

# Safety Data Sheet

according to Regulation (EC) No. 1907/2006 (REACH)



Revision date 24.10.2019

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Version 2

## SECTION 1: Identification of the substance/mixture and of the company/undertaking

### 1.1 Product identifier

1.2 Relevant identified uses of the substance or mixture and uses advised against TK.201773

Generic name ALUMINIUM HYDROXIDE

REACH No.

CAS No. 21645-51-2

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

Relevant identified uses Industrial uses. Scientific research and development.

Use of the substance / mixture

Uses advised against

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

Name TEKK M K MYA SAN. T C. LTD. T

Street ORGAN ZE SAN. BÖL. MAV CAD. 8. SOK. NO : N LÜFER / BURSA

Telephone 0224 243 21 71

E-mail tekkim@tekkim.com.tr

Company Representative Gökhan ÖZKAN

**Emergency Telephone Number 0553 209 14 16 - 0553 209 14 18**

## SECTION 2: Hazards identification

### Classification of the substance or mixture

**Classification according to Regulation (EC) No. 1272/2008 [CLP]**

Full text of R-, H- and EUH-phrases: see section 16.

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## 2.2 Label elements

### Labelling according to Regulation (EC) No. 1272/2008 [CLP]

*Hazard pictograms*

*Signal word*

*Hazard Statements*

*Precautionary Statements*

Prevention

Response

Storage

## 2.3 Other hazards

## SECTION 3: Composition/information on ingredients

### Substances

Formula

Al(OH)<sub>3</sub>

EC No.

244-492-7

Molar mass

78,00 g/mol

Characteristic

CAS No

EC No

Concentration

Classification

Aluminium  
Hydroxide

21645-51-2

244-492-7

>=90 %

Full text of R-, H- and EUH-phrases: see section 16.

## SECTION 4: First aid measures

### Description of first aid measures

General information

In case of accident or unwellness, seek medical advice immediately (show directions for use or safety data sheet if possible)..

Following inhalation

Remove casualty to fresh air and keep warm and at rest..

Following skin contact

Subsequently wash off with:.

Following eye contact

In case of contact with eyes, rinse immediately thoroughly with plenty of edible oil and consult an ophthalmologist..

Following ingestion

Please give up to two glasses of water. Get immediate medical attention..

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

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

No information available..

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## SECTION 5: Firefighting measures

### 5.1 Extinguishing media

*Suitable extinguishing media*

Use extinguishing measures appropriate to the environment..

*Unsuitable extinguishing media*

Water spray jet.

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

not flammable.. Ambient fire may liberate hazardous vapors..

### 5.3 Advice for firefighters

*Special protective equipment for firefighters*

### 5.4 Additional information

Collect contaminated fire extinguishing water separately. Do not allow entering drains or surface water..

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## SECTION 6: Accidental release measures

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

Advice for non-emergency personnel: Don't breathe dust.Avoid substance contact. Keep away from head and source of ignition. Ensure adequate ventilation. Evacuate the danger area, observe emergency procedures,consult an expert..

### 6.2 Environmental precautions

There is no need to take special precautions..

### 6.3 Methods and material for containment and cleaning up

Take up carefully when dry.. Avoid generation of dust.. Clear contaminated areas thoroughly..

### 6.4 Reference to other sections

Disposal: see section 13.

### 6.5 Additional information

Clear spills immediately..

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## SECTION 7: Handling and Storage

### 7.1 Precautions for safe handling

*Advices on safe handling*

Observe label precautions.

*Measures to prevent fire*

*Advices on general occupational hygiene*

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

*Technical measures and storage conditions*

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## 7.3 Specific end uses

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## SECTION 8: Exposure controls / personal protection

### 8.1 Control parameters

No information

### 8.2 Exposure controls

#### Appropriate engineering controls

Fresh air (open windows and doors) is necessary..

#### Personal protection equipment

##### Eye/face protection

Safety glasses

##### Hand protection

Full contact

Glove material : Nitrile rubber

Glove thickness : 0,11 mm

Break through time : >480 minute

Splash contact :

Glove material : Nitrile rubber

Glove thickness : 0,11 mm

Break through time : >480 minute

The protective gloves to be used must comply with the specifications of directive 89/686/EEC and the related standart EN374

##### Other skin protection

Protective chlothing

##### Respiratory protection

Required when dusts are generated

Recommended filter type : P1 filter

#### Environmental exposure controls

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## SECTION 9: Physical and chemical Properties

### Information on basic physical and chemical properties

Physical state	Solid
Colour	white
Odour	odourless
Odour threshold	Not applicable
pH value	8-9 100 g/l 20 °C
Melting point/freezing point	300
Freezing point	No information
Initial boiling point and boiling range	No information
Flash point	No information

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Evaporation rate	No information
Flammability (solid, gas)	Not flammable °C
Upper/lower flammability or explosive limits	Not applicable
Upper/lower flammability or explosive limits	Not applicable
Vapour pressure	No information
Vapour density	No information
Density	2,42 g/cm <sup>3</sup>
Relative density	No information
Water solubility (g/l)	0,0015 g/l 20 C °C
Fat solubility (g/l)	No information °C
Partition coefficient: n-octanol/water	No information
Auto-ignition temperature	No information
Decomposition temperature	150-220 C

## Viscosity

Kinematic viscosity	No information
Dynamic viscosity	No information
Explosive properties	not classified as explosive
Oxidising properties	No information

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## SECTION 10: Stability and Reactivity

### 10.1 Reactivity

Section 10.3 to see.

### 10.2 Chemical stability

Releases water of crystallization when heated.

### 10.3 Possibility of hazardous reactions

with exothermic reaction risk ; strong acids..... etc

### 10.4 Conditions to avoid

Not information.

### 10.5 Incompatible materials

Not information..

### 10.6 Hazardous decomposition products

No known hazardous decomposition products..

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## SECTION 11: Toxicological information

### 11.1 Information on toxicological effects

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Acute oral toxicity  
rat : > 5000 mg/kg

Skin irritation  
no irritation

Eye irritation  
no irritation

## 11.2 Additional information

Handle in accordance with good industrial hygiene and safety practice

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## SECTION 12: Ecological information

### 12.1 Toxicity

No information

### 12.2 Persistence and degradability

No information

### 12.3 Bioaccumulative potential

No information

### 12.4 Mobility in soil

No information

### 12.5 Results of PBT and vPvB assessment

Substance does not meet the criteria for PBT or vPvB

### 12.6 Other adverse effects

Discharge into environment must be avoided

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## SECTION 13: Disposal considerations

*Waste treatment methods*

It must be disposed of in accordance with national and local regulations. Do not mix with other products. It was to proceed as their products uncleaned packaging.

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## SECTION 14: Transport information

**Land transport (ADR/RID)**

**UN number** Not dangerous good

**UN proper shipping name**

**Transport hazard class(es)**

**Packing group**

**Environmental hazards**

**Special precautions for**

**Tunnel restriction code**

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## Inland waterway transport (ADN)

Limited quantity (LQ)

Special Provisions

Category

## Air transport (ICAO-TI / IATA-DGR)

UN number

Not dangerous good

UN proper shipping name

Transport hazard class(es)

Packing group

Environmental hazards

Special precautions for

## Sea transport (IMDG)

UN number

Not dangerous good

UN proper shipping name

Transport hazard class(es)

Packing group

Environmental hazards

Special precautions for

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## SECTION 15: Regulatory information

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

Storage class : 10-13

Chemical Safety Assessment

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## SECTION 16: Other information

Relevant R-, H- and EUH-phrases (Number and full text)

Prepared the Document

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