
MATERIAL SAFETY DATA SHEET

POLYCELL BRUSH CLEANER - TRADERevision Date: 01/08/2002

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

- 1.1. PRODUCTS IDENTIFICATION:** Polycell Brush Cleaner - Trade
- 1.2. USE OF SUBSTANCE:** This product is intended for use in the process or repairing, preparing or decorating building surfaces, as directed on the container
- 1.3. COMPANY:** ICI Paints
Wrexham Road
Slough
Berkshire
SL2 5DS
Telephone Number: 01753 550555
- 1.4. EMERGENCY TELEPHONE:** 01753 550000

2. HAZARDS IDENTIFICATION

This product has been assessed under the CHIP Regulations and is classified as follows:

Xn HARMFUL
FLAMMABLE
N DANGEROUS FOR THE ENVIRONMENT

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.
R65 Harmful: may cause lung damage if swallowed.

Information on Occupational Exposure Limits is given in Section 8.

3. COMPOSITION/INFORMATION ON INGREDIENTS

Substances presenting a health or environmental hazard within the meaning of the CHIP Regulations or which are assigned occupational exposure limits.

MATERIAL SAFETY DATA SHEET**POLYCELL BRUSH CLEANER - TRADE**

Revision Date: 01/08/2002

Hazardous Ingredient	EC No:	Percentage	Symbols	Health R Phrases
XYLENE	215-535-7	< 2.5%	Xn	R38, 20/21
PROPYLBENZENE	203-132-9	2.5 – 10%	Xn, N	R37, 65, 51/53
MESITYLENE	203-604-4	2.5 – 10%	Xi, N	R37, 51/53
SOLVENT NAPHTHA, LIGHT AROMATIC	265-199-0	25 – 50%	Xn, N	R37, 65, 66, 67, 51/53
1,2,4-TRIMETHYLBENZENE	202-436-9	25 – 50%	Xn, N	R36, 37, 38, 20, 51/53
ISOTRIDECANOETHOXYLATE	Unavailable	2.5 - 10%	Xi	R36, 41

Note: The text for R phrase codes shown above (if any) is given in section 16.

Note: 'EC Number' if quoted is the EINECS or ELINCS number.

4. FIRST-AID MEASURES

In all cases of doubt, or where symptoms persist, seek medical attention. Never give anything by mouth to an unconscious person.

Inhalation:

Remove to fresh air, keep patient warm and at rest. If breathing is irregular or stopped administer artificial respiration. Give nothing by mouth. If unconscious place in the recovery position. Seek medical advice.

Eye Contact:

Remove contact lenses. Irrigate copiously with clean, fresh water for at least 10 minutes, holding lids apart. Seek medical advice.

Skin Contact:

Remove contaminated clothing, wash skin thoroughly with soap and water, or use a proprietary skin cleanser. Do not use solvents or thinners. Seek medical advice if symptoms persist.

Ingestion:

If accidentally swallowed, DO NOT INDUCE VOMITING. Keep at rest and obtain medical attention.

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

Alcohol resistant foam, CO₂, powders.

Do Not Use:

Water jet

Recommendations:

Fire will produce dense black smoke. Exposure to decomposition products may cause a health hazard. Fire-fighters should wear self-contained breathing apparatus. Closed containers exposed to

MATERIAL SAFETY DATA SHEET

POLYCELL BRUSH CLEANER - TRADERevision Date: 01/08/2002

fire should be cooled with water. Do not allow runoff from fire-fighting to enter drains or water-courses.

6. ACCIDENTAL RELEASE MEASURES

Exclude non-essential personnel.

Exclude sources of ignition and ventilate the area. Avoid breathing vapours. Refer to protective measures listed in section 8. Contain and collect spillage with non-combustible absorbent materials, eg sand, earth, vermiculite or diatomaceous earth, and place in container for disposal according to local regulations (see section 13). Do not allow to enter drains or watercourses. Clean preferably with a detergent; avoid use of solvents. If the product enters drains or sewers, immediately contact the local water company; in the case of contamination of streams, rivers or lakes, the relevant environment agency.

7. HANDLING AND STORAGE**Handling Conditions:**

Vapours are heavier than air and may spread along floors. They may form explosive mixtures with air. Prevent the creation of flammable or explosive concentrations of vapour in air and avoid vapour concentrations higher than the occupational exposure limits.

In addition, the product should only be used in areas from which all naked lights and other sources of ignition have been excluded. Electrical equipment should be protected by the appropriate standard.

Keep the container tightly closed. Exclude sources of heat, sparks and open flame. Non-sparking tools should be used. Avoid skin and eye contact. Avoid the inhalation of vapour and mist. Smoking, eating and drinking should be prohibited in storage and use areas. For personal protective equipment see Section 8. Always keep in containers made of the same material as the supply container, or in containers that are compatible with the product. The accumulation of contaminated rags may result in spontaneous combustion. Good housekeeping standards and regular safe removal of waste materials will minimise the risks of spontaneous combustion and other fire hazards

Storage Conditions:

Observe the label precautions. Store in a cool, dry, well ventilated place away from sources of heat, ignition and direct sunlight.

No smoking. Prevent unauthorised access. Containers which are opened should be properly resealed and kept upright to prevent leakage. Do not use or store any paint container by hanging on a hook.

The Manual Handling Operations Regulations 1993 may apply to the handling of certain Paint Products. Products packed in containers of 5 litres and above will be marked with a guide weight; refer to these weights when carrying out an assessment.

For flash points between 21 and 32 degrees Celsius store in accordance with the Highly Flammable Liquids and Liquefied Petroleum Gas Regulations 1972.

The principles contained in the HSE guidance note Storage of Packaged Dangerous Substances, should be observed when storing this product. Store separately from oxidising agents, strongly alkaline and strongly acidic materials, amines, alcohols and water.

MATERIAL SAFETY DATA SHEET

POLYCELL BRUSH CLEANER - TRADE

Revision Date: 01/08/2002

Specific Use(s):

Where applicable refer to the product label and literature for the application and use instructions.

8. EXPOSURE CONTROLS/PERSONAL PROTECTION

Exposure Limit Values:

HAZARDOUS INGREDIENT	LTEL (8hr TWA)		STEL Notes		Notes
	ppm	mg/m ³	ppm	mg/m ³	
XYLENE	50	200	100	441	OES,Sk
PROPYLBENZENE	50	240			
MESITYLENE		25	123		OES
SOLVENT NAPHTHA LIGHT AROMATIC		200			OES
1.2.4-TRIMETHYLBEZENE	25	123			OES

- OEL - Occupational Exposure Limits (HSE Guidance Note EH40)
- OES - Occupational Exposure Standard
- MEL - Maximum Exposure Limit
- SUP - Manufacturer's recommended Limit
- LTEL - Long-term Exposure Limit. TWA - Time weighted Average
- STEL - Short term Exposure Limit (15mins)
- sk - Risk of absorption through unbroken skin
- sen - Respiratory sensitiser
- Pb - Figure quoted as Lead
- Cr - Figure quoted as Cr VI
- rd - Figure quoted is for Respirable dust
- id - Figure quoted is for Inhalable dust

Further guidance on OELs and assessment of occupational exposure to harmful materials (including mixed exposures) is given in HSE Guidance Note EH40.

Exposure Controls:

Before commencing work, ensure that a COSHH Assessment has been carried out.

All personal protective equipment, including respiratory protective equipment, used to control exposure to hazardous substances must be selected to meet the requirements of local regulations.

Avoid the inhalation of dusts or vapours during all operations, such as mixing, application and sanding. Where reasonably practicable, this should be achieved by the use of local exhaust ventilation and good general ventilation. If this is not sufficient to maintain concentrations of particulates and vapours below the occupational exposure limit, respiratory protection must be worn.

The selection of respiratory equipment should be in accordance with BS 4275. Recommendations for the selection, use and maintenance of Respiratory Equipment, and the current certificates of approval are issued annually by the Health and Safety Executive.

For solvent-based products, consider using water-based products as alternatives, where equivalent products exist. Work only in places of good ventilation. Inside always keep doors and windows fully open during

MATERIAL SAFETY DATA SHEET

POLYCELL BRUSH CLEANER - TRADERevision Date: 01/08/2002

application and drying. When applying solvent-based products by brush or roller to large surface areas inside, or using in small confined spaces, the wearing of air supplied breathing apparatus will always be necessary. When applying for short periods only, a cartridge mask may be worn providing the filter is changed regularly. Do not spray any product unless directed to do so on the container. The principal hazards associated with paint spraying are health hazard from inhalation of vapours and spray mist, and fire risk. When applying water-based paints by spray inside or in confined spaces, wearing a cartridge mask of Assigned Protection Factor 40 x OEL for particulates is recommended. This should be confirmed by your COSHH assessment. Contact your merchant about masks. When applying solvent-based paints by spray, in case of insufficient ventilation, the wearing of air-fed respiratory equipment will always be necessary. Refer to your COSHH assessment. When spraying solvent based products it is possible to build up an explosive or flammable atmosphere: refer to Guidance Note EH9 from the HSE for advice on good practice. All respiratory equipment must be suitable for the purpose and meet an appropriate standard approved by the HSE.

Refer to BS4275.

Hand Protection:

Wear suitable gloves for protection against materials in section 3.

When skin exposure may occur, advice should be sought from glove suppliers on appropriate types and usage times for this product. The instructions and information provided by the glove supplier on use, storage, maintenance and replacement must be followed.

Eye Protection :

Eye protection designed to protect against liquid splashes should be worn.

Skin Protection:

Cotton or cotton/synthetic overalls or coveralls are normally suitable. Grossly contaminated clothing should be removed and the skin washed with soap and water or a proprietary skin cleaner.

Flatting:

Protective gloves should be worn to avoid the risk of skin irritation. When surfaces are to be prepared for painting, account should be taken of the age of the property and the possibility that lead pigmented paint might be present. There is a possibility that ingestion or inhalation of scrapings or dust arising from the preparation work could cause health effects. As a working rule you should assume that this will be the case if the age of the property is pre 1960.

Where possible wet flatting or chemical stripping methods should be used with surfaces of this type to avoid the creation of dust. When dry flatting cannot be avoided, and effective local exhaust ventilation is not available, it is recommended that a dust respirator is worn, that is approved for use with lead dusts, and its type selected on the basis of the occupational hygiene (COSHH) assessment, taking into account the occupational hygiene exposure standard for lead in air. Furthermore, steps should be taken to ensure containment of the dusts created, and that all practicable measures are taken to clean up thoroughly all deposits of dusts in and around the affected area.

The Control of Lead at Work approved code of practice 1998 (ISBN 0 71 7615065) should be consulted for advice on protective clothing and personal hygiene precautions.

Care should also be taken to exclude visitors, members of the household and especially children from the affected area, during the actual work and the subsequent clean up operations.

MATERIAL SAFETY DATA SHEET

POLYCELL BRUSH CLEANER - TRADERevision Date: 01/08/2002

All scrapings, dust, etc. should be disposed of by the professional painting contractor as Special (Hazardous) Waste, with the relevant documentation under The Special Waste Regulations 1996 plus amendment 2001, The Environmental Protection (Duty of Care) Regulations 1991, The Controlled Waste Registration of Carriers and Seizure of Vehicles Regulations 1991 plus amendment 1998 and the Controlled Waste Regulations 1992 plus amendment 1993.

Extra precautions will need to be taken when burning off old lead based paints (See above - "Flatting" for relevance to work on older property, ie pre 1960) as fumes containing lead will be produced.

It is recommended that a respirator, approved for use with particulate fumes of lead is selected on the basis of the occupational hygiene (COSHH) assessment, taking into account the occupational hygiene exposure standard for lead in air.

Similar precautions to those given above under the Flatting section should be taken with reference to protective clothing, disposal of scrapings and dusts, and exclusion of other personnel and especially children from the building during actual work and the subsequent clean up operations.

Environmental Exposure Controls:

See section 12 for detailed information.

9. PHYSICAL AND CHEMICAL PROPERTIES

Physical State:	Liquid
Specific gravity:	0.87 g/cm ³
Flash point:	43°C
Water miscible:	YES
pH:	No information
Explosion limits:	Lower - approx. 0.8% Upper - no information
Product Colour:	Blue
Product Odour:	White spirit

10. STABILITY AND REACTIVITY**Conditions to Avoid Instability:**

Extremes of temperature.

To prevent the creation of flammable concentrations of vapour in air, good natural ventilation, and if necessary, local exhaust ventilation, should be provided. The accumulation of dry overspray, contaminated rags, etc may result in spontaneous combustion. Good housekeeping standards plus the regular and safe removal of waste materials will minimise the risk.

Materials Avoid:

Keep away from oxidising agents, strongly alkaline and strongly acidic materials in order to avoid exothermic reactions

Hazardous Decomposition Products:

When exposed to high temperatures may produce hazardous decomposition products.

MATERIAL SAFETY DATA SHEET

POLYCELL BRUSH CLEANER - TRADERevision Date: 01/08/2002

11. TOXICOLOGICAL INFORMATION

There is no data available on the product itself. The product has been assessed following the conventional method in the CHIP Regulations and is classified for toxicological hazards accordingly. This takes into account, where known, delayed and immediate effects and also chronic effects of components from short-term and long-term exposure by oral, inhalation and dermal routes of exposure and eye contact. See Sections 2 and 15 for details of the resulting hazard classification.

Over-exposures of vapour are irritating to eyes and respiratory system. Excessive concentrations may produce effects on the central nervous system including drowsiness. In extreme cases loss of consciousness may result. Long term exposure to vapour concentrations in excess of quoted OELs may result in adverse health effects. Splashes entering the eye will cause discomfort and possible damage. Prolonged contact with the skin may have a defatting effect which may lead to skin irritation and in some cases dermatitis.

12. ECOLOGICAL INFORMATION

There is no specific data available on the product itself. The product should not be allowed to enter drains or watercourses or be deposited where it can affect ground or surface waters. The Air Pollution Control requirements of regulations made under the Environmental Protection Act may apply to the use of this product.

Products classified as Marine Pollutants are indicated as such under Transport (section 14).

Products classified as Dangerous For the Environment are indicated as such in sections 2 and 15.

Any substances in the product that are classified as Dangerous for the Environment, present at concentrations above those requiring listing are given in section 3.

13. DISPOSAL CONSIDERATIONS

Wastes, including emptied containers, are controlled wastes and should be disposed of in accordance with the regulations made under the Control of Pollution Act and the Environmental Protection Act.

Using information provided in this safety data sheet, advice should be obtained from the relevant environment agency whether the Special Waste Regulations apply.

14. TRANSPORT INFORMATION

The IMDG Classification in this section may not be valid for shipments to the USA or Canada from January 1st 2002. Please refer to the contact address in section 16 of this Safety Data Sheet for more information regarding IMDG classifications if shipping to USA or Canada after this date.

The transport classifications provided in this section are only valid for products supplied in receptacles with a capacity of less than 450 litres.

MATERIAL SAFETY DATA SHEET

POLYCELL BRUSH CLEANER - TRADERevision Date: 01/08/2002

Please call the number in section 1 of this safety data sheet to obtain more information on this products classification for receptacles with a capacity of 450 litres or more.

The transport classifications provided in this section are not valid for transport by Air. Please call the number in section 1 of this safety data sheet to obtain more information on this products classification for Air transport.

UN Number: 1993
ADR/RID Class: 3
IMDG Class: 3
Packing Group: III
Item: 31c
MFAG: N/A
ICI Temcard: ICI-957
EMS: No information

HAZARD LABEL(S) :**FLAMMABLE LIQUID****** MARINE POLLUTANT ******15. REGULATORY INFORMATION**

This product has been assessed under the CHIP Regulations and is classified as follows:

NAMED SUBSTANCES : 1,2,4-TRIMETHYLBENZENE
HAZARD CLASSIFICATION : Xn: HARMFUL
N: DANGEROUS FOR THE ENVIRONMENT

Risk Phrase

R10 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.
R65 Harmful: may cause lung damage if swallowed.

Safety Phrase

S2 Keep out of the reach of children
S13 Keep away from food, drink and animal feeding stuffs
S17 Keep away from combustible material
S22 Do not breathe dust
S23 Do not breathe vapour/spray
S25 Avoid contact with eyes
S26 In case of contact with eyes, rinse immediately with plenty of water and seek medical advice
S29 Do not empty into drains
S36/37 Wear suitable clothing and gloves
S43(A) In case of fire use foam, dry powder, AFFF, CO₂ - Never use water.
S46 If swallowed seek medical advice immediately and show this container or label
S51 Use only in well ventilated areas

MATERIAL SAFETY DATA SHEET

POLYCELL BRUSH CLEANER - TRADERevision Date: 01/08/2002

- S61** Avoid release to the environment. Refer to special instructions/Safety data sheets
S62 If swallowed, do not induce vomiting: seek medical advice immediately and show this container or label
S64 If swallowed, rinse mouth with water (only if person is conscious)

Where 'J' and/or 'P' phrases are denoted, these are ICI Paints or paint industry reference codes to additional phrases.

16. OTHER INFORMATION

Text for R Phrases shown in section 3 describing each ingredient:

- R20** Harmful by inhalation
R20/21 Harmful by inhalation and contact with skin
R36 Irritating to eyes
R37 Irritating to respiratory system
R38 Irritating to skin
R41 Risk of serious damage to eyes
R51/53 Toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment
R65 Harmful: may cause lung damage if swallowed
R66 Repeated exposure may cause skin dryness or cracking
R67 Vapours may cause drowsiness and dizziness

The information in this safety data sheet is required in pursuant to the CHIP Regulations.

Other Reference: The Control of Substances Hazardous to Health Regulations(COSHH).

The information on this sheet is not a specification: it does not guarantee specific properties. The information is intended to provide general guidance as to health and safety based upon our knowledge of the handling, storage and use of the product. It is not applicable to unusual or non-standard uses of the product nor where instructions and recommendations are not followed.

NEED SOME HELP? We will be pleased to answer any specific enquiries regarding the safe use, storage and handling of this product. Please contact: Customer Care Centre, ICI Paints, Wexham Road, Slough, Berkshire, SL2 5DS, UK.

Telephone: Slough (01753) 550555

www.plycell.co.uk

ICI Paints in the UK is part of Imperial Chemical Industries PLC and a member of the ICI Paints World Group.

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MATERIAL SAFETY DATA SHEET

POLYCELL BRUSH CLEANER - TRADERevision Date: 01/08/2002

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