BRUSH CLEANER
SAFETY DATA SHEET

1. IDENTIFICATION OF THE SUBSTANCE / PREPARATION AND COMPANY:

Product Name: BRUSH CLEANER

Applications: Cleans & emulsifies wet paint from brushes and fabrics

Supplier: Palace Chemicals Ltd; Speke Hall Industrial Estate; Speke; Liverpool; L24 4AB
Tel: 0151 486 6101; Fax 0151 448 1982
e-mail: sales@palacechemicals.co.uk; web: www.palacechemicals.co.uk

2. COMPOSITION / INFORMATION ON INGREDIENTS:

Ingredients: Less than 5% non-ionic surfactants
Oil soluble blue dye
Greater than 30% Distillates referred to commonly as "Regular Kerosene" and classed as petroleum hydro-treated light kerosene unspecified but mainly in the C9-C16 range.
Benzene @ less than 0.1% w/w
EEC No. 232-366-4
CAS No. 8008-20-6

Hazardous components: Regular Kerosene

3. HAZARDS IDENTIFICATION:

Classification: FLAMMABLE. HARMFUL; DANGEROUS FOR THE ENVIRONMENT

Risk Phrases: 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

6. ACCIDENTAL RELEASE MEASURES:

Personal protection: Ventilate area and eliminate all sources of ignition. Wear personal protective equipment recommended in section 8.

Environmental protection: Do not allow spill to enter drains or watercourses. Form a dam with sand, earth or a boom. Absorb, bund and scrape spillages onto sand, sawdust or absorbent granules.

Spill removal methods: Confine residues in a clearly marked sealed containers for disposal in accordance with Local Authority regulations for flammable products – subject to special waste management controls.

7. HANDLING & STORAGE:

Handling precautions: Ensure adequate ventilation and use all recommended personal protective equipment

Storage precautions: Store in tightly-sealed, clearly marked containers. Keep out of reach of children in a cool well-ventilated environment preferably within a lockable metal cabinet.

Usage precautions: Use electrostatic earthing when pumping or pouring large volumes of flammable liquid. Isolate all nearby sources of ignition (pilot lights etc.)

8. EXPOSURE CONTROLS & PERSONAL PROTECTION:

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

Process controls: Provide adequate containment and local exhaust ventilation

Personal protection: **Respiratory:** Good ventilation is always required however in confined spaces use an organic vapour filtered half-face mask.
Hand: Wear 17" long elbow length latex rubber (chlorinated) or nitrile gloves approved to EN 374 & EN 420 with a BTT rating of > 4 hrs.
Eye: BS 2092 Goggles should be worn for all applications to help prevent accidental face/eye contact.
Skin: A disposable PVC apron should be worn on top of overalls, however if the fabric becomes contaminated these should be laundered immediately.

9. PHYSICAL & CHEMICAL PROPERTIES:

Appearance:	Clear Blue Liquid	**Vapour pressure:**	< 0.2kPa
Colour:	Transparent	**Evaporation rate:**	0.11 (n-But Ac = 1)
Density / SG:	0.79 – 0.81 g/cm3	**Viscosity:**	1.5 mm2/s
Solubility:	Oils & emulsifies into water	**Boiling point:**	140'C - > 300'C
Flash point:	40'C	**Flammability limits:**	1.0% - 6.0% vol in air
Auto ignition Temp:	230'C	**Oxidising properties:**	n/a

10. STABILITY & REACTIVITY:

Conditions to avoid: Sources of ignition, exposing container to direct sunlight and elevated temperatures

Materials to avoid: Oxidising agents

Decomposition products: Acrid black smoke and oxides of carbon.

11. TOXICOLOGICAL INFORMATION:

Routes of exposure:	Inhalation, skin contact and ingestion.	**Corrosivity / Irritation:**	n/a
Acute short term effects:	Skin redness and eyes watering.	**Sensitisation:**	With prolonged contact
Chronic long term effects	irritation and sensitisation leading to dermatitis	**Mutagenicity:**	n/a
Toxic dose -LD 50:	LD50 > 2000mg/kg when rat ingested	**Carcinogenicity:**	n/a
Prolonged exposure effects:	headaches and Depression of the CNS	**Reproductive toxicity:**	n/a

12. ECOLOGICAL INFORMATION:

Ecotoxicity: LC50: 1 – 10 mg/litre
Bio-accumulative potential: Negligible due to high volatility resulting in rapid evaporation to air.
Persistence & degradability: The surfactants contained in this preparation comply with the biodegradability criteria as laid down in Regulation (EC) No 648/2004 on detergents. Data to support this assertion are held at the disposal of the competent authorities of the member states and will be made available to them at their direct request or at the request of a detergent manufacturer.

13. DISPOSAL CONSIDERATION:

Disposal Methods: Application equipment such as brushes and cloths will retain a flammability risk until they are either laundered or allowed to dry completely.
Special requirements: Unused product and freshly contaminated application materials must be considered flammable and disposed of in accordance with local authority regulations for flammable liquids / paints.
Regulatory controls: Special waste provisions apply to the disposal of this product

14. TRANSPORT INFORMATION:

Proper shipping name: PAINT RELATED MATERIAL

ADR Class No.:	3	**Flash point:**	42°C
UN No.	1993	**IMDG Class:**	3
ADR Packing Group:	III	**IMDG Pack group:**	III
EAC/HIN Codes:	3Y/30	**Marine pollutant:**	YES

15. REGULATORY INFORMATION:

Classification: FLAMMABLE. HARMFUL;
DANGEROUS FOR THE ENVIRONMENT


Risk phrases: R10, R51, R53, R65, R66
Safety phrases: S2, S16, S23, S24, S25, S57, S60, S62
UK Regulatory references: All retail packs require a child resistant closure approved to BS EN ISO 28317 and a Tactile danger warning triangle.

16. OTHER INFORMATION:

Last revision date: 29-06-05
SDS No.: 100
Data sources: Volume VII Approved supply list; EH40; Croner; Bulk supplier data sheets
Disclaimer: 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 any 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 91/155EC.