
MATERIAL SAFETY DATA SHEET

BRUSH CLEANERRevision Date: 24/06/2003

1. IDENTIFICATION OF THE SUBSTANCE / PREPARATION AND THE COMPANY / UNDERTAKING**1.1. PRODUCTS IDENTIFICATION:** Brush Cleaner**1.2. USE OF SUBSTANCE:** No information supplied

| | | |
|----------------------|--|--|
| 1.3. COMPANY: | C Brewer & Sons Ltd 1A Greenhill Industrial Estate Kidderminster Worcestershire DY10 2RN Telephone Number: 01543 502666 Fax No: 01562 824436 | Manufacturer: Palace Chemicals Ltd Speke Hall Ind. Estate Speke Liverpool L24 4AB 0151 486 6101 0151 448 1982 |
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1.4. EMERGENCY TELEPHONE: 01543 502666**2. HAZARDS IDENTIFICATION****Hazards Classification:**

Flammable. Harmful

**May cause lung damage if swallowed; Toxic to aquatic organisms;
May cause long-term adverse effects in the aquatic environment
Repeated exposure may cause skin dryness and cracking**

Keep out of reach of children

Keep away from sources of ignition – No smoking

If swallowed do not induce vomiting – seek medical assistance

Do not breathe vapour. Avoid contact with skin and eyes

3. COMPOSITION/INFORMATION ON INGREDIENTS

Alcohol ethoxylate

Naphtha (petroleum), hydrodesulphurised heavy

< 0.1% benzene

< 3% Trimethyl benzene

< 18% Aromatics

EEC No. 265-185-4

CAS No. 64742-82-1

4. FIRST-AID MEASURES**Inhalation:**

Avoid working in a poorly ventilated, confined space. Remove to fresh air and rest. If irritation or breathing difficulties persist, seek medical attention.

MATERIAL SAFETY DATA SHEET

BRUSH CLEANERRevision Date: 24/06/2003

Skin Contact:

Wash off skin with warm soapy water. Remove contaminated clothing and launder regularly. Prolonged and unattended contact should be avoided. Where irritation to skin is apparent seek medical attention.

Eye Contact:

Irrigate thoroughly for 15 minutes with clean running water or a boric saline eye wash bottle. Seek medical attention should eye irritation persist or become inflamed.

Ingestion:

Clean out mouth with copious volumes of water and drink plenty. Do not induce vomiting. Beware of aspiration if vomiting occurs. Seek prompt medical attention and show this data sheet.

5. FIRE-FIGHTING MEASURES**Suitable Extinguishing Media:**

Dry powder; Foam; CO₂

Do Not Use:

Water jets

Hazardous Decomposition when Subject to Combustion;

Will produce noxious, irritating fumes

Special Procedures:

Use approved self-contained breathing apparatus. Only use a fine water spray to cool down heat affected containers – not burning product.

6. ACCIDENTAL RELEASE MEASURES

Ventilate area and eliminate all sources of ignition. Absorb, bund and scrape spillages onto sand, sawdust or absorbent granules and confine residues in a clearly marked sealed container for disposal in accordance with Local Authority regulations for flammable products. Consult Protective Equipment section for advice when handling spillages.

7. HANDLING AND STORAGE**Handling:**

Ensure adequate ventilation and use all recommended personal protective equipment.

Storage:

Store in well-sealed, clearly marked sealed containers. Keep out of reach of children in a cool well-ventilated environment preferably within a lockable metal cabinet. Use electrostatic earthing when pumping or pouring large volumes of flammable liquid. Isolate all nearby source of ignition (pilot lights etc).

MATERIAL SAFETY DATA SHEET

BRUSH CLEANERRevision Date: 24/06/2003

8. EXPOSURE CONTROLS/PERSONAL PROTECTION**Occupational Exposure Limit:**

600mg/M3 for 8hr TWA or 1000mg/M3 for 15 min TWA for Hydrocarbon components

Respiratory:

Good ventilation is required otherwise use an organic vapour filtered face mask in confined spaces

Hands:

Wear 17" long elbow length rubber (chlorinated) or nitrile gloves approved to EN 374 & EN 420 with a BTT rating of >4hrs.

Eyes:

Goggles should not be needed for brush or rag applications, but may help prevent accidental face/eye contact

Skin:

PVC overalls should be worn and laundered immediately after use.

9. PHYSICAL AND CHEMICAL PROPERTIES

| | |
|-----------------------------------|---|
| Appearance: | Clear blue liquid |
| Boiling Point Range: | 142°C to over 200°C |
| Solubility: | Hydrocarbon oils |
| Auto-ignition Temperature: | 230°C |
| Specific Gravity: | 0.78 +/- 0.05 g/cm ³ |
| Miscibility: | Oil and water (emulsifies to a cloudy liquid) |
| Evaporation Rate: | = 0.11 (n=But Ac=1) |
| Viscosity: | 1.15 mm ² /sec |
| Vapour Pressure: | < 0.2 kPa |
| Flash Point: | 39°C |
| Explosive Limits in Air: | 0.6 – 7.0 Vol % |
| Viscosity: | 1.15 mm ² /s @ 25°C |
| pH: | N/A |
| Oxidising Properties: | N/A |

10. STABILITY AND REACTIVITY

Stable – No dangerous reactions known – hazardous polymerisation will not occur

Materials to Avoid:

Strong oxidising agents

Conditions to avoid:

Sources of ignition – Hazardous decomposition products are smoke and oxides of carbon

MATERIAL SAFETY DATA SHEET

BRUSH CLEANERRevision Date: 24/06/2003

11. TOXICOLOGICAL INFORMATION**Routes of exposure:**

Inhalation, skin contact and ingestion

LD50 > 2000 mg/kg when rat ingested and in contact with skin and LD50 > 5000 mg/kg when rat inhaled for 4hrs

Health Effect:

Prolonged inhalation may cause headaches and Depression of the CNS

Acute Effects of Inhalation:

Coughing and eye watering

Acute Effect of Skin Contact:

Redness, irritation and sensitisation leading to dermatitis with persistent exposure

12. ECOLOGICAL INFORMATION**Bio-accumulation Potential:**

Negligible due to high volatility resulting in rapid evaporation to air

Ecotoxicity:

LC50: 1 – 10 mg/litre

Environmental Persistence:

Inherently biodegradable – will be removed within a waste-water treatment facility

13. DISPOSAL CONSIDERATIONS

Application equipment such as brushes and cloths will retain a flammability risk until they are either laundered or allowed to dry completely. Unused product and freshly contaminated application materials must be considered flammable and disposed of in accordance with local authority regulations for flammable liquids/paints.

14. TRANSPORT INFORMATION

IMDG: Flammable liquid, nos (contains white spirit), Class 3, UN1993, PG III, (39°C cc), Marine Pollutant.
IATA/IACO: Class 3; Packing Group III; ADR/RID: UN 1993 Flammable liquid, nos (contains white spirit), PG III. Transport Name (UK Road) – Flammable liquid, nos, (contains white spirit), EAC No/HIN No: 3Y/30

15. REGULATORY INFORMATION**CHIP Hazard Symbols:**

R10, R51, R53, R65, R66 – Harmful Xn & Environmental Hazard N

MATERIAL SAFETY DATA SHEET

BRUSH CLEANERRevision Date: 24/06/2003

Safety Phrases:

S2 – S16 – S23 – S24 – S25 – S57 – S60 – S62

All retail packs require a child resistant closure approved to BS EN ISO 28317 and a Tactile danger warning triangle

Other Regulatory Controls:

Health & Safety @ Work Act 1974;
Control of Substances Hazardous to Health Regulations 1994
Environmental Protection Act 1990

16. OTHER INFORMATION

The information supplied in this safety data sheet is intended to assist in the use of the above product without risk to safety and health and is based on current knowledge and experience of the associated physico-chemical hazards. The data does not signify and warranty with regard to the product's properties. This information may be used to assist in formulating a COSHH risk assessment if applied at work. This data sheet complies with EC Directive 89/1155EC.

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