ORL RAT LD50 2460 mg/kg

- FORMALDEHYDE...100%  
ORL MUS LD50 42 mg/kg  
ORL RAT LD50 100 mg/kg  
SCU RAT LD50 420 mg/kg
- XYLENE  
ORL MUS LD50 2119 mg/kg  
ORL RAT LD50 4300 mg/kg  
SCU RAT LD50 1700 mg/kg
- PROPAN-2-OL  
IVN RAT LD50 1088 mg/kg  
ORL MUS LD50 3600 mg/kg

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- ORL RAT LD50 5045 mg/kg  
SCU MUS LDLO 6 gm/kg
- ETHANOL  
IVN RAT LD50 1440 mg/kg  
ORL MUS LD50 3450 mg/kg  
ORL RAT LD50 7060 mg/kg
  - METHANOL  
IVN RAT LD50 2131 mg/kg  
ORL MUS LD50 7300 mg/kg  
ORL RAT LD50 5628 mg/kg

### 12. ECOLOGICAL INFORMATION

**Mobility:** Partially volatile. Immiscible in water. Partly evaporates from water or soil surfaces. The product should not be allowed to enter drains or water courses or be deposited where it can affect ground or surface waters.

**Persistence and degradability:** There is no data available on the product itself.

**Bioaccumulative potential:** There is no data available on the product itself.

**Other adverse effects:** Harmful to aquatic organisms.

### 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:** 33



#### IMDG / IMO

**UN no:** 1263

**Class:** 3

**Packing group:** II

**EmS:** 3-05

**Labelling:** 3

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**IATA / ICAO**

<b>UN no:</b> 1263	<b>Class:</b> 3
<b>Packing group:</b> II	<b>Packing instructions:</b> 307
<b>Labelling:</b> 3	

**15. REGULATORY INFORMATION****Hazard symbols:** Irritant.

**Risk phrases:** R10: Flammable.  
R36: Irritating to eyes.  
R43: May cause sensitisation by skin contact.  
R67: Vapours may cause drowsiness and dizziness.

**Safety phrases:** S23: Do not breathe ...  
S24: Avoid contact with skin.  
S37: Wear suitable gloves.

**Precautionary phrases:** Contains .... 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.  
R37/38: Irritating to respiratory system and skin.  
R41: Risk of serious damage to eyes.  
R23/24/25: Toxic by inhalation, in contact with skin and if swallowed.  
R34: Causes burns.  
R40: Limited evidence of a carcinogenic effect.  
R43: May cause sensitisation by skin contact.  
R20/21: Harmful by inhalation and in contact with skin.  
R38: Irritating to skin.  
R11: Highly flammable.

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R36: Irritating to eyes.

R39/23/24/25: Toxic: danger of very serious irreversible effects through inhalation, in contact with skin and if swallowed.

**Legal disclaimer:** Even after washing the rags must never be crumpled into a ball but spread out and disposed of. Use synthetic fibre cloths where possible as natural fibres, especially cotton, increase the chances of spontaneous combustion. It provides guidance on health, safety and environmental aspects of the product and should not be construed as any guarantee of technical performance or suitability for particular applications. 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.