



# Safety Data Sheet

Fecha: 24/May/2016

COMMERCIAL PRODUCT NAME: TECHMO ADI3TEK

## 1. IDENTIFICATION OF PREPARATION AND COMPANY

<b>Trade name:</b>	TECHMO ADI3TEK®
<b>Manufacturer/Supplier:</b>	TÉCNICAS DE HORMIGÓN Y MORTEROS S.L.
<b>Address:</b>	C/ Las Mimosas, Fase 1, Nave 35A-35B Polígono Industrial de Arinaga. 35118 Agüimes - Gran Canaria
<b>Phone:</b>	928 18 93 55/56
<b>Fax</b>	928 18 80 41
<b>Emergency Phone:</b>	91 562 04 20 (National Institute of Toxicology)

## 2.- HAZARDS IDENTIFICATION

### 2.1 Danger Characteristics

Danger Symbol: Xi (irritant)  
R 36/37/: Irritant to skin and eyes  
R 43: Possible irritation/sensitivity in contact with the skin

### 2.2 Main routes of Entry

Inhalation: Not a direct route of entry  
Eyes-Skin: Yes, by contact with the product  
Ingestion: Yes, by mouth

### 2.3 Potential Health Effects

Eyes: Direct eye contact may cause serious and potentially irreversible eye injury  
Skin: Continued contact with product may cause skin rash. Prolonged or repeated skin contact may cause dermatitis.  
Ingestion: May cause severe and permanent damage to the digestive tract.

### 2.4 Environment

Techmo Adi3tek® does not present any particular risks to the environment when handled correctly.

## 3.- COMPOSITION/INFORMATION ON INGREDIENTS

Techmo Adi3tek® is a beige color suspension composed of Inorganic anti-caking compounds, surfactants, stabilizers and anti-polymerizing agents.

## 4.- FIRST AID MEASURES

Take this Material Safety Data Sheet with you when contacting a Physician.

### 4.1 Eyes:

Do not rub eyes to prevent cornea damage. Extensive irrigation with water or a sterile 0.9% Sodium Chloride (saline) solution is required (at least 15 minutes). Get medical aid immediately.

### 4.2 Skin:

Immediately flush skin with plenty of soap and water, while removing contaminated clothing and shoes and other personal items. Wash clothing/.shoes or any other personal items before reuse. If shoes become contaminated in the inside, discard shoes. If skin rash/irritation develops get medical aid immediately.

### 4.3 Ingestión:

Do not induce vomit. If the person is conscious and alert, rinse mouth thoroughly to eliminate dust or any remaining material; drink plenty of water (one liter at least) and get medical attention immediately.



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### 5.- FIRE FIGHTING MEASURES

#### 5.1 General Information:

Techmo Adi3tek® is not flammable and does not feed or facilitate combustion of other materials.

#### 5.2 Extinguishing Media:

In the event of a fire, wear a self-contained breathing apparatus in pressure-demand, MSHA/NIOSH (approved or equivalent), and full protective gear. Wear appropriate protective clothing to prevent contact with skin and eyes. Use carbon dioxide or dry chemical extinguisher. Contact professional fire-fighters immediately. Cool containers with flooding quantities of water well after fire is out.

#### 5.3 Anti-flammability Limits: Inferior Limit Explosive (ILE) Superior Explosion Limit (SEL):

Not applicable

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### 6.- ACCIDENTAL RELEASE MEASURES

#### 6.1 General Information:

Use proper personal protective equipment (PPE) as described in Section 8.2 Follow handling instructions as described in Section 7.

#### 6.2 Spills/Leaks:

Avoid runoff into sewers and ditches which lead to waterways. Clean up spills immediately, observing precautions as indicated in Section 8.2. Provide ventilation. Use water spray to reduce vapors, if any. Cover with dry earth, sand, or other non-combustible material followed with plastic sheet to minimize spreading. Keep any combustible materials (wood, paper, oil, etc) away from spilled materials.

#### 6.3 Cleaning Methods:

Collect spilled material with a clean plastic shovel, placing material inside a clean, dry container (e.g. a plastic bucket or a polyethylene bag), cover with a lid and dispose of it properly. Follow instructions provided in Sections 5.2, 6.2, 7 and 8.2.

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### 7.- HANDLING AND STORAGE

Do not handle or store this product near food, beverages or tobacco.

#### 7.1 Handling

Follow instructions given in Section 8  
To clean a spill see Section 6.3

#### 7.2 Storage

Keep containers closed when not in use to prevent contamination.

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### 8.- EXPOSURE CONTROLS, PERSONAL PROTECTION

#### 8.0 Engineering Controls

Facilities storing or utilizing this material should be equipped with an eye wash facility and a safety shower. Material should be placed in a cool, dry, well-ventilated area away from incompatible substances. Store protected from airborne contaminants. Do not store near alkaline substances.

#### 8.1. Exposure limits

Maximum Exposure Time: 4 h  
Skin: Severe skin irritation.  
Eyes: Severe eye irritation

#### 8.2. Exposure Control

General Information:  
Do not eat, drink, or smoke while working to avoid skin contact or accidental ingestion of the product.



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### Personal Protective Equipment

#### Eyes:

Wear appropriate protective eye glasses or chemical safety goggles as described by OSHA's eye and face protection regulations in 29 CFR 1910.133 or European Standard EN 166.

#### Skin:

Wear appropriate protective gloves to prevent skin exposure, i.e. Waterproof, abrasion and alkali resistente gloves, steel tip safety shoes and long sleeve protective garments. Special care should be taken to prevent materials from getting inside safety boots. Once work is finished, workers should wash hands, face, etc and/or shower. The use of moisturizing creams is highly recommended to avoid skin dryness. Remove any stained item (clothing, shoes, watches, etc) and wash thoroughly before reuse.

## 9.- PHYSICAL AND CHEMICAL PROPERTIES

### 9.1 Product Description:

Beige color suspension with an odor similar to damp clay. NFPA Rating: (estimated) Health: 0  
Flammability: 1 Reactivity: 0

- Viscosity @ 37.8° C (100° F)	180-210 sus	D-88
- Density @ 25° C	1,200-1,600 Kg/Lto.	D-1298
- Alkaline Earth Salt	45-50% by weight	D-5863
- Surfactants	8-10% by weight	D-5863
- Dispersants	10-15% by weight	D-5863
- Antisediment Agents	15-20% by weight	D-5863
- Combustion catalysts	10-15% by weight	D-5863
- Ignition Temperature	65- 80° C	D-92
- Ashes	53.0-55.0 % by weigh	D-482
- Lead	Less than 2 ppm	D-5863
- Chromium	Less than a 2 ppm	D-5863
- Sodium (Na % by weight)	0.53	D-5863

## 10.- STABILITY AND REACTIVITY

### 10.1. Chemical Stability

Techmo Adi3tek® is stable at room temperature (See Section 7)

### 10.2. Conditions to avoid

Incompatible materials, ignition sources, metals, excess heat, combustible materials, organic materials, reducing agents, oxidizers, amines, alkalies or acids. Pronounced loss of moisture may result in finished product quality problems.

### 10.3. Hazardous decomposition products/polymerization

Not reported to date..

## 11.- TOXICOLOGICAL INFORMATION

### 11.1. Acute Effects

Acute Dermal toxicity:: DL50 rat  
Dosis: 5.001 mg / kg  
Acute Oral Toxicity: DL50 rabbit  
Dosis: 2.001 mg / kg  
Acute inhalation Toxicity: CL50 rat  
Dosis: 7,64 mg / l

### Ingestion:

Do not induce vomit. If the person is conscious and alert, rinse mouth thoroughly to eliminate dust or any remaining material, drink plenty of water and get medical attention immediately.

### 11.2 Eyes and Skin

Direct contact may cause damage to the cornea by mechanical stress, irritation and immediate or delayed inflammation.

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Direct contact with skin can cause dermis damage as cracking or castic burns without appearance of prior symptoms.

### 11.3. Chronic Effects

Carcinogenicity: No causal relationship has been established so far.

### 11.4. Exacerbation of Prior Disease by Exposure

No data available

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## 12.- ECOLOGICAL INFORMATION

### 12.1. Eco-toxicity

No data available.

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## 13.- DISPOSAL CONSIDERATIONS

Chemical waste generators must determine whether a discarded chemical is classified as a hazardous waste. US EPA guidelines for the classification determination are listed in 40 CFR Parts 261.3

Additionally, waste generators must consult state and local hazardous waste regulations to ensure complete and accurate classification.

RCRA P-Series: None Listed

RCRA U-Series: None Listed

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## 14.- TRANSPORT INFORMATION

### US DOT

Shipping Name: Techmo Adi3tek®

Techmo Adi3tek® is not considered a hazardous material by International Transport Authorities (IMDG, IATA, ADR/RID)

No additional precautions necessary to transport this product. Refer to Section 8 for handling and storage of the product.

Secondary Risk: NONE

U.N.: Not regulated

Containers and packing: CONTAINERS 1 M3

NFPA: No information available

Referencia: ( NOM-002-SCT2-1994)

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## 15.- REGULATORY INFORMATION

RED COLOR

FIRE/FUEGO= 1

SKY BLUE COLOR

HEALTH /SALUD= 0

YELLOW COLOR

REACTIVITY/REACTIVIDAD= 0

WHITE COLOR

SPECIAL RISKS/RIESGOS

ESPECIALES= NOT APPLICABLE

