



# Halftime 4Bonding Plaster Accelerator

## Safety Data Sheet

Date of issue: 04/01/2021

Revision date:

Version:1.1

### 1. Identification of the substance/preparation and company

#### 1.1 Product Identifier

Trade names: Halftime 4Bonding Plaster Accelerator  
CAS Number: 10043-01-3\*  
EINECS Number: 233-135-0\*  
Tariff Number: 283322000\*  
REACH Registration number: 01-2119531538-36-xxxx\*

\* Active Ingredient

\*\* Other ingredients, which are maintained as trade secrets, are any substances other than an active ingredient contained in this product. All ingredients not identified are considered not hazardous to health.

#### 1.2 Relevant identified uses of the substance or mixture and uses advised against

Identified use(s)  
Coagulant for water treatment and sludge dewatering  
Uses advised against  
None known.

#### 1.3 Details of the supplier of the safety data sheet

Eazymix Ltd.  
2 Selous Road  
Blackburn – United Kingdom  
Email: [mark@eazymix.co.uk](mailto:mark@eazymix.co.uk)

Emergency Telephone Number

In case of emergencies call +44(0)844 335 0001 (24 Hours)

### 2. Hazards Identification

#### 2.1 Classification of the substance or mixture

The substance has been assessed and/or tested for its physical, health and environmental hazards and the following classification applies:

- 2.1.1 Regulation (EC) 1272/2008 (CLP)  
Serious eye damage/eye irritation Category 1 H318: Causes serious eye damage.
- 2.1.2 EEC Directive 67/548/EEC & Directive 1999/45/EC  
Xi: R41

## Hazard Summary

Physical hazards: Not classified for physical hazards

Health hazards: Risk of serious damage to eyes. Occupational exposure to the substance or mixture may cause adverse health effects.

Environmental hazards: Not classified for hazards to the environment

Specific hazards: For additional information on inhalation hazards, see Section 11 of this safety data sheet.

Main symptoms: Not available

## 2.2 Label Elements

2.2.1 According to Regulation (EC) No. 1272/2008 (CLP).

Contains: Aluminium Sulphate

Hazard pictogram



Signal word(s)      Danger

Hazard statement(s)

H318 Causes serious eye damage

Precautionary statement(s)

P280 Wear eye/face protection

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

Storage: Not assigned.

Disposal: Not assigned.

Supplemental label information: Not applicable.

Other hazards: Not assigned.

## 3. Composition/Information on ingredients

### Substances

Product/Ingredient name (REACH/CLP)	Identifiers	Classification According to Directive 67/548/EEC	Classification According to Directive 67/548/EEC
Aluminium Sulphate 17% as Al <sub>2</sub> O <sub>3</sub>	REACH#: 01-2119531538-36-xxxx EC No: 233-135-0 CAS No: 10043-01-3	Xi: R41	Eye Dam. H318

This substance has workplace exposure limit(s). PBT: persistent, bioaccumulative and toxic substance. vPvB: very persistent and very bioaccumulative substance.

For the full text of the R phrases mentioned in this Section, See section 16. The full text for all R- and H-phrases is displayed in section 16.

## 4. First Aid Measures

#### 4.1 Description of first aid measures

##### General information

Ensure that medical personnel are aware of the material(s) involved, and take precautions to protect themselves. No hazards which require special first aid measures.

##### Inhalation

If dust from the material is inhaled, remove the affected person immediately to fresh air. Get medical attention, if needed.

##### Skin Contact

Immediately flush skin with plenty of water. Get medical attention if irritation develops or persists.

##### Eye Contact

Immediately flush eyes with plenty of water for at least 15 minutes. Continue rinsing. Call a physician or Poison Control Centre immediately.

##### Ingestion

If ingestion of a large amount does occur, seek medical attention. Rinse mouth with water.

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

No available.

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

In case of shortness of breath, give oxygen. Keep victim warm. Keep victim under observation. Symptoms may be delayed.

### 5. Fire Fighting Measures

#### General fire hazards

Non-combustible, substance itself does not burn.

#### 5.1 Extinguishing Media

Suitable extinguishing media: Use fire-extinguishing media appropriate for surrounding materials.

Unsuitable extinguishing media: None known.

#### 5.2 Special Hazards arising from the substance or mixture

The product itself does not burn. No unusual fire or explosion hazards noted. In the event of fire Sulphur oxides may be formed.

#### 5.3 Advice for fire-fighters

Special protective equipment for fire fighters: Wear self-contained breathing apparatus and protective clothing.

Special fire-fighting procedures: No unusual fire or explosion hazards noted.

### 6. Accidental Release Measures

#### 6.1 Personal precautions, protective equipment and emergency procedures

For non-emergency personnel: Keep unnecessary personnel away. Local authorities should be advised if significant spillages cannot be contained. Stay upwind. Avoid inhalation of dust from the spilled material. Wear a dust mask if dust is generated above exposure limits.

For emergency responders: Not available

## 6.2 Environmental precautions

No special environmental precautions required.

## 6.3 Methods and material for containment and cleaning up

Should not be released into the environment. Prevent entry into waterways, sewers, basements or confined areas. If sweeping of a contaminated area is necessary use a dust suppressant agent which does not react with the product. Sweep up or vacuum up spillage and collect in suitable container for disposal. Collect dust using a vacuum cleaner equipped with HEPA filter. Avoid the generation of dusts during the clean-up. After removal flush contaminated area thoroughly with water. This material and its container must be disposed of as hazardous waste. For waste disposal, see section 13.

## 6.4 Reference to other sections

Not available.

## 7. Handling and Storage

### 7.1 Precautions for safe handling

Avoid dust formation. Keep formation of airborne dusts to a minimum. Provide appropriate exhaust ventilation at places where dust is formed. Do not breathe dust from this material. In case of insufficient ventilation, wear suitable respiratory equipment. Do not get this material in contact with eyes. Avoid contact with skin and eyes. Avoid prolonged exposure. Wash thoroughly after handling. Practice good housekeeping.

### 7.2 Conditions for safe storage, including any incompatibilities

Guard against dust accumulation of this material. Store in a well-ventilated place. Keep container tightly closed. Keep out of reach of children.

### 7.3 Specific end use(s)

The specific uses of this material are shown in section 1 of this document.

## 8. Exposure controls/personal protection

### 8.1 Control parameters

Occupational exposure limits

Material	Type	Value	Form
Aluminium Sulphate 17% (solid) United Kingdom	TWA	2 mg/m <sup>3</sup>	Soluble aluminium salts

Components	CAS No.	Type	Value	Form
Aluminium Sulphate	10043-01-3	TWA	2 mg/m <sup>3</sup>	Soluble aluminium

Biological limit values: No biological exposure limits noted for the ingredient(s)

Recommended monitoring procedures: Not available

#### DNEL

Components	Type	Route	Value	Form
Aluminium	Consumer	Oral	0.3 mg/kg bw/day	As Al
Sulphate		Oral	3.7 mg/kg bw/day	As substance
10043-01-3	Industry	Oral	5.7 mg/kg bw/day	As substance
		Oral	0.5mg/kg bw/day	As Al

PNEC: Not available

#### 8.2 Exposure Controls

Appropriate engineering controls

Ventilation should be sufficient to effectively remove and prevent build up of any dusts or fumes that may be generated during handling or thermal processing. If these are not sufficient to maintain concentrations of particulates and solvent vapour below the OEL, suitable respiratory protection must be worn.

Individual protection measures, such as personal protective equipment

General information: Use personal protective equipment as required. Eye wash fountain is recommended. Keep working clothes separately.

Eye/face protection: Wear eye/face protection

Skin protection

Hand protection: PVC or other plastic material gloves

Other: Normal work clothing (long sleeved shirts and long pants) is recommended

Respiratory protection: Wear a dust mask if dust generated is above exposure limits.

Thermal hazards: Not available.

Hygiene measures: Do not breath dust. Do not get in eyes. Handle in accordance with good industrial hygiene and safety practices.

Environmental exposure controls: Not available

#### 9. Physical and chemical properties

##### 9.1 Information on basic physical and chemical properties

Appearance	Solid
Physical state	Solid
Form	Powder or granules
Colour	White
Odour	Not significant
pH	Not available
Melting point/freezing point	120-140°C (248-284°F)
Boiling point, initial	770°C (1.418°F) Decomposes
Flash point	Not applicable

Auto ignition temperature	Not applicable
Flammability (solid, gas)	Not applicable
Flammability limit-lower%	Not applicable
Flammability limit-upper%	Not applicable
Oxidising properties	Not applicable
Explosive properties	Not applicable
Vapour pressure	Not applicable
Vapour density	Not applicable
Evaporation rate	Not applicable
Relative density	Not applicable
Density	1.61 g/cm <sup>3</sup>
Solubility	Soluble
Partition coefficient(n-octanol /water	Not applicable
Decomposition temperature	Not applicable
Viscosity	Not applicable - solid
VOC (weight %)	0% estimated
Percent volatile	0% estimated
Other data	
Specific gravity	1.609960996 estimated 1.61

## 9.2 Other information

No relevant additional information available.

## 10. Stability and Reactivity

### 10.1 Reactivity

None known

### 10.2 Chemical stability

Stable at normal conditions

### 10.3 Possibility of hazardous reactions

Hazardous polymerisation does not occur

### 10.4 Conditions to avoid

Avoid spread of dust. None known.

### 10.5 Incompatible materials

Not available

### 10.6 Hazardous decomposition products

### 10.7 Sulphur oxides

## 11. Toxicological Information

### 11.1 Information on toxicological effects

Components:

General information: Not available

Information on likely routes of exposure

Ingestion: Not applicable

Inhalation: Inhalation of dusts may cause respiratory irritation

Skin contact: Not applicable

Eye contact: Causes serious eye damage

Symptoms: Not available

Acute toxicity: Not classified

Product	Test results
Aluminium Sulphate 17% (solid)	Acute Dermal LD50 Rat: 2000mg/kg estimated Acute Oral LD50 Rat: 2000mg/kg estimated

Components	Test results
Aluminium Sulphate (10043-01-3)	Acute Dermal LD50 Rat : >=5000mg/kg Acute Dermal LD50 Rat: >=2000mg/kg Acute Oral LD50 Rat: >5000mg/kg Acute Oral LD50 Rat: >2000mg/kg

\*estimates for product may be based on additional component data not shown

Skin corrosion/irritation: Not classified

Serious eye damage/eye irritation: causes serious eye damage. Dust in the eyes will cause irritation.

Respiratory sensitisation: Not classified

Skin sensitisation: Not classified

Germ cell mutagenicity: Not classified

Carcinogenicity: Not classified

Reproductive toxicity: Not classified

Specific target organ toxicity – single exposure: Not classified

Specific target organ toxicity – repeated exposure: Not classified

Aspiration hazard: not classified

Mixture versus substance information: None known.

Other information: None known.

## 12. Ecological Information

### 12.1 Toxicity

Components	Test results
Aluminium Sulphate (1004-3-01-3)	LC50 Danio (Danio) : > 1000mg/l 96 hours NOEC Danio (Danio): > 1000mg/l 96 hours EC50 Daphnia: > 160mg/l 48 hours immobilization NOEC Daphnia :> 160mg/l 48 hours

\*Estimates for product may be based on additional component data not shown

### 12.2 Persistence and fdegradability

Components:

The product solely consists of inorganic compounds which are not biodegradable.

### 12.3 Bio accumulative potential: Not assigned

Mobility: Not assigned

Environmental fate – partition coefficient: Not applicable

### 12.4 Mobility in soil : Not assigned

### 12.5 Results of PBT and vPvB assessment: Not assigned

### 12.6 Other adverse effects: None known

### 13. Disposal Considerations

#### 13.1 Waste treatment methods

Residual waste: Dispose of in accordance with local regulations

Contaminated packaging: Empty containers should be taken to an approved waste handling site for recycling or disposal.

EU waste code: The waste code should be assigned in discussion between the user, the producer and the waste disposal company.

Disposal methods/information: Collect and reclaim or dispose in sealed containers at licensed waste disposal site. Do not dispose of waste into sewer. Dispose of contents/container in accordance with local/regional/national/international/regulations.

### 14. Transport Information

ADR/IATA/IMDG

This product is not classified as dangerous goods

Transport in bulk according to Annex II of MARPOL 73/78 and the IBC code.

No information available.

### 15. Regulatory Information

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

##### EU Regulations

Regulation (EC) No. 2037/2000 on substances that deplete the ozone layer, Annex I and Annex II: Not listed

Regulation (EC) No. 850/2004 on persistent organic pollutants, Annex I : Not listed

Regulation (EC) No. 689/2008 concerning the export and import of dangerous chemicals, Annex I parts 1,2 and 3: not listed

Regulation (EC) No. 689/2008 concerning the export and import of dangerous chemicals, Annex V: not listed

Directive 96/61/EC concerning integrated pollution prevention and control (IPPC): Article 15, European Pollution Emission Registry (EPER): Not listed

Regulation (EC) No. 1907/2006, Article 59 (1), Candidate list: not listed

Other regulations: This Safety Data Sheet complies with the requirements of Regulation (EC) No 1907/2006.

National regulations: Not available

Chemicals safety assessment: A chemical safety assessment has been carried out as part of the REACH registration dossier.

##### Inventory status

Country(s) or region	Inventory name	On inventory (yes/no)*
Australia	Australian Inventory of Chemical Substances (AICS)	Yes
Canada	Domestic Substances List (DSL)	Yes
Canada	Non-Domestic Substances List (NDSL)	No
China	Inventory of Existing Chemical Substances in China (IECSC)	Yes
Europe	European Inventory of New and Existing Chemicals (EINECS)	Yes
Europe	European List of Notified Chemical Substances (ELINCS)	No
Japan	Inventory of Existing and New Chemical Substances (ENCS)	Yes
Korea	Existing Chemicals List (ECL)	Yes
New Zealand	New Zealand Inventory	Yes



Philippines Philippine Inventory of Chemicals and Chemical Substances (PICCS) Yes  
United States and Puerto Rico Toxic Substances Control Act (TSCA) Inventory Yes  
A "YES" indicated that all components of this product comply with the inventory requirements administered by the governing country(s).

#### 16. Other Information

List of abbreviations

References: Not available

Information on evaluation method leading to the classification of mixture: Not available

Full text of R Phrases referred to under section 2 to 15

R41 Risk of serious damage to eyes

Full text of H-Statements referred to under sections 2 to 15

H318 Causes serious eye damage

Source of key data used to compile the data sheet

Supplier information

Modifications from last revision

The Safety Data Sheets have been revised throughout to confirm to EC Regulation 1907/2006 and amendments

Date: 04/01/21