



DH/DS/BCB.0 24 May 2016

Material 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 and ISO 10005 2005

Revision Date 15.05.2016

Print Date 06.08.2015

Date of first issue 04.10.2011

PRODUCT NAME:

Tradical® PF70

Company Details

SUPPLIER FRANCE:

**COMPANY DETAILS
ADDRESS
TELEPHONE FAX**

BCB
Rue du Choumois, ZAC BP 3011 25045 Besancon France
Tel: 0845 603 1143 Fax: 08 62448782

SUPPLIER AUSTRALIA:

**COMPANY DETAILS
ADDRESS
TELEPHONE FAX
EMERGENCY TELEPHONE**

OZHemp
16 Phillimore Street Fremantle WA 6160 Australia
Tel: 08 6424 8262 Fax: 086424 8782
Tel: 08 6424 8262

HAZARD IDENTIFICATION

Product Names	Tradical PF70
Other Names	None Listed
Product Code	None Listed
UN No:	None allocated
Hazchem:	Hazardous Substance. Non-dangerous Goods
D.G. Class:	None allocated
Pack. Grp.:	None allocated
Product Type:	Hydraulic Binder
Major Ingredients:	Calcium Hydroxide Ca (OH)
Poisons Schedule	Not scheduled
Product Use	Interior/Exterior binder for solid wall and insulation composites

Risk Phrases

R20/21/22:	Harmful by inhalation, in contact with skin
R48/20:	Danger of serious damage to health by prolonged exposure through inhalation.
R36/37/38:	Irritating to eyes, respiratory system and skin. Can cause burns in the presence of moisture. Risk of serious damage to eyes.

Safety Phrases

S22:	Do not breathe dust and if swallowed.
S24/25:	Avoid contact with skin and eyes.
S29:	Do not empty into drains.
S36/37/39:	Wear suitable protective clothing, gloves and eye/face protection. It is advisable to ensure that eyewash facilities are available when Tradical® is handled.
S38:	In case of insufficient ventilation, wear suitable respiratory equipment.

PHYSICAL PROPERTIES

Appearance:	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)
Specific Gravity (bulk):	1.4 to 1.8
Flash Point:	Non Combustible
Solubility in water (NHL only)	1760mg/litre saturated solution at 100°C (reacts with water to form calcium hydroxide)

COMPOSITION/INFORMATION OF INGREDIENTS**Main ingredients****Name:**

Calcium Hydroxide Ca (OH)
Hydraulic Binder



DH/DS/BCB.0 24 May 2016

Secondary Ingredients

Name:

calcium carbonate
calcium silicates
silica
magnesium oxide
aluminum oxide
iron oxide
other trace elements

FIRST AID INFORMATION

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.

PERSONAL PROTECTION

EYES / SKIN

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 (AS/NZ 1336)

FIRE FIGHTING MEASURES

Fire/Explosion Hazard

Non-combustible.

Hazchem Code

None allocated

Flammability

Not flammable

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.

ADVICE FOR FIREFIGHTERS

Avoid dust formation.

Use breathing apparatus.

Use extinguishing measures that are appropriate to local circumstances and the surrounding environment.

REGULATORY INFORMATION

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

Classification for supply

Irritant

Classification for Conveyance

NoneLow Chromate content according to TRGS 613.

SPECIAL HAZARDS ARISING FROM THE SUBSTANCE OR MIXTURE

When heated above 600°C, calcium carbonate decomposes to produce calcium oxide (CaO) and carbon dioxide (CO2).

When heated above 580°C, calcium dihydroxide decomposes to produce calcium oxide (CaO) and water (H₂O): $\text{Ca (OH)}_2 \rightarrow \text{CaO} + \text{H}_2\text{O}$.

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.

SAFE HANDLING AND STORAGE INFORMATION

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.
Storage	Store in a cool dry environment free from draughts. Minimise contact with air and moisture.
Ventilation requirements	Ventilation equipment may be needed to ensure dust levels are below OES.

EXPOSURE CONTROL AND PERSONAL PROTECTION

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.

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.

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.



DH/DS/BCB.0 24 May 2016

STABILITY AND REACTIVITY

Stable.

Hazardous decomposition products – none.

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.

ECOLOGICAL INFORMATION

Strongly soluble in water to form alkaline solution. Low mobility in moist ground conditions. Non biodegradable, reacts with moisture to form calcium hydroxide, reacts with atmospheric and dissolved carbon dioxide to form calcium carbonate.

The product is considered to be non-toxic.

DISPOSAL CONSIDERATIONS

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

TRANSPORTATION INFORMATION

Road and Rail Transport (ACTDG) Class NIL

IATA Classification Class NIL Packaging Group NIL

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.

.....**END OF MSDS**.....

This MSDS has been developed according to Worksafe Australia / NOHSC guidelines.