Safety Data Sheet according to Regulation (EC) No. 1907/2006 (RFACH)



Revision Date: 23.11.2022 Version 2

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

1.1 Product identifier

Catalog No. TK.930112.00000

Product Name Aluminium Nitrate Nonahydrate

Cas no 7784-27-2

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

1.2.1. Relevant identified uses

Industrial use. Use as a laboratory reagent.

1.2.2. Uses advised against No information available.

1.3. Details of the supplier of the safety data sheet

Name TEKKİM KİMYA SAN. TİC. LTD. ŞTİ.

Street ORGANİZE SAN. BÖL. MAVİ CAD. 8, SOK. NO :1 NİLÜFER / BURSA

Telephone 0224 243 21 71

E-mail erhan@tekkim.com.tr

Company Representative Erhan DİLER

1.4 Emergency Telephone Number +90 506 990 36 86

**SECTION 2: Hazards identification** 

2.1 Classification of the substance or mixture

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

Serious eye damage, Category 1

For the full text of the H and EUH statements referred to in this section, see section 16.

2.2 Label elements

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

Hazard pictograms



Signal word (SEA)

**DANGER** 

Hazard Statements (SEA)

H318 Causes serious eye damage.

Precautionary Statements (SEA)

Prevention

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

Intervention

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

## **SECTION 3: Composition/information on ingredients**

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

3.1 Maddeler

 EC No
 236-751-8

 Molar mass
 375.13 g/mol

 Cas No
 7784-27-2







Tekkim is accredited to ISO 9001:2015 and ISO 14001:2015

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Concentration (<= 100 %)

**SECTION 4: First aid measures** 

4.1 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 Provide fresh air..

Following skin contact Wash with plenty of water. Take off contaminated clothing.

Following eye contact In case of contact with eyes, rinse immediately with plenty of water and

consult an ophthalmologist.

Following ingestion Give up to two glasses of water. Get medical help immediately.

4.2 Most important symptoms and effects, both acute and delayed

The most important known symptoms and effects are described in the labelling

4.3 Indication of any immediate medical attention and special treatment needed

No information available.

**SECTION 5: Firefighting measures** 

5.1 Extinguishing media

Suitable extinguishing media

Use extinguishing measures appropriate to the environment.

Unsuitable extinguishing media

There is no restriction for this item.

5.2 Special hazards arising from the substance or mixture

Nitrogen oxides (NOx). Alumina. It is not flammable. Fire may cause evolution of: nitrogenous gases, nitrogen oxides. All-round fire can release dangerous vapours.

5.3 Advice for firefighters

Special protective equipment for firefighters

In case of fire: Wear self-contained breathing apparatus...

5.4 Additional information

Stop and contain spill/release if it can be done safely. If this cannot be done, allow fire to burn under control.

**SECTION 6: Accidental release measures** 

6.1 Personal precautions, protective equipment and emergency procedures

Advice for non-emergency personnel: Don't breathe vapours, aerosols. 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

Do not allow to enter into surface water or drains.

6.3 Methods and material for containment and cleaning up

Close drainage channels. Take up with liquid-absorbent material. Clean the affected area. Avoid generation of dust...

6.4 Reference to other sections

Disposal: see section 13.

6.5 Additional information

Clear spills immediately.

**SECTION 7: Handling and Storage** 

7.1 Precautions for safe handling

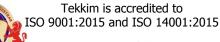
Advices on safe handling

Observe label precautions.

Advices on general occupational hygiene







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Change contaminated clothing. Wash hands after working with substance.

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

Storage conditions

Keep container tightly closed in dry and well-ventilated places. Do not store near flammable materials.

## 7.3 Specific end uses

There are no other specific uses other than those mentioned in section 1.2.

## **SECTION 8: Exposure controls / personal protection**

#### 8.1 Control parameters

Contains no subtances with occupational exposure limit values.

## 8.2 Exposure controls

#### Appropriate engineering controls

More attention should be paid to technical measures against the use of personal protective equipment.

## Personal protection equipment

Eye/face protection

Fully fitting safety glasses

Hand protection

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 occur.

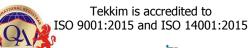
Recommended Filter type: P2 type filter

#### **SECTION 9: Physical and chemical Properties**

9.1 Information on basic physical and chemical properties







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Physical state Solid Colour Colorless Odour Characteristic Odour threshold No information.

pH value 2,5 - 3,5 50 g/l 25 °C 73 °C

Melting point/freezing point

Freezing point No information.

135 °C Initial boiling point and boiling range

Flash point It doesn't shine. Evaporation rate No information. Flammability (solid, gas) No information. Upper/lower flammability or explosive limits Not applicable.

Upper/lower flammability or explosive limits Not applicable. No information. Vapour pressure Vapour density No information.

Density 1,72 g/cm3 20 °C Relative density No information. Water solubility (g/l) 41,9 g/l 20 °C No information. Fat solubility (g/l)

Partition coefficient: n-octanol/water No information. Auto-ignition temperature No information.

Decomposition temperature No information.

Viscosity

Kinematic viscosity No information. Dynamic viscosity No information.

Explosive properties Not classified as explosive.

Oxidising properties The substance or mixture is not classified as an

oxidizer.

## **SECTION 10: Stability and Reactivity**

## 10.1 Reactivity

Section 10.3 to see.

## 10.2 Chemical stability

The product is stable under storage at normal ambient temperatures.

#### 10.3 Possibility of hazardous reactions

Risk of explosion with reducing compounds, cyanides, esters, strong acids, isocyanates, powdered metals, sulfur.

## 10.4 Conditions to avoid

No information available.

#### 10.5 Incompatible materials

Various metals, mild steel.

#### 10.6 Hazardous decomposition products

No known hazardous decomposition products.

## **SECTION 11: Toxicological information**

#### 11.1 Information on toxicological effects







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Acute oral toxicity LD50 Oral - Rat - male and female - 3.263 mg/kg (OECD Test Guideline 401)

Acute dermal toxicity LD50 Dermal - Rabbit - male and female - > 5,000 mg/kg (OECD Test Guideline 402)

Serious eye damage/eye irritation Eyes - Rabbit Causes serious eye damage. (OECD Test Guideline 405)

## 11.2 Additional information

Handle in accordance with good industrial hygiene and safety practice

## **SECTION 12: Ecological information**

#### 12.1 Toxicity

Toxicity to fish

semi-static test LC50 - Danio rerio (zebrafish) - > 0.105 mg/l - 96 h

(OECD Test Guideline 203)

## 12.2 Persistence and degradability

Methods for measuring biological degradation cannot be applied to inorganic substances.

## 12.3 Bioaccumulative potential

No information available.

#### 12.4 Mobility in soil

No information available.

#### 12.5 Results of PBT and vPvB assessment

Substance does not meet the criteria for PBT or vPvB.

#### 12.6 Other adverse effects

It is dangerous for drinking water supplies.

Discharge into the environment should be prevented.

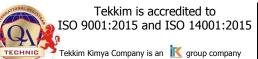
## **SECTION 13: Disposal considerations**

#### Waste treatment methods

It must be disposed of in accordance with national and local regulations. Do not mix with other products. Uncleaned Treat packages as if it were the product itself ... Waste materials must be disposed of in accordance with national and local regulations.

SECTION 14: Transport information					
ADR	IMDG	IATA	ADN	RID	
14.1 UN number					
UN 1438	UN 1438	UN 1438	UN 1438	UN 1438	
14.2 UN proper shipping name					
ALUMINIUM NITRATE	ALUMINIUM NITRATE	ALUMINIUM NITRATE	ALUMINIUM NITRATE	ALUMINIUM NITRATE	
14.3 Transport haz	ard class(es)				
5.1	5.1	5.1	5.1	5.1	





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14.4 Packing group

III III III III III

14.5 Environmental hazards

NO NO NO NO NO

No information available. No information available. No information available. No information available. No information available.

#### 14.6 Special Precautions for User:

No information available.

## **SECTION 15: Regulatory information**

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

This product safety data sheet complies with the requirements of EU Regulation 1907/2006.

15.2 Chemical Safety Assessment

A Chemical Safety Assessment has not been conducted for this substance.

#### **SECTION 16: Other informations**

Full text of H statements

H318 Causes serious eye damage.

Person Who Prepared the Safety Data Sheet:

Name: Erhan DİLER

Certificate Number and Date: 11.29.03 & 11 Şubat 2020

Communication information: 05069903686





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