



SAFETY DATA SHEET
CLEAR METAL LACQUER

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Issued: 31/07/04
Revision No: 2

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

Product name: CLEAR METAL LACQUER
Product code: TRAL
Synonyms: CLEAR METAL LACQUER
Company name: Rustins Ltd
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Cricklewood
London
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2. COMPOSITION / INFORMATION ON INGREDIENTS

Hazardous ingredients: NITROCELLULOSE 1-10%
[F] R11; [Xi] R36; [-] R67

- DIACETONE ALCOHOL 1-10%
CAS: 123-42-2
EINECS: 204-626-7
[Xi] R36
- MIBK 10-30%
CAS: 108-10-1
EINECS: 203-550-1
[F] R11; [Xn] R20; [Xi] R36/37; [Xi] R66
- MEK 1-10%
CAS: 78-93-3
EINECS: 201-159-0
[F] R11; [Xi] R36/37; [Xi] R66; [-] R67
- RESIN #2 10-30%
[-] R10; [Xn] R20/21; [Xi] R38
- NAPHTHA (PETROLEUM) HYDROTREATED HEAVY 1-10%
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

[cont...]

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- 1,2,4-TRIMETHYLBENZENE 10-30%
CAS: 95-63-6
EINECS: 202-436-9
[-] R10; [Xn] R20; [Xi] R36/37/38; [N] R51/53
- XYLENE 1-10%
CAS: 1330-20-7
EINECS: 215-535-7
[-] R10; [Xn] R20/21; [Xi] R38
- LOW BOILING POINT NAPHTHA - UNSPECIFIED - SOLVENT NAPHTHA (PETROLEUM),
LIGHT AROM. 10-30%
CAS: 64742-95-6
EINECS: 265-199-0
[F+] R12; [Xi] R38; [N] R51/53; [Xn] R65
- MESITYLENE 1-10%
CAS: 108-67-8
EINECS: 203-604-4
[-] R10; [Xi] R37; [N] R51/53

3. HAZARDS IDENTIFICATION

Main hazards: Highly flammable. Harmful by inhalation and in contact with skin. Irritating to eyes, respiratory system and skin. Toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment. Repeated exposure may cause skin dryness or cracking.

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.

Ingestion: May cause internal injury. May cause nausea, vomiting, dizziness and unconsciousness.

Inhalation: Harmful by inhalation. There may be irritation of nose, throat and respiratory tract. Dizziness, loss of coordination, nausea and vomiting may occur.

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. Wash contaminated clothing before reuse.

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. If conscious give water to drink.

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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: Alcohol resistant foam. Carbon dioxide (CO₂). Dry chemical powder. 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. Vapour may travel considerable distance to source of ignition and flash back. Vapour explosion and poison hazard indoors, outdoors and in sewers. In combustion emits toxic fumes of carbon dioxide / carbon monoxide.

Protection of fire-fighters: Exposure to decomposition products may be a hazard to health. Wear appropriate self-contained breathing apparatus. Wear protective clothing to prevent contact with skin and eyes. 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. Avoid contact with skin and eyes. 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 explosion hazard.

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. The vapour is heavier than air, beware of pits and confined spaces. 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. No smoking. 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.

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Suitable packaging: Ideally, keep in original container. If transfer is necessary use glass or coated steel containers.
Do not use plastic containers.

8. EXPOSURE CONTROLS / PERSONAL PROTECTION**Hazardous ingredients:** MEK

TWA (8 hr exposure limit): 200ppm STEL (15 min exposure limit): 300ppm (OES)

- BUTAN-1-OL

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

- XYLENE

TWA (8 hr exposure limit): 220 mg/m³ STEL (15 min exposure limit): 441 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: 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.

Hand protection: Where repeated skin exposure may occur, 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.

Odour: Pungent

Solubility in water: Insoluble

Boiling point/range°C: 128

Flash point°C: 14.5

Relative density: 0.875 @ 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. Direct sunlight.

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Materials to avoid: Strong oxidising agents. Strong acids.

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

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

- XYLENE

ORL MUS LD50 2119 mg/kg

ORL RAT LD50 4300 mg/kg

SCU RAT LD50 1700 mg/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. 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 internal injury, nausea, vomiting, unconsciousness and possibly death.

12. ECOLOGICAL INFORMATION

Mobility: Insoluble in water. Partially volatile. 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: Expected to be biodegradable.

Bioaccumulative potential: Not expected to bioaccumulate.

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

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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
Marine pollutant: .	Labelling: 3

IATA / ICAO

UN no: 1263	Class: 3
Packing group: II	Packing instructions: 307
Labelling: 3	

15. REGULATORY INFORMATION

Hazard symbols: Highly flammable.
Harmful.
Dangerous for the environment.



Risk phrases: R11: Highly flammable.
R20/21: Harmful by inhalation and in contact with skin.
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.
R66: Repeated exposure may cause skin dryness or cracking.

Safety phrases: S36/37: Wear suitable protective clothing and gloves.
S1/2: Keep locked up and out of the reach of children.
S16: Keep away from sources of ignition - No smoking.
S51: Use only in well-ventilated areas.

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

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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: R11: Highly flammable.
R36: Irritating to eyes.
R67: Vapours may cause drowsiness and dizziness.
R20: Harmful by inhalation.
R36/37: Irritating to eyes and respiratory system.
R66: Repeated exposure may cause skin dryness or cracking.
R10: Flammable.
R20/21: Harmful by inhalation and in contact with skin.
R38: Irritating to skin.
R65: Harmful: may cause lung damage if swallowed.
R22: Harmful if swallowed.
R37/38: Irritating to respiratory system and skin.
R41: Risk of serious damage to eyes.
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.
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.