



## Material Safety Data Sheet ARDIFLEX S2

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

PRODUCT NAME                    ARDIFLEX S2

SUPPLIER                         **ARDEX ENDURA (INDIA) PRIVATE LIMITED**  
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### 2. HAZARDS IDENTIFICATION

Risk of serious damage to eyes.

CLASSIFICATION (1999/45)                    Xi;R41.

#### HUMAN HEALTH

When the cement based powder is mixed with water or admixture, a strongly alkaline paste is produced. Cement based products may, until set, cause both irritant and allergic contact dermatitis. Irritant contact dermatitis is due to a combination of the wetness, alkalinity and abrasiveness of the constituent materials. Allergic contact dermatitis is caused mainly by the sensitivity of the individual's skin to hexavalent chromium salts.

### 3. COMPOSITION/INFORMATION ON INGREDIENTS

Name	CAS-No.	Content	Classification (67/548/EEC)
<b>ORDINARY PORTLAND CEMENT</b>	<b>65997-15-1</b>	<b>40-50%</b>	<b>Xi;R41.</b>
<b>GRADED FILLER</b>		<b>50-60%</b>	
<b>POLYMER</b>		<b>05-10%</b>	

The Full Text for all R-Phrases is Displayed in Section 16

#### COMPOSITION COMMENTS

The Grey adhesives contain a reducing agent to ensure that the CrVI content of the adhesive remains below 2ppm during the defined shelf life of the adhesive.

### 4. FIRST-AID MEASURES

#### INHALATION

Move the exposed person to fresh air at once. Get medical attention if any discomfort continues.

#### INGESTION

DO NOT induce vomiting. Get medical attention immediately. Immediately rinse mouth and drink plenty of water (200-300 ml).

#### SKIN CONTACT

Remove contaminated clothing immediately and wash skin with soap and water. Wash the skin immediately with soap and water. Get medical attention if irritation persists after washing.

#### EYE CONTACT

Immediately flush with plenty of water for up to 15 minutes. Remove any contact lenses and open eyes wide apart. Get medical attention immediately. Continue to rinse.

### 5. FIRE-FIGHTING MEASURES

#### EXTINGUISHING MEDIA

The product is not flammable. Use fire-extinguishing media appropriate for surrounding materials.

**ARDIFLEX S2****6. ACCIDENTAL RELEASE MEASURES****PERSONAL PRECAUTIONS**

Wear protective clothing as described in Section 8 of this safety data sheet.

**ENVIRONMENTAL PRECAUTIONS**

Do not discharge into drains, water courses or onto the ground.

**SPILL CLEAN UP METHODS**

Avoid contact with skin or inhalation of spillage, dust or vapour. Dampen spillage with water. Absorb in vermiculite, dry sand or earth and place into containers. Shovel into dry containers. Cover and move the containers. Flush the area with water.

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

Avoid contact with skin and eyes. Provide good ventilation.

**STORAGE PRECAUTIONS**

Store in tightly closed original container in a dry and cool place.

**STORAGE CLASS**

Chemical storage.

**8. EXPOSURE CONTROLS/PERSONAL PROTECTION**

Name	STD	TWA - 8 Hrs	STEL - 15 Min	Notes
<b>ORDINARY PORTLAND CEMENT</b>	<b>WEL</b>		4 mg/m <sup>3</sup>	

WEL = Workplace Exposure Limit.

**INGREDIENT COMMENTS**

WEL = Workplace Exposure Limits

**PROTECTIVE EQUIPMENT****PROCESS CONDITIONS**

Provide eyewash station.

**ENGINEERING MEASURES**

Provide adequate ventilation, including appropriate local extraction, to ensure that the defined occupational exposure limit is not exceeded.

**RESPIRATORY EQUIPMENT**

If ventilation is insufficient, suitable respiratory protection must be provided.

**HAND PROTECTION**

Use protective gloves.

**EYE PROTECTION**

Wear splash-proof eye goggles to prevent any possibility of eye contact.

**OTHER PROTECTION**

Wear appropriate clothing to prevent any possibility of skin contact.

**HYGIENE MEASURES**

DO NOT SMOKE IN WORK AREA! Wash at the end of each work shift and before eating, smoking and using the toilet. When using do not eat, drink or smoke. Promptly remove any clothing that becomes contaminated.

**9. PHYSICAL AND CHEMICAL PROPERTIES****APPEARANCE**

Powder, dust.

**ARDIFLEX S2****10. STABILITY AND REACTIVITY****STABILITY**

Stable under normal temperature conditions.

**CONDITIONS TO AVOID**

Avoid contact with acids.

**HAZARDOUS DECOMPOSITION PRODUCTS**

Fire creates: Carbon monoxide (CO). Carbon dioxide (CO<sub>2</sub>).

**11. TOXICOLOGICAL INFORMATION****INHALATION**

May cause irritation to the respiratory system. May cause damage to mucous membranes in nose, throat, lungs and bronchial system. Harmful: danger of serious damage to health by prolonged exposure through inhalation.

**INGESTION**

Ingestion may cause severe irritation of the mouth, the oesophagus and the gastrointestinal tract.

**SKIN CONTACT**

The product contains a small amount of sensitising substance which may provoke an allergic reaction among sensitive individuals after repeated contact.

**EYE CONTACT**

Risk of serious damage to eyes. May cause chemical eye burns.

**HEALTH WARNINGS**

Repeated exposure in excess of the WEL has been linked with rhinitis and coughing. Skin exposure has been linked to allergic chromium dermatitis.

**12. ECOLOGICAL INFORMATION****ECOTOXICITY**

The product may affect the acidity (pH-factor) in water with risk of harmful effects to aquatic organisms.

**MOBILITY**

The product is non-volatile. The product is insoluble in water and will sediment in water systems.

**BIOACCUMULATION**

No data available on bioaccumulation.

**13. DISPOSAL CONSIDERATIONS****GENERAL INFORMATION**

Dispose of waste and residue in accordance with local authority requirements.

**DISPOSAL METHODS**

Dispose of waste and residues in accordance with local authority requirements.

**14. TRANSPORT INFORMATION****GENERAL**

The product is not covered by international regulation on the transport of dangerous goods (IMDG, IATA, ADR/RID).

No transport warning sign required.

**ROAD TRANSPORT NOTES**

Not Classified

**RAIL TRANSPORT NOTES**

Not classified.

**SEA TRANSPORT NOTES**

Not classified.

**AIR TRANSPORT NOTES**

Not classified.

**15. REGULATORY INFORMATION****LABELLING**

Irritant

## ARDIFLEX S2

### RISK PHRASES

R41 Risk of serious damage to eyes.

### SAFETY PHRASES

S2 Keep out of the reach of children.

S24/25 Avoid contact with skin and eyes.

S36/37/39 Wear suitable protective clothing, gloves and eye/face protection.

P17 Contains chromium (VI). May produce an allergic reaction.

P31 Contact with wet cement, wet concrete or wet mortar may cause irritation, dermatitis or burns.

P32 Contact between cement powder and body fluids (eg. sweat and eye fluid) may also cause skin and respiratory irritation, dermatitis or burns.

### STATUTORY INSTRUMENTS

The Chemicals (Hazard Information and Packaging for Supply) Regulations 2009 (S.I 2009 No. 716).

### APPROVED CODE OF PRACTICE

Safety Data Sheets for Substances and Preparations. Classification and Labelling of Substances and Preparations Dangerous for Supply.

### GUIDANCE NOTES

Workplace Exposure Limits EH40. CHIP for everyone HSG(108).

## 16. OTHER INFORMATION

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

### RISK PHRASES IN FULL

R41 Risk of serious damage to eyes.

### 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.