



SAFETY DATA SHEET

BRUSH CLEANER

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Issued: 31/07/04

Revision No: 2

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

Product name: BRUSH CLEANER

Product code: BRUC

Synonyms: BRUSH CLEANER

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: NONYL PHENOL ETHOXYLATE 10-30%

[Xn] R22; [-] R53; [Xi] R41; [N] R51/53

- 1,2,4-TRIMETHYLBENZENE 30-50%

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

- ETHANOL 1-10%

CAS: 64-17-5

EINECS: 200-578-6

[F] R11

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- METHANOL <1%
CAS: 67-56-1
EINECS: 200-659-6
[F] R11; [T] R23/24/25; [T] R39/23/24/25

3. HAZARDS IDENTIFICATION

Main hazards: Highly flammable. Harmful by inhalation and if swallowed. Irritating to eyes, respiratory system and skin. Toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment. Harmful: may cause lung damage if swallowed.

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: Nausea, vomiting, dizziness and unconsciousness. Aspiration into the lungs after ingestion will cause severe lung damage and may cause fatal pneumonitis.

Inhalation: Drowsiness, nausea, dizziness and loss of consciousness.

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 10 minutes, holding the eyelids apart. If irritation persists seek medical attention.

Ingestion: If accidentally swallowed, wash mouth out with water. Do not induce vomiting, keep at rest and obtain medical attention. If patient vomits, place in the recovery position. If conscious give water to drink.

Inhalation: Remove to fresh air, keep the patient warm and at rest. If unconscious give nothing by mouth, place in the recovery position and seek medical attention.

5. FIRE-FIGHTING MEASURES

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

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 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. Cool closed containers exposed to fire with water spray. Do NOT allow run-off from fire fighting to enter drains or water courses.

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6. ACCIDENTAL RELEASE MEASURES

Personal precautions: Ventilate the area. Eliminate all sources of ignition. Avoid inhaling vapour. Avoid contact with skin and eyes. 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 explosion 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 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.

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: 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)

- ETHANOL

TWA (8 hr exposure limit): 1920 mg/m³ (OES)

- METHANOL

TWA (8 hr exposure limit): 266 mg/m³ STEL (15 min exposure limit): 333 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

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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: Green

Odour: Paraffinic.

Solubility in water: Partially miscible.

Boiling point/range°C: 160-175

Flash point°C: 20

Relative density: 0.883 @ 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 emits toxic fumes of carbon dioxide / carbon monoxide.

11. TOXICOLOGICAL INFORMATION

Hazardous ingredients: 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

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- 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

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 lung damage. Risk of severe pulmonary problems in case of accidental aspiration.

12. ECOLOGICAL INFORMATION

Mobility: 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: Expected to be biodegradable.

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

Other adverse effects: Toxic 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

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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.

R20/22: Harmful by inhalation and if swallowed.

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.

R65: Harmful: may cause lung damage if swallowed.

Safety phrases: S2: Keep out of the reach of children.

S23: Do not breathe fumes.

S29: Do not empty into drains.

S46: If swallowed, seek medical advice immediately and show this container or label.

S61: Avoid release to the environment. Refer to special instructions / safety data sheets.

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:** R22: Harmful if swallowed.

R53: May cause long-term adverse effects in the aquatic environment.

R41: Risk of serious damage to eyes.

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

R10: Flammable.

R20: Harmful by inhalation.

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

R20/21: Harmful by inhalation and in contact with skin.

R38: Irritating to skin.

R12: Extremely flammable.

R65: Harmful: may cause lung damage if swallowed.

R37: Irritating to respiratory system.

R11: Highly flammable.

R23/24/25: Toxic by inhalation, in contact with skin and if swallowed.

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

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.