Product Safety Data Sheet

prepared in accordance with Annex II of the REACH Regulation EC 1907/2006,
Regulation (EC) 1272/2008 and Regulation (EC) 453/2010.
Version 2.1

Revision Date 06.08.2015 Print Date 06.08.2015
Date of first issue 04.10.2011

1. IDENTIFICATION OF THE SUBSTANCE AND COMPANY

PRODUCT NAME: **Tradical® PF70**

SUPPLIER:
BCB
Rue du Choumois, ZAC BP 3011
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France
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2. COMPOSITION/INFORMATION ON INGREDIENTS

Composes: Calcium Hydroxide Ca $(OH)_2$ _and Hydraulic Binder. Lesser quantities of calcium carbonate, calcium silicates, silica and oxides of magnesium, aluminum and iron and other trace elements.

3. HAZARD IDENTIFICATION

Irritating to skin and eyes. Can cause burns in the presence of moisture. Risk of serious damage to eyes. It is advisable to ensure that eyewash facilities are available when Tradical® is handled. Gloves and goggles should be used.

4. FIRST AID MEASURES

SKIN:	Carefully and gently brush the contaminated body surfaces in order to remove all traces of product. Wash affected area immediately with plenty of water. Remove contaminated clothing. If skin irritation persists, call a physician
EYES:	Speed is essential. Irrigate with eyewash or clean with water until free off debris, seek medical attention.
INHALATION:	Irrigate nose and throat with water for at least 20minutes. It is advisable to seek medical attention.
INGESTION:	Wash out mouth with water and give copious amounts of water to drink. Larger doses may irritate gastrointestinal tract. Do not induce vomiting. Seek medical advice if necessary.
FURTHER TREATMENT:	No known delayed effects. The substance is not acutely toxic via the oral, dermal, or inhalation route. The substance is classified as irritating to skin and the respiratory tract, and entails a risk of serious damage to the eye. There is no concern for adverse systemic effects because local effects (pH-effect) are the major health hazard.

5. FIRE FIGHTING MEASURES

Suitable extinguishing media	The product is not combustible. Use a dry powder, foam or CO2 fire extinguisher to extinguish the surrounding fire. Use extinguishing measures that are appropriate to local circumstances and the surrounding environment
Unsuitable extinguishing media	DO NOT use water.

5.1 SPECIAL HAZARDS ARISING FROM THE SUBSTANCE OR MIXTURE

When heated above 600°C, calcium carbonate decomposes to produce calcium oxide (CaO) and carbon dioxide (CO_2).
When heated above 580°C, calcium dihydroxide decomposes to produce calcium oxide (CaO) and water (H_2O): $Ca(OH)_2 \rightarrow CaO + H_2O$.

5.3. ADVICE FOR FIREFIGHTERS

Avoid dust formation.
Use breathing apparatus.
Use extinguishing measures that are appropriate to local circumstances and the surrounding environment.

6. ACCIDENTAL RELEASE MEASURES

Steps to be taken in the event of spillage or release. Contain the spillage. Either keep the material dry and use vacuum suction unit or shovel into bags or damp down and shovel into bags. Cover area if possible to avoid unnecessary dust hazard. Avoid contamination of watercourses and drains, any spillages off site must be alerted to the Environmental Agency or other regulatory body.

7. HANDLING AND STORAGE

7.1 Handling
Keep dust levels to a minimum. Avoid contact with skin and eyes. Avoid inhalation of high concentrations of dust. Use barrier cream if necessary.

7.2 Storage
Store in a cool dry environment free from draughts. Minimise contact with air and moisture.

7.3 Ventilation requirements
Ventilation equipment may be needed to ensure dust levels are below OES.

8. EXPOSURE CONTROL AND PERSONAL PROTECTION

8.1 Handling systems should preferably be enclosed or suitable ventilation installed to maintain atmospheric dust below OEL (occupational exposure limit). All ventilation systems should be filtered before discharge.

8.2 If the atmospheric dust exceeds OEL wear suitable personal protective equipment. Use approved dust respirators to EN 149 category FFP2 or air stream helmet for heavy exposure.

8.3 Wear suitable gloves, overalls and eye/face protection. Rubber, leather or fabric/composite gloves provide suitable hand protection. Long sleeved overalls are recommended, close fitting at openings. Wide vision full goggles with anti-mist for eye protection. Wear boots that resist dust penetration.

General occupational hygiene measures are required to ensure safe handling of the substance. These measures involve good personal and housekeeping practices (i.e. regular cleaning with suitable cleaning devices), no drinking, eating and smoking at the workplace. Shower and change clothes at end of work shift. Do not wear contaminated clothing at home.

9. PHYSICAL AND CHEMICAL PROPERTIES

Solid of varying sizes. Lump, granular or fine powder. Colour – Creamy, grey or coloured in dry form. Odour – Faint earthy odour. pH – 1.5 - 13 (as aqueous solution approx. 2g/litre). Solubility in water (NHL content only) – 1760mg/litre saturated solution at 100ºC (reacts with water to for calcium hydroxide).

10. STABILITY AND REACTIVITY

10.1 Stable.

10.2 Hazardous decomposition products – none.

11. TOXICOLOGICAL INFORMATION

High concentrations of dust are an irritant to the respiratory tract. Gross inhalation may cause inflammation, ulceration, perforation of the nasal septum and pneumonitis. Prolonged repeated inhalation of high dust concentration may cause similar effects. Irritant to the skin in the presence of moisture. May cause burns. Prolonged and repeated contact with skin may result in severe irritation or dermatitis. Very painful irritant to the eyes – may cause burns. Risk of severe and permanent damage to eyes. If swallowed, may cause corrosion damage to the gastrointestinal tract The product is considered to be non-toxic.

12. ECOLOGICAL INFORMATION

Strongly soluble in water to form alkaline solution. Low mobility in moist ground conditions. Non bio-degradable, reacts with moisture to form calcium hydroxide, reacts with atmospheric and dissolved carbon dioxide to for calcium carbonate.
The product is considered to be non-toxic.

13. DISPOSAL CONSIDERATIONS

Disposal should be in accordance with local and national legislation. The materials are reusable and biodegradable.

14. TRANSPORATION INFORMATION

Not classified as hazardous for transportation.

15. REGULATORY INFORMATION

The Chemicals (Hazard Information and Packaging for Supply) Regulations 2002.

Classification for supply: Irritant Classification for Conveyance: None
Risk phases R36/38 – Irritating to eyes and skin R41 – Risk of serious damage to eyes R43 Contact with skin may cause mild burning sensation
Safety phases S2 – Keep out of reach of children S22 – Do not breathe dust S24/25 Avoid contact with skin and eyes S26 In case of contact with eyes, rinse immediately with plenty of water and seek medical advice S37 – Wear suitable gloves S39 – Wear eye/face protection

Low Chromate content according to TRGS 613.

16 OTHER INFORMATION

HSE Guidance Notes EH40: Occupational Exposure Limits (current edition) EH42: Monitoring Strategies for Toxic Substances EH44: Dust in the Workplace: General principles of Protection.