



**SDSPT115**

# **POLYCELL TRADE – POLYFILLA EXTERIOR FILLER**

## **SAFETY DATA SHEET**

Revision 04/2008

### **1. IDENTIFICATION OF THE PREPARATION AND COMPANY**

FORMULATION NUMBER : 016-2107

PRODUCT NAME : Polycell Trade – Polyfilla Exterior Filler

Supplied by :  
ICI Paints,  
Wexham Road,  
Slough,  
Berkshire,  
SL2 5DS, U.K.

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#### **INTENDED USE**

ICI Paints' products are intended for use in the process of decorating buildings surfaces. Refer to product label for specific usage details.

### **2. HAZARDS IDENTIFICATION**

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

Indication(s) of Danger

Irritant

Symbol Letter(s)

Xi

Category(ies) of Danger

Irritant

Warning Label Phrases

R41 Risk of serious damage to eyes.

R37/38 Irritating to respiratory system and skin.

Information on Occupational Exposure Limits is given in Section 8.

When cement based materials are mixed with water, or when the cement based materials become damp a strong alkaline material

is produced. Contact with this alkaline material may cause serious burns to the eyes and burns and ulceration of the skin. Strong alkaline solutions in contact with the skin may damage the nerve endings first before damaging the skin and this may cause chemical burns to develop without pain being felt at the time. Cement based materials may until set cause both irritant and allergic contact dermatitis.

### **3. COMPOSITION/INFORMATION ON INGREDIENTS**

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

EC No.	CAS No.	HAZARDOUS INGREDIENTS	%	CLASSIFICATION
		SILICA,CRYSTALLINE,INHALABLE	50-75	
266-043-4	68475-76-3	PORTLAND CEMENT (CONTAINING <2PPM CHROMIUM VI BY USE OF REDUCING AGENTS)	10-25	Xi R37/38-41
208-863-7	544-17-2	CALCIUM FORMATE	1.0-2.5	Xi R41

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: SPEED IS ESSENTIAL.** Remove contact lenses. Immediately irrigate with eyewash solution or clean water, holding the eyelids apart, for at least 15 minutes. Obtain immediate medical attention.

**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: Recommended - alcohol resistant foam, CO<sub>2</sub>, powders.

Not to be used - waterjet.

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 fire should be cooled with water. Do not allow run-off 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.

Caution - Spillages may be very slippery.

## **7. HANDLING AND STORAGE**

**HANDLING CONDITIONS:** Prevent air-borne concentrations higher than the occupational exposure limits. Keep the container tightly closed. Exclude sources of heat, sparks and open flame. Avoid skin and eye contact. Avoid inhalation of vapour. Smoking, eating and drinking should be prohibited in storage and use areas. For personal protection, 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.

**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.

Take precautionary measures against static discharge. Dusts - Operations which may produce dusts should be controlled so that appropriate exposure limits for dusts are not exceeded. Suitable respiratory equipment should be used in case of insufficient ventilation or where operational procedure demands it.

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.

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.

**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**

<b>HAZARDOUS INGREDIENT</b>	<b>LTEL (8hr TWA) ppm</b>	<b>LTEL (8hr TWA) mg/m3</b>	<b>STEL (15 mins) ppm</b>	<b>STEL (15 mins) mg/m3</b>	<b>Notes</b>
SILICA,CRYSTALLINE,INHALABLE		10			
PORTLAND CEMENT (CONTAINING <2PPM CHROMIUM VI BY USE OF REDUCING AGENTS)		4			WEL,rd
CALCIUM FORMATE		4			WEL,rd

OEL - Occupational Exposure Limits

WEL - Workplace 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

rd - Figure quoted is for Respirable dust

id - Figure quoted is for Inhalable dust

Further guidance on WELs and OELs, and on 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.

**RESPIRATORY PROTECTION:** Avoid the inhalation of vapour, particulates and spray mist. 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 solvent vapour 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.

**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 exposure to dusts should be worn when there is a likelihood of exposure.

Cotton or cotton/synthetic overalls or coveralls are normally suitable. Care should be taken in the selection of protective clothing to ensure that inflammation and irritation of the skin at the neck and wrists through contact with the powder is avoided.

All clothing should be worn so as to avoid 'traps' for fresh material to fall in, ie. With sleeves over the gloves and trouser legs over boots - not tucked inside. If 'trapping' does happen immediately clean the contaminated area and the protective clothing with copious amounts of clean water.

**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 flattening or chemical stripping methods should be used with surfaces of this type to avoid the creation of dust. When dry flattening 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.

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.

Dry sanding, flame cutting and/or welding of the dry paint film may give rise to dust and/or hazardous fumes. Wet sanding should be used wherever possible. If exposure cannot be avoided by the provision of local exhaust ventilation, suitable respiratory protective equipment should be used.

Extra precautions will need to be taken when burning off old lead based paints (See above - "Flattening" 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 Flattening 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 :	Powder
Flash Point :	NON FLASH      °C
Specific Gravity :	2.674
Water Miscibility :	Yes
pH :	9.99
Viscosity :	N/A                      (ISO 6mm Range)

Initial Boiling Point in °C : 1000

The pH of wet/damp cement based products will be between 12 - 13.

## **10. STABILITY AND REACTIVITY**

CONDITIONS TO AVOID: Extremes of temperature.

MATERIALS TO 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 such as carbon monoxide and dioxide, smoke and oxides of nitrogen.

## **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.

High repeated dust exposures in excess of the OEL have been linked with rhinitis and coughing. Skin exposure has been linked to allergic (Chromium) dermatitis. Allergic dermatitis more commonly arises through contact with wet/damp cement containing mixtures than dry cement. Individuals who have suffered from these conditions should take extra care, or avoid use. Mild exposures to eyes can cause soreness. Gross exposures or untreated mild exposures can lead to chemical burning and ulceration of the eye. Contact between cement powder and body fluids (eg. Sweat and eye fluid) may also cause irritation, dermatitis or burns.

Powders can cause localised skin irritation in folds of the skin or in contact with tight clothing.

## **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, should be disposed of in accordance with national regulations.

CODES ACCORDING TO THE LIST OF WASTES REGULATIONS:

Product as supplied: Assigned as non-hazardous waste code 17 01 01 concrete.

Part-used containers, containing dried residues of the supplied product: Not Applicable.

Used containers, rigorously scraped out and containing dried residues of the supplied product: Assigned as non-hazardous waste code 15 01 01 Paper and cardboard packaging.

"Rigorously scraped out" means removing the maximum amount of product from the container by physical or mechanical means (draining or scraping) to leave a residue or contamination that cannot be removed by such means.

These codes have been assigned based on the actual composition of the product both as supplied and as dried residues. If mixed with other wastes, the waste codes quoted may not be applicable.

#### **14. TRANSPORT INFORMATION**

Transport within user's premises:

Always transport in closed containers that are upright and secure. Ensure that persons transporting the product know what to do in the event of an accident or spillage.

Transport to be in accordance with ADR for road, IMDG for sea. 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.

##### **ADR Classification Information**

UN Number : 0000  
Proper Shipping Name : UN NUMBER NOT  
REQUIRED  
Hazard Class : EX  
Sub-Hazard Class :  
Packing Group : EX  
Technical Name (NOS only) :  
Ltd Qty Code :  
Packing Instructions :

##### **IMDG Classification Information**

UN Number : 0000  
Proper Shipping Name : UN NUMBER NOT  
REQUIRED  
Hazard Class : EX  
Sub-Hazard Class :  
Packing Group : EX  
Technical Name (NOS only) :  
Ltd Qty Maximum :  
Packing Instructions :  
Marine Pollutant if indicated  
here:  
Emergency Schedule No :  
Flashpoint : NON FLASH

## **15. REGULATORY INFORMATION**

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

### **NAMED SUBSTANCES**

Contains

No substances are required to be named in this section

### **INDICATION(S) OF DANGER**

Irritant

### **SYMBOLS LETTER(S)**

Xi

### **WARNING LABEL PHRASES:**

R41	Risk of serious damage to eyes.
R37/38	Irritating to respiratory system and skin.
S24/25	Avoid contact with skin and eyes.
S36/39	Wear suitable protective clothing and eye/face protection.
S26	In case of contact with eyes, rinse immediately with plenty of water and seek medical advice.
J34	After contact with skin, rinse immediately with plenty of soap and water or a proprietary skin cleanser. Do not use solvent, thinners or white spirit.
S2	Keep out of the reach of children.
S46	If swallowed, seek medical advice immediately and show this container or label.
S64	If swallowed, rinse mouth with water (Only if person is conscious).
J18	Before use refer to safety data sheet.
J110	This includes waste hazard categories.
J50	Avoid the inhalation of dust. Wear a suitable face mask if dry sanding.
J44	Special precautions should be taken during surface preparation of pre-1960s paint surfaces over wood and metal as they may contain harmful lead.
J45(E)	For further advice contact: ICI Paints Technical Group at: ICI Paints, Wexham Road, Slough SL2 5DS. Tel: 0870 242 1100. See <a href="http://www.duluxtrade.co.uk">www.duluxtrade.co.uk</a>
J65	Polycell and the 'tick device' are trade marks of the ICI group.

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:

R37/38	Irritating to respiratory system and skin.
R41	Risk of serious damage to eyes.

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

Guidance on the use of cement containing products is given in the HSE Guidance Note EH26 (Occupational Skin Diseases - Health and Safety Precautions) (HMSO 1981).

You should satisfy yourself that your COSHH Assessment is in accordance with the COSHH Regulations and Approved Code of Practice. ICI does not accept any responsibility for your COSHH Assessment. 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.

We will be pleased to answer any specific enquiries regarding the safe use, storage and handling of our product.

Contact: ICI PAINTS Technical Group, Wexham Road, Slough, Berks. SL2 5DS  
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REVISION 04/2008: CHANGES TO ALL SECTIONS COMPARED WITH PREVIOUS VERSION DATED 12/2001 WHICH IS NOW SUPERSEDED.