

ADERA OPTIM - UNIVERSAL PLASTER

SAFETY DATA SHEET

According to the Annex to Regulation (EU) No 830/2015 amending Regulation (EC) No 1907/2006 and Regulation (EU) No 453/2010 on the Registration, Evaluation, Authorisation and Restriction of Chemicals (REACH)

SECTION 1: IDENTIFICATION OF THE SUBSTANCE/MIXTURE AND OF THE COMPANY

1.1. Product identifier:

Trade name of the product: Adera Optim - Universal plaster

1.2. Product use:

Relevant identified uses: The product is used to assemble plasterboard sheets or other elements made of plaster.

Uses advised against: Consumption is advised against. It is not recommended for casts for body parts, as the material can become very hot when hardening after being mixed with water, and cause severe burns.

1.3. Details of the supplier of the safety data sheet:

Company name:	ETEX BUILDING PERFORMANCE S.A.
Address:	Bucharest, 3rd district, Strada VULTURILOR, Nr. 98, Etaj 5-6, Romania
Work unit:	AGHIREȘU factory, str. Fabricii, nr. 281, 407010.
Phone/Fax:	Aghireșu-Fabrici, Cluj County, Romania +40 264 354 180/+40 264 357 018
E-mail of the person responsible for the SDS:	viorica.domsa@etexgroup.com

1.4. Emergency telephone number:

- Office for International Sanitary Regulation and Toxicological Information - Bucharest, phone; +40 21 318 3606 (08:00-15:00)
- Clinical Emergency Hospital, Bucharest, Calea Floreasca nr. 8, 1st district, Bucharest; Permanent phone no.: 021 5992300, ext. 291, e-mail: spital@urgentafloreasca.ro
- Clinical Emergency County Hospital, Târgu Mureș, Str. Prof. Dr. G. Marinescu nr. 50, Tg. Mureș, Mureș County, permanent phone no.: 212111, 211292, 217235, e-mail: secretariat@spitjudms.ro
- Unique emergency number: 112

SECTION 2: HAZARDS IDENTIFICATION

2.1. Classification of the substance or mixture:

Classification according to Regulation (EC) No 1272/2008 (CLP):

Hazard class	Hazard class code and hazard category	Hazard statements
Eye irritation	Eye Irrit. 2	H319 – Causes serious eye irritation.

2.2. Label elements:

- Label name: **ADERA OPTIM - UNIVERSAL PLASTER**

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- Signal word: **CAUTION**
- Hazard symbols:



GHS07

Hazard statements:

H319: Causes serious eye irritation.

Precautionary statements:

P102: Keep out of the reach of children.

P273: Avoid release to the environment.

P280: Wear protective gloves/protective clothing/eye protection/face protection.

P302+P352: IF ON SKIN: Wash with plenty of water and soap.

P305+P351+P338: IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses if present and easy to do. Continue rinsing.

P402: Store in a dry place.

P501: Dispose of contents/container in especially designated places used to store inert waste, in accordance with national regulations on waste management.

2.3. Other hazards:

The product does not fulfil the PBT (persistent, bioaccumulative and toxic substance) or the vPvB (very persistent and very bioaccumulative substance) criteria in accordance with Annex XIII of REACH (Regulation (CE) No 1907/2006).

SECTION 3: COMPOSITION/INFORMATION ON INGREDIENTS

3.1. Substances:

Chemical name of the substance: Calcium sulphate hemihydrate

REACH registration number: 01-2119444918-26-0128

Classification according to Regulation (EU) No 1272/2008-CLP: Eye Irrit. 2, H319

EINECS (EC) number: 231-900-3

CAS number: 7778-18-9

INDEX number: -

Concentration: min. 90%

Synonyms: Plaster

Impurities: The product does not contain impurities that may influence its classification.

3.2. Mixtures:

Not applicable.

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SECTION 4: FIRST AID MEASURES

4.1. Description of first aid measures

4.1.1. First aid instructions:

Following inhalation: Move the exposed individual to fresh air.

Following skin contact: Rinse with plenty of water for at least 15 minutes. Remove the contaminated clothing and shoes.

Following eye contact: Do not rub your eyes to avoid possible corneal damage. If you wear contact lenses, remove them, tilt your head towards the injured eye, open your eyelids as wide as possible and immediately flush the eye with plenty of clean water to remove all the particles. Contact a specialist physician immediately.

Following ingestion: Rinse your mouth with water.

4.1.2. Other immediate instructions

If inhaled, if the person is not breathing, give artificial respiration. In case of difficulty breathing, administer oxygen. Contact a specialist physician.

In case of skin contact, if there is discomfort, contact a specialist physician.

Wash clothing before reuse.

Clean footwear thoroughly before reuse.

Following ingestion, after rinsing mouth with water, drink large quantities of water; in case of discomfort, ask for medical assistance.

4.2. Most important symptoms and effects, both acute and delayed

No specific symptoms or effects were identified.

4.3. Indication of any immediate medical attention and special treatment needed

Not applicable.

SECTION 5: FIRE-FIGHTING MEASURES

5.1. Extinguishing media

The product does not burn. Use powder, foam or CO₂ extinguishers.

Unsuitable extinguishing media: not applicable.

5.2. Special hazards arising from the substance or mixture

Not applicable.

5.3. Advice for firefighters

Special protective equipment for fire-fighters: None

5.4. Other information

Plaster is not flammable and it inhibits the spread of flames.

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SECTION 6: ACCIDENTAL RELEASE MEASURES

6.1. Personal precautions, protective equipment and emergency procedures

Avoid generating dust. Ventilate the area where the dust was generated by spills or discharges. In areas where proper ventilation is not possible, the use of masks providing protection against dust (FFP2) and of protection goggles is recommended. Protective equipment contaminated with product will be cleaned by washing.

Attention! Significant slipping hazard, especially on wet spilled/discharged product.

6.1.1. For non-emergency personnel - advice on accidental spills and release of the substance or mixture

Avoid contact with skin and eyes and use respiratory protective equipment.

6.1.2. For emergency responders - advice on suitable fabric for personal protective clothing

No special equipment is required. Equipment specific to construction work is recommended.

6.2. Environmental precautions

If spread in dry state, it will be collected and reused. The water used for washing must not run off into drains or watercourses.

6.3. Methods and material for containment and cleaning up

6.3.1. Appropriate advice on how to contain a spill

The containment methods recommended for powdered solids must be used for containment.

6.3.2. Appropriate advice on how to clean up a spill

Vacuuming using industrial equipment with filters or sweeping with a wet broom is recommended to avoid dust dispersion.

Products collected during spill clean-up will be treated in accordance with current legislation.

6.3.3. Inappropriate containment or clean-up techniques

Never moisten the spilled material; never jet clean.

SECTION 7: HANDLING AND STORAGE

7.1. Precautions for safe handling.

Avoid generating dust.

7.1.1. Recommendations for safe handling

When handling, care should be taken to avoid accidental contact with water or other liquids.

Avoid stacking pallets. The product does not burn. No special fire protection measures are required. When handling manually/using mechanised means, avoid damaging the packaging and the dispersion of dust into the air. When using the product, avoid the dispersion of dust in the air. Prevent the spilled materials from reaching drains/sewers.

7.1.2. Advice on general occupational hygiene

Do not eat or drink during work. Hands should be washed thoroughly before lunch break and after finishing work.

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Remove contaminated clothing and protective equipment before entering eating areas.

Provide general and local ventilation systems to keep dust concentrations below the permissible limit.

7.2. Conditions for safe storage, including any incompatibilities

Store in the original packaging, in a damp-proof place, on wooden pallets. Storage in the same place as wet materials or materials in damaged packaging is prohibited.

7.3. Specific end use(s) (identified use(s))

The product is designed to be used as referred to in subsection 1.2. Not recommended for any other use. Adequate ventilation of the work areas must be ensured.

7.4. Packaging

The product is packed in paper bags, on wooden pallets wrapped in polyethylene film. The capacity of one bag is 10 kg.

SECTION 8: EXPOSURE CONTROLS/PERSONAL PROTECTION

8.1. Control parameters

Decision No 1218/2006, Annex 4 (list of limit values for powders), as subsequently amended and supplemented, on minimum occupational safety and health requirements for the protection of workers from the risks related to chemical agents, as amended and supplemented by GD No. 1/2012 and GD No. 359/2015.

National occupational exposure limit values by inhalation: 10 mg/m³; exposure time: 8 hours.

8.2. Exposure controls

8.2.1. Appropriate engineering controls

Risk management measures:

- Ensuring that workers and the public are adequately protected.
- Risk reduction. Measures to reduce dust generation and avoid the spread of dust into the environment, such as dust extraction, exhaust ventilation and dry cleaning methods that do not cause airborne dispersion.

8.2.2. Individual protection measures

Use of personal protective equipment:

Repair protection:

Use a dust mask if the product is used in poorly ventilated areas. Mask type: FFP2 safety mask.

Skin protection:

In the event of skin irritation, use safety gloves. Type of gloves: nitrile gloves.

Eye protection:

If there is a splashing risk, use safety goggles. Clear safety goggles.

8.2.3. Environmental exposure controls

The product is not deemed dangerous to the environment.

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SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES

9.1. Information on basic physical and chemical properties

Appearance	Powdery solid
Colour	White
Odour	Odourless
pH	Not applicable
Melting point	1450°C
Boiling point	Not applicable
Flash point	Not applicable
Flammability limit	Not applicable. The product is not flammable
Vapour pressure	Not applicable. The product does not produce vapours
Density	580-630 g/l
Auto-ignition temperature	Not applicable
Water solubility at 20°C	2.4 g/L

Data source: ECHA

9.2. Other information Not applicable.

SECTION 10: STABILITY AND REACTIVITY

10.1. Reactivity

Stable under normal conditions of use.

10.2. Chemical stability

Stable under normal conditions of temperature and pressure.

10.3. Possibility of hazardous reactions

None identified.

10.4. Conditions to avoid (temperature, pressure, brightness)

Not applicable.

10.5. Incompatible materials (water, acid, air, alkalis, other substances)

The contact of the packaged product with water during storage should be avoided.

10.6. Hazardous decomposition products

None identified.

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SECTION 11: TOXICOLOGICAL INFORMATION

11.1. Information on toxicological effects

Relevant hazard classes: Not applicable.

For substances subject to registration, summaries of the information derived from the application of tests shall be included: Not applicable.

Relevant effects regarding irritation: At high concentrations, dust inhalation may cause upper respiratory tract discomfort.

CMR effects: Not applicable.

Information for each hazard class: Not applicable. The product is not classified as dangerous.

LD50, LC50: No data available.

Results depending on the route of exposure: No data available.

Information in support of the classification criteria if classification criteria are not met: The chemical compound on which the product is based is not classified as dangerous.

Information on likely routes of exposure:

- **If in eyes:** May cause eye damage.
- **If inhaled:** May cause irritation of the upper respiratory tract.
- **If ingested:** Ingestion may lead to irritation of the upper digestive tract or, depending on the dose, to digestive discomfort and/or dysfunctions of the digestive system.
- **If on skin:** Mild irritation may occur.

Symptoms related to the physical, chemical and toxicological characteristics: No information available.

Delayed and immediate effects: No information available.

Interactions: Not applicable.

Absence of specific data: Not applicable.

Information on mixture versus substance: No information available.

Other information, toxicokinetics, metabolism and distribution: No information available.

SECTION 12: ECOLOGICAL INFORMATION

12.1. Toxicity

Short-term aquatic toxicity: The product is not toxic to the aquatic environment.

12.2. Persistence and degradability

No data available.

12.3. Bioaccumulative potential

The product is not bioaccumulative.

12.4. Mobility in soil

No data available.

12.5. Results of the PBT and vPvB assessment

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The product does not meet the classification criteria as PBT or vPvB.

12.6. Other adverse effects

None known.

SECTION 13: DISPOSAL CONSIDERATIONS

13.1. Waste treatment methods

Separate collection is recommended for product waste (fine powder) and packaging waste (paper bags, polyethylene film, wooden pallets, big-bags, covers and polyethylene film).

Product waste, as it is not an inert product, can be disposed of by storage into especially designed landfills.

Waste disposal will be performed according to the disposal classes for non-inert waste set out in 2003/33/EC.

Recycling and/or reuse of all categories of waste is encouraged. Uncontaminated packaging can be recycled.

Recycling shall be performed in facilities authorised for the waste codes mentioned in this Safety Data Sheet.

Avoid accidental or intentional releases of dry or wet product into the sewerage system. Physical/chemical properties that may affect waste treatment options: not applicable.

If uncontaminated, the product may be used without restrictions afterwards, in accordance with the Technical Data Sheet and this Safety Data Sheet.

13.2. Proper disposal of packaging materials

Packaging materials should be sent to a waste collection centre, under Law 249/2015 on the management of packaging and packaging waste and Law 211/2011 on waste management, as amended and supplemented.

The waste codes, according to EWC, are as follows:

Marking of the waste generating packaging	Waste name	Waste code	Recyclable [yes/no]
n/a	Plaster-based construction materials	17 08 02	YES
PAP 22	Paper and cardboard packaging	15 01 01	YES
PAP 20	Paper and cardboard packaging	15 01 01	YES
LDPE 4	Plastic packaging	15 01 02	YES
HDPE 2	Plastic packaging	15 01 02	YES
FOR 50	Wood packaging	15 01 03	YES

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SECTION 14: TRANSPORT INFORMATION

The product is not classified as dangerous from the point of view of the transport regulations.

14.1. ONU number: None.

14.2. UN proper shipping name: Not applicable.

14.3. Transport hazard classes:

- Road, per ADR: not applicable.
- Rail, per RID: not applicable.
- Air, per IATA-DGR: not applicable.
- Maritime, per IMDG: not applicable.

14.4. Packing group: Not applicable.

14.5. Environmental hazards: None.

14.6. Special precautions for user: None.

14.7. Transport in bulk according to Annex II to MARPOL 73/78 and the IBC Code: Not applicable.

SECTION 15: REGULATORY INFORMATION

15.1. Safety, health and environmental regulations/legislation specific for the substance or mixture

- Regulation (EC) No 1907/2006 of the European Parliament and of the Council of 18 December 2006 concerning the Registration, Evaluation, Authorisation and Restriction of Chemicals (REACH);
- Regulation (EC) No 1272/2008 of the European Parliament and of the Council of 18 December 2006 on classification, labelling and packaging of substances and mixtures, amending and repealing Directives 67/548/EEC and 1999/45/EC, and amending Regulation (EC) No 1907/2006, as amended by Regulation (EC) No 790/2009;
- Regulation (EC) No 453/2010 and Regulation (EC) No 830/2015 amending Regulation (EC) No 1907/2006 of the European Parliament and of the Council on the Registration, Evaluation, Authorisation and Restriction of Chemicals (REACH);
- Regulation (EC) No 1336/2008 of the European Parliament and of the Council of 16 December 2008 amending Regulation (EC) No 648/2004 in order to adapt it to Regulation (EC) No 1272/2008 on the classification, labelling and packaging of substances and mixtures;
- Directive 2006/12/EC on waste.
- GD No 1218 of 06 September 2006 establishing minimum occupational safety and health requirements for the protection of workers from the risks related to chemical agents, as amended and supplemented by GD No 1 of 04 January 2012 and GD No 359/2015;
- Order No. 163 of 28/02/2007 on the approval of the General Regulations on fire protection.

15.2. Chemical safety assessment

Not applicable.

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SECTION 16: OTHER INFORMATION

16.1. Updates of the Safety Data Sheet:

Chapters 1-16 have been updated compared to the 8th edition, issued in October 2018.

16.2. Full text of the hazard statements and precautionary statements presented in Section 2:

H319: Causes serious eye irritation.

P102: Keep out of the reach of children.

P273: Avoid release to the environment.

P280: Wear protective gloves/protective clothing/eye protection/face protection.

P302+P352: IF ON SKIN: Wash with plenty of water and soap.

P305+P351+P338: IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses if present and easy to do. Continue rinsing.

P402: Store in a dry place.

P501: Dispose of contents/container in especially designated places used to store inert waste, in accordance with national regulations on waste management.

16.3. List of abbreviations

LD50: Median lethal dose to 50% of a test population;

LC50: Lethal concentration to 50% of a test population;

PBT: Persistent, bioaccumulative and toxic;

vPvB: Very persistent, very bioaccumulative;

ADR: European Agreement on Road Transport of Dangerous Goods;

RID: Regulations concerning the International Carriage of Dangerous Goods by Rail;

IMDG: International Maritime Dangerous Goods Code;

ICAO/IATA: International Air Transport Association/International Civil Aviation Organisation.

16.4. Additional information

The information contained herein originates in literature references and the manufacturer's experience. They characterise the product with respect to the compliance with safety requirements, without guaranteeing its particular properties.

It is the responsibility of the customer (carrier, distributor, end user) to ensure that all the precautionary measures are taken so that the product is used in a safe way.