



# BRUSH RESTORER SAFETY DATA SHEET



## 1. IDENTIFICATION OF THE SUBSTANCE / PREPARATION AND COMPANY:

**Product Name:** PAINT BRUSH RESTORER

**Applications:** A blend of polar and hydrocarbon based solvents to break down hardened paint residues which have formed on used brushes

**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](mailto:sales@palacechemicals.co.uk); web: [www.palacechemicals.co.uk](http://www.palacechemicals.co.uk)

## 2. COMPOSITION / INFORMATION ON INGREDIENTS:

**Ingredients:** Methylene Chloride < 30% w/w  
CAS 75-09-2  
Hydrocarbon Solvents > 50% w/w  
CAS 8008-20-6

**Hazardous components:** Methylene Chloride & Kerosene

## 3. HAZARDS IDENTIFICATION:

**Classification:** FLAMMABLE; HARMFUL; DANGEROUS FOR THE ENVIRONMENT

**Risk Phrases:** Harmful by inhalation; in contact with skin & if swallowed.  
Possible risks of irreversible effects by inhalation; in contact with skin & if swallowed  
Limited evidence of a carcinogenic effect  
Repeated exposure may cause skin dryness and cracking

## 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.

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

**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

**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.

## 5. FIRE FIGHTING MEASURES:

**Extinguishers:** Dry powder; alcohol resistant Foam, CO<sub>2</sub> – Do not use water jets.

**Combustion products:** Will only combust when exposed to fire or a vigorous source of flame  
Hazardous decomposition when subject to combustion – will produce noxious, irritating fumes including phosgene gas.

**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:

- Personal protection:** Ventilate area and contain with absorbent material. Wear personal protective equipment including breathing apparatus if entering a confined space as recommended in section 8. Note small spillages will still present a slippage hazard.
- 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 absorbed residues in a clearly marked sealed container for disposal in accordance with Local Authority regulations for flammable products – subject to special waste management controls. Clean affected area with detergent & water

## 7. HANDLING & STORAGE:

- Handling precautions:** Ensure adequate ventilation and use all recommended personal protective equipment along with engineering controls such as local exhaust ventilation where available.
- 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. Do not store in direct sunlight or adjacent to sources of heat
- Usage precautions:** Always open can away from face when slowly releasing cap. Do not decant to fragile or plastic containers and use in small volumes at a time (< 1 litre) to minimise spillage risk. Advise persons not suitably equipped to avoid area whilst work is in progress

## 8. EXPOSURE CONTROLS & PERSONAL PROTECTION:

- Exposure limits:** OEL = 350mg/M3 8hr TWA; STEL = 1000mg/M3 for (10mins) - Dichloromethane
- 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 or an air fed ventilation system.  
**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 and a full face visor where there is a risk of splashing or drips.  
**Skin:** A disposable PVC apron should be worn on top of overalls, however if the fabric becomes contaminated these should be laundered immediately. Frequent and prolonged skin contact must be prevented

## 9. PHYSICAL & CHEMICAL PROPERTIES:

<b>Appearance:</b>	Free flowing Liquid	<b>Vapour pressure:</b>	< 0.1 kPa
<b>Colour:</b>	Green	<b>Evaporation rate:</b>	< 1.0 (n-But Ac = 1)
<b>Density / SG:</b>	1.03 – 1.06 g/cm <sup>3</sup>	<b>Viscosity:</b>	1.5 mm <sup>2</sup> /s
<b>Solubility:</b>	Oils & water (emulsifies)	<b>Boiling point:</b>	From 42°C
<b>Flash point:</b>	< 55°C	<b>Flammability limits:</b>	1.0% to 6.0% upper vol in air
<b>Auto ignition Temp:</b>	> 300°C	<b>Oxidising properties:</b>	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; phosgene and oxides of carbon.

## 11. TOXICOLOGICAL INFORMATION:

<b>Routes of exposure:</b>	Inhalation, skin contact and ingestion.	<b>Corrosivity:</b>	n/a
<b>Acute short term effects:</b>	Skin redness, irritation and eyes watering.	<b>Sensitisation:</b>	With prolonged contact
<b>Chronic long term effects</b>	irritation and sensitisation leading to dermatitis	<b>Mutagenicity:</b>	n/a
<b>Toxic dose -LD 50:</b>	LD50 > 1650mg/kg when rat ingested	<b>Carcinogenicity:</b>	n/a
<b>Prolonged exposure effects:</b>	headaches and Depression of the CNS	<b>Reproductive toxicity:</b>	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:** Inherently biodegradable - Will be removed within a waste-water treatment facility

## 13. DISPOSAL CONSIDERATION:

**Disposal Methods:** Application equipment such as brushes and cloths can be left exposed to air to allow full evaporation of solvent, until they are either laundered or allowed to dry completely.  
**Special requirements:** Unused product and freshly contaminated application materials must be disposed of in accordance with local authority regulations for chlorinated solvents.  
**Regulatory controls:** Special waste provisions apply to the disposal of this product

## 14. TRANSPORT INFORMATION:

<b>Proper shipping name:</b>	KEROSENE	<b>Flash point:</b>	42°C
<b>ADR Class No.:</b>	3	<b>IMDG Class:</b>	3
<b>UN No.</b>	1223	<b>IMDG Pack group:</b>	III
<b>ADR Packing Group:</b>	III	<b>Marine pollutant:</b>	YES
<b>EAC/HIN Codes:</b>	3Y/30		

## 15. REGULATORY INFORMATION:

**Classification:** HARMFUL; FLAMMABLE; DANGEROUS FOR THE ENVIRONMENT



**Risk phrases:** R20/21/22; R36/38; R40; R68; R10, R51, R53, R65, R66