



## SAFETY DATA SHEET

### FH 20

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

PRODUCT NAME FH 20

SUPPLIER

**ARDEX ENDURA (INDIA) PRIVATE LIMITED**

Corporate Office & Regd. Office:

Unit No. 406 & 407, "Brigade Rubix", No. 20, Yeshwanthapur Hobli,

HMT Campus, Bangalore - 560022. Karnataka, INDIA.

CIN No: U24233KA1997PTC022383

Tel: +91 80 66746500 Fax: +91 80 66746540

Email: [customercare@ardexendura.com](mailto:customercare@ardexendura.com) Visit us: [www.ardexendura.com](http://www.ardexendura.com)

#### 2. HAZARDS IDENTIFICATION

R37/38 : Irritating to respiratory system and skin

R41 : Risk of serious damage to eyes

R43 : Contains Chromium (VI): may cause allergic Reaction.

#### 3. COMPOSITION/INFORMATION ON INGREDIENTS

Names	Symbol	Risk Phrases	CAS No.	Content
Cement (OPC)	Xi	R37/38, R43, R41	65997-15-1	>25% <50%

All constituents of this product are listed in EINECS (European Inventory of Existing Commercial Chemical Substances) or ELINCS (European List of New Chemical Substances) or are exempt.

Refer to Section 8 for Occupational Exposure Limits.

#### 4. FIRST-AID MEASURES

##### INHALATION

Remove from exposure. If feeling unwell obtain medical attention.

##### INGESTION

Wash out mouth with water. Do NOT induce vomiting. Obtain medical attention.

##### SKIN CONTACT

Wash immediately with copious quantities of water. Remove contaminated clothing immediately. Obtain medical advice if skin disorders develop.

##### EYE CONTACT

Irrigate immediately with copious quantities of water for several minutes. Obtain medical attention urgently.

#### 5. FIRE-FIGHTING MEASURES

##### EXTINGUISHING MEDIA

Not applicable.

##### SPECIAL EXPOSURE HAZARDS

None.

##### SPECIAL PROTECTIVE EQUIPMENT

None.

**FH 20****6. ACCIDENTAL RELEASE MEASURES****PERSONAL PRECAUTIONS**

Wear rubber boots in addition to the recommended protective clothing.

**ENVIRONMENTAL PRECAUTIONS**

Prevent entry into drains, sewers and water courses.

**DECONTAMINATION PROCEDURES**

Avoid the creation of dust in atmosphere. Gather into containers. Residues may be flushed to drain with large volumes of water. Prior consent must be obtained from the local Water Company if discharged to sewer.

**7. HANDLING AND STORAGE****USAGE PRECAUTIONS**

Avoid creating dust. Avoid breathing dust. In case of insufficient ventilation, wear suitable respiratory equipment. Avoid skin and eye contact.

**STORAGE PRECAUTIONS**

Store in cool, dry area.

**8. EXPOSURE CONTROLS/PERSONAL PROTECTION****OCCUPATIONAL EXPOSURE LIMITS**

Substance	8 Hour TWA	STEL	Source/Other Information
portland cement:			EH 40
total inhalable dust	10 mgm <sup>-3</sup>	-----	
respirable dust	4 mgm <sup>-3</sup>		

**ENGINEERING CONTROL MEASURES**

Atmospheric levels of dust must be maintained within the Occupational Exposure Limit. Where mechanical methods are inadequate or impractical, appropriate personal protective equipment must be used.

**PERSONAL PROTECTIVE EQUIPMENT**

Impervious gloves (eg PVC). Goggles (Conforming to EN 166) / Safety glasses (Conforming to EN 166). Approved dust mask, conforming to EN 149. Nominal Protection Factor (NPF) to be determined.. Change contaminated clothing and clean before re-use.

**9. PHYSICAL AND CHEMICAL PROPERTIES**

Physical State	Aggregated powder.
Colour	Grey
Odour	Odourless.
PH(concentrate)	>12
pH(working dilution)	
Boiling Point/Range (°C)	Not applicable.
Melting Point/Range (°C)	
Flash Point (closed, °C)	None.
Autoflammability (°C)	Not applicable
Viscosity (at 20°C)	
Explosive Properties (%)	
Oxidising Properties	Not determined
Vapour Pressure (kPa at 20°C)	
Relative Density (at 20°C)	2.0 (bulk)
Water Solubility	Partially soluble.
Fat Solubility	
Partition Coefficient (noctanol/ water)	
Other data	

**FH 20****10. STABILITY AND REACTIVITY****STABILITY**

Stable.

**CONDITIONS TO AVOID**

Exposure to air. Contamination with water.

**MATERIALS TO AVOID**

Strong acids.

**HAZARDOUS DECOMPOSITION PRODUCTS**

None.

**11. TOXICOLOGICAL INFORMATION****HEALTH EFFECTS****INHALATION**

Irritating to respiratory system. Inflammation of the nasal mucous membrane by exposure to cement dust.

**INGESTION**

May cause irritation of mouth, throat and digestive tract.

**SKIN CONTACT**

Irritation. See "chronic" effects.

**EYE CONTACT**

Irritating and may injure eye tissue if not removed promptly.

**CHRONIC**

Cement, cementitious grouts and mortars are known to cause both irritant and allergic contact dermatitis. Prolonged skin contact can result in chemical burns.

**12. ECOLOGICAL INFORMATION****ENVIRONMENTAL ASSESSMENT**

Little detailed information is available on the ecological effects of this product, but its overall environmental impact is not regarded as significant

**MOBILITY**

Partially soluble in water.

**PERSISTENCE AND DEGRADABILITY**

Not readily biodegradable.

**BIOACCUMULATIVE POTENTIAL**

Not expected to be bioaccumulative.

**ECOTOXICITY**

Not determined.

**13. DISPOSAL CONSIDERATIONS**

Disposal must be in accordance with local and national legislation.

**UNUSED PRODUCT**

Dispose of in an approved manner.

**USED/CONTAMINATED PRODUCT**

As for Unused product.

**PACKAGING**

The method of disposal must be acceptable to the local authority.

**14. TRANSPORT INFORMATION**

This product is NOT classified as dangerous for transport.

IMO:	Class:	Packing Group:	Marine Pollutant:
IATA/ICAO:	Class:	Packing Group:	
ADR:	Class:	Item:	

**15. REGULATORY INFORMATION**

## HAZARD LABEL DATA



Irritant

## NAMED INGREDIENTS

cement powders

## UN NUMBER

SYMBOL(S) : Xi

## RISK PHRASES

R37/38 Irritating to respiratory system and skin.  
 R41 Risk of serious damage to eyes  
 R43 Contains Chromium (VI): may cause allergic reaction.

## SAFETY PHRASES

S22 Do not breathe dust  
 S24/25 Avoid contact with skin and eyes  
 S37/39 Wear suitable gloves and eye/face protection  
 S26 In case of contact with eyes, rinse immediately with plenty of water and seek medical advice  
 S28 After contact with skin, wash immediately with plenty of soap and water

## EC DIRECTIVES

Dangerous Substances Directive, 67/548/EEC and adaptations.  
 Dangerous Preparations Directive, 1999/45/EC.  
 Safety Data Sheets Directive, 91/155/EEC.

## STATUTORY INSTRUMENTS

Chemicals (Hazard Information and Packaging for Supply) (Amendment) Regs. 1996 (SI 1092).  
 Health & Safety at Work, etc. Act 1974.  
 Control of Substances Hazardous to Health Regs. 1999 (SI 3246).

## CODES OF PRACTICE

Waste Management. The Duty of Care.

## GUIDANCE NOTES

Occupational skin diseases: health and safety precautions (EH 26).  
 Dust in the workplace: general principles of protection. (EH 44).  
 Occupational exposure limits (EH 40).

The above publications are available from HMSO

**16. OTHER INFORMATION**

TRAINING ADVICE : The details of this data sheet must be passed on to all personnel handling the product.

**DISCLAIMER**

This information relates only to the specific material designated and may not be valid for such material used in combination with any other materials or in any process. Such information is, to the best of the company's knowledge and belief, accurate and reliable as of the date indicated. However, no warranty guarantee or representation is made to its accuracy, reliability or completeness. It is the user's responsibility to satisfy himself as to the suitability of such information for his own particular use.