

## MATERIAL SAFETY DATA SHEET

Safety Data (MSDS) Information relating to **tuffbau**

### 1 Identification of the products and company

Trade Names:

**tuffbed** bedding mortar

**tufftop** jointing mortar

**tufftop Utility** jointing mortar

**tuffbond** priming mortar

**tuffbond Utility** priming mortar

**tuffbed 2-pack** mothermix

**tuffset G** rapid system mortar

**tuffset 60** rapid repair mortar

**tufffix** paving repair mortar

Manufactured by **tuffbau**, 1 Northwick Road, Canvey Island Essex, SS8 0PU

For emergency advice contact **+44 203 598 9800 (8am to 5pm Monday to Friday)**.

### 2 Hazard designation: Xi Irritant

**Hazard to persons and environment:** R38 Irritating to skin. R41 Risk of serious damage to eyes. R42 May cause sensitisation by inhalation. R43 May cause sensitisation by skin contact. Contains Chromium V1. May produce an allergic reaction.

### 3 Composition/information on ingredients

Products classified as irritant contain Portland cement and also contain organic and inorganic additives and fillers which are not classified as hazardous.

Product	HS Code	Hazardous Ingredient	CAS Number	% of Cementitious Materials	Index	Risk Phase
<b>tuffbed</b> <b>tufftop</b> <b>tufftop Utility</b>	<b>2523 90 00</b> <b>2523 90 00</b> <b>2523 90 00</b>	<b>Type of cement:</b> Various types of Portland Cement and Pulverised Fuel Ash	65997-15-1 (Portland Cement)	20-50%	Xi	R38 R41 R42 R43 (Chip regulations)
<b>tuffbed 2-pack</b> <b>tuffset 60</b> <b>tuffset G</b> <b>tufffix</b>	<b>2523 90 00</b> <b>2523 90 00</b> <b>2523 90 00</b> <b>2523 90 00</b>	<b>Type of cement:</b> Various types of Portland Cement and Pulverised Fuel Ash	65997-15-1 (Portland Cement)	>50%	Xi	R38 R41 R42 R43 (Chip regulations)

### 4 First aid measures

**Inhalation:** Avoid breathing in powder, and if nose or airways become inflamed seek medical advice.

**After skin contact:** Wash the affected areas with soap and water and if discomfort, irritation or other symptoms occur seek medical advice.

**After eye contact:** Immediately rinse the affected eyes with copious amounts of clean water and if irritation persists, seek medical advice.

**After ingestion:** Wash out mouth with water, do not induce vomiting and if symptoms develop or persist seek medical attention as soon as possible.

## **5 Fire fighting measures:**

**Suitable extinguishing media:** Not applicable  
**Special exposure hazards:** None  
**Special protective equipment for fire fighters:** None

## **6 Accidental release measures**

**No dangerous chemicals are released.** Collect the spilled material by mechanical means minimising the release of air born dust.

## **7 Handling and storage**

**Handling:** The Manual Handling Operations Regulations 1992 (MHO) came into force on 1 January 1993. Practical guidance on the regulations is given in the HSE booklet manual handling: guidance on regulations ISBN 0 11 886335 5.

**Storage:** Store in a dry store in original packaging on pallets.

## **8 Exposure controls/personal protection**

**Exposure:** Under the COSHH Regulations there is a workplace exposure limit (WEL) for respirable crystalline silica of 0.1mg.m<sup>-3</sup> (8-hour time weighted average) (TWA). The workplace exposure limit of Portland cement and aggregate for respirable dust is 4mg.m<sup>-3</sup> (8-hour time weighted average) (TWA) and for inhalable dust is 10mg.m<sup>-3</sup> (8-hour time weighted average) (TWA). Take measures to reduce airborne dust during mixing.

**Personal protection:** Avoid contact with eyes and skin by the use of safety goggles and gloves. Remove any contaminated clothing. Wash hands at the end of work.

**Respiratory protection:** Suitable filter masks should be worn if the exposure limit above is likely to be exceeded.

## **9 Physical and Chemical properties**

**Appearance:** Powders of various colours according to product

**pH:** Approximately 12 at 20degrees centigrade in a saturated solution

**Relative density:** 1100-1700kg/m<sup>3</sup>

**Solubility:** Partly soluble in water

## **10 Stability and reactivity**

No instability when stored correctly

## **11 Toxicological information**

**Irritant effect on the skin and mucous membrane.** Sensitisation can be cause by allergic reaction, to Chromium V1. Strong irritant to eyes and serious eye damage can occur if not treated.

## **12 Ecological information**

Stable in soil. Slight water hazard Class 1 (German regulations). Do not allow large quantities of powder to reach ground water, rivers and drainage and sewerage systems

## **13 Disposal considerations**

Empty bags must be disposed in accordance with current waste disposal regulations

## **14 Transport information**

Not classified as hazardous

## **15 Regulatory information**

Products are classified under HSE list of symbols, abbreviations, risk and safety phrases: Chemical (Hazard Information and Packaging for Supply) Regulations 2002 and Control of Substances Hazardous to Health regulations (COSHH)

The appropriate classification from the CHIP (Health & Safety Executive) Regulations is Xi

<b>Risk phrases</b>	<b>R38</b> <b>R41</b> <b>R42</b> <b>R43</b>	Irritating to skin Risk of serious damage to eyes May cause sensitisation by inhalation May cause sensitisation by skin contact
<b>Safety phrases</b>	<b>S2</b> <b>S24/25</b> <b>S26</b> <b>S27</b> <b>S28</b> <b>S36/37/39</b> <b>S62</b>	Keep out reach of children Avoid contact with skin and eyes In case of contact with eyes, rinse immediately with plenty of water and seek medical advice Take off all contaminated clothing immediately After contact with skin, wash immediately with plenty of soap and water Wear suitable protective clothing, gloves and eye/face protection If swallowed, do not induce vomiting: seek medical advice immediately and show bag label

## **16 Other information**

The information contained in this document is based on our current state of knowledge and is intended to describe our products in accordance with current safety requirements.