



SAFETY DATA SHEET
PLASTIC COATING - CLEAR AND WHITE

Page 1
Issued: 31/07/04
Revision No: 2

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

Product name: PLASTIC COATING - CLEAR AND WHITE
Product code: PCGL
Synonyms: PLASTIC COATING - CLEAR (GLOSS & MATT), WHITE
Company name: Rustins Ltd
Waterloo Road
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: ISOBUTANOL 10-30%
EINECS: 201-148-0 CAS: 78-83-1
[-] R10; [Xi] R37/38; [Xi] R41; [-] R67

- 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
- 1,2,4-TRIMETHYLBENZENE 10-30%
EINECS: 202-436-9 CAS: 95-63-6
[-] R10; [Xn] R20; [Xi] R36/37/38; [N] R51/53
- LOW BOILING POINT NAPHTHA - UNSPECIFIED - SOLVENT NAPHTHA (PETROLEUM), LIGHT AROM. 1-10%
EINECS: 265-199-0 CAS: 64742-95-6
[F+] R12; [Xi] R38; [N] R51/53; [Xn] R65
- MESITYLENE 1-10%
EINECS: 203-604-4 CAS: 108-67-8
[-] R10; [Xi] R37; [N] R51/53
- FORMALDEHYDE <1%
EINECS: 200-001-8 CAS: 50-00-0
[T] R23/24/25; [C] R34; [Xn] R40; [Sens.] R43

[cont...]

SAFETY DATA SHEET

PLASTIC COATING - CLEAR AND WHITE

3. HAZARDS IDENTIFICATION

Main hazards: Flammable. Irritating to respiratory system and skin. Risk of serious damage to eyes. Harmful to aquatic organisms, may cause long-term adverse effects in the aquatic environment. Vapours may cause drowsiness and dizziness.

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. 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 (CO₂). Dry chemical powder. Alcohol resistant foam. Sand or earth. Do NOT use water jet.

Exposure hazards: 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.

SAFETY DATA SHEET

PLASTIC COATING - CLEAR AND WHITE

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, dry, 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. 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: ISOBUTANOL
 TWA (8 hr exposure limit): 154 mg/m³ STEL (15 min exposure limit): 231 mg/m³ (OES)

- XYLENE
 TWA (8 hr exposure limit): 220 mg/m³ STEL (15 min exposure limit): 441 mg/m³ (OES)
- PROPAN-2-OL
 TWA (8 hr exposure limit): 999 mg/m³ STEL (15 min exposure limit): 1250 mg/m³ (OES)
- MESITYLENE
 TWA (8 hr exposure limit): 25 ppm (OES)
- FORMALDEHYDE...100%
 TWA (8 hr exposure limit): 2.5 mg/m³ STEL (15 min exposure limit): 2.5 mg/m³ (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.

SAFETY DATA SHEET

PLASTIC COATING - CLEAR AND WHITE

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), White & Black.

Odour: Pungent

Solubility in water: Insoluble

Boiling point/range°C: 80

Flash point°C: 27

Relative density: 0.951-1.122

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

- 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

ORL RAT LD50 5045 mg/kg

SCU MUS LDLO 6 gm/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),

SAFETY DATA SHEET
 PLASTIC COATING - CLEAR AND WHITE

LIGHT AROM.
 ORL RAT LD50 8400 mg/kg

- MESITYLENE
 IPR GPG LDLO 1303 mg/kg
- FORMALDEHYDE...100%
 ORL MUS LD50 42 mg/kg
 ORL RAT LD50 100 mg/kg
 SCU RAT LD50 420 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 hazardous components. Prolonged or repeated contact causes drying and irritation of the skin. Vapour irritates the eyes and the respiratory tract.

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: 30



IMDG / IMO

UN no: 1263	Class: 3
Packing group: III	EmS: 3-05
Marine pollutant: .	Labelling: 3

SAFETY DATA SHEET

PLASTIC COATING - CLEAR AND WHITE

IATA / ICAO

UN no: 1263	Class: 3
Packing group: III	Packing instructions: 310
Labelling: 3	

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

Risk phrases: R10: Flammable.
R37/38: Irritating to respiratory system and skin.
R41: Risk of serious damage to eyes.
R52/53: Harmful to aquatic organisms, may cause long-term adverse effects in the aquatic environment.
R67: Vapours may cause drowsiness and dizziness.

Safety phrases: S1/2: Keep locked up and out of the reach of children.
S26: In case of contact with eyes, rinse immediately with plenty of water and seek medical advice.
S36/39: Wear suitable protective clothing and eye / face protection.
S45: In case of accident or if you feel unwell, seek medical advice immediately (show the label where possible).

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.

16. OTHER INFORMATION

Other information: The product complies with the requirements of the Toy Safety Regulations, BS EN 71 Part 3 1995. A certificate of conformity can be supplied upon request.

Risk phrases used in s.2: R10: Flammable.
R37/38: Irritating to respiratory system and skin.
R41: Risk of serious damage to eyes.
R67: Vapours may cause drowsiness and dizziness.
R20/21: Harmful by inhalation and in contact with skin.
R38: Irritating to skin.
R11: Highly flammable.

SAFETY DATA SHEET
PLASTIC COATING - CLEAR AND WHITE

R36: Irritating to eyes.

R20: Harmful by inhalation.

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

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

R12: Extremely flammable.

R65: Harmful: may cause lung damage if swallowed.

R37: Irritating to respiratory system.

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.

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.