



Safety Data Sheet

Fecha: 03/March/2016

COMMERCIAL PRODUCT NAME: TECHMO ADICLOR

1. IDENTIFICATION OF PREPARATION AND COMPANY

Trade name:	TECHMO ADICLOR
Manufacturer/Supplier:	TÉCNICAS DE HORMIGÓN Y MORTEROS S.L.
Address:	C/ Las Mimosas, Fase 1, Nave 35A-35B Polígono Industrial de Arinaga. 35118 Agüimes - Gran Canaria
Phone:	928 18 93 55/56
Fax	928 18 80 41
Emergency Phone:	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 ADICLOR does not present any particular risks to the environment when handled correctly.

3.- COMPOSITION/INFORMATION ON INGREDIENTS

TECHMO ADICLOR is a beige color suspension composed of Inorganic anti-caking compounds, surfactants, stabilizers and anti-polymerizing agents. The following nano additives are also part of the formula:

Sequestering agents, detergents, tensoactives, complexes and surfactants with low ecological impact.

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 ADICLOR 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

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.

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.

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.

Personal Protective Equipment

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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: 1 Flammability: 1 Reactivity: 0

- Viscosity @ 37.8 oC (100oF)	430-620 sus.
- Density @ 25 °C	1,20-1.30 Kg/L.
- Surfactants	6 % minimum by weight
- Dispersants	8 % minimum by weight
- Anti-Caking	13 % minimum by weight
- Alkaline Earth Salts	13 % minimum by weight
- Fuel Catalyzers	8 % minimum by weight
- Ignition Temperature	More than 150oC
- Lead	Less than 2 ppm
- Chromium	Less than 2 ppm
- Sodium (Na % by weight)	0.53
- PH	9.5 - 12

10.- STABILITY AND REACTIVITY

10.1. Chemical Stability

TECHMO ADICLOR 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.

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

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11.3. Chronic Effects

Carcinogenicity: No causal relationship has been established so far.

11.4. Exacerbation of Prior Disease by Exposure

No data available

12.- ECOLOGICAL INFORMATION

12.1. Eco-toxicity

No data available.

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

14.- TRANSPORT INFORMATION

US DOT

Shipping Name: TECHMO ADICLOR

TECHMO ADICLOR 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: 1,000 liter containers (1 M3) and/or 20,000 liter flexitanks in 20ft shipping containers

NFPA: No information available

Referencia: (NOM-002-SCT2-1994)

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



16.- OTHER INFORMATION

Hazardous Symbols/Nomenclature

Xi	Irritant
Xn	Noxious
T	Toxic
N	Environmental Hazard

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R36	Eye Irritant
R52/53	Noxious to aquatic life. Possible long term negative effects for aquatic organisms
R41	Risk of severe ocular lesions
R22	Toxic by ingestion
R38	Skin irritant
R48/22	Noxious: Serious long term effects by prolonged exposure by ingestion
R23/24/25	Toxic by inhalation, by ingestion and by contact with skin
R34	Causes skin burns
R43	Possible skin irritation in contact with skin
R50/53	Very toxic to aquatic life. Serious long term negative effects for aquatic organisms.

DISCLAIMER:

This safety data information complements that provided in the product data sheet but does not replace it. The information contained in the safety data sheet is based on the State of our knowledge ,concerning the product, at the time of issuing the safety data sheet. The user is warned of the risks involving the use of this product for a purpose other than the one stated, and that the user becomes responsible for risks that may result from a use different from the one recommended. For practical purposes, this material safety data sheet does not exempt the end user of the knowledge and application of laws, rules and regulations currently in effect. It is the End-user responsibility to take all necessary precautions when using this product.