

# Safety Data Sheet

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



Revision date 24.10.2019

Print date 24.10.2019

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.201793

Generic name ADIPIC ACID

REACH No.

CAS No. 124-04-9

### 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 TEKKİM KİMYA SAN. T.C. LTD. T

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

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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]**

Eye Irrit. 2

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*

Warning

*Hazard Statements*

H319 Causes serious eye irritation.

*Precautionary Statements*

Prevention

Response

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

Storage

## 2.3 Other hazards

## SECTION 3: Composition/information on ingredients

### Substances

Formula C<sub>6</sub>H<sub>10</sub>O<sub>4</sub>

EC No. 204-673-3

Molar mass 146,14 g/mol

<u>Characteristic</u>	<u>CAS No</u>	<u>EC No</u>	<u>Concentration</u>	<u>Classification</u>
Adipic Acid	124-04-9	204-673-3	>=99,5	

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 Provide fresh air..

Following skin contact Subsequently wash off with..

Following eye contact Rinse immediately carefully and thoroughly with eye-bath or water..

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

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

Impaired consciousness. .

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

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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

Flammable. Heavy vapors in the air at the ground surface may occur.. It can create explosive mixtures with air on intense heating. In case of fire hazardous combustion gases or vapors may occur..

### 5.3 Advice for firefighters

*Special protective equipment for firefighters*

Do not stay in dangerous zone without self-contained breathing apparatus. Keep a safe distance to cut off contact with skin and wear suitable protective clothing.

### 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

Use personal protection equipment..

### 6.2 Environmental precautions

Do not allow to enter into surface water or drains..

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

Take up carefully when dry.. Avoid generation of dust.. Ventilate affected area..

### 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

## 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

## 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	No information 0 g/l
Melting point/freezing point	151-154
Freezing point	No information
Initial boiling point and boiling range	No information
Flash point	196

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Evaporation rate	No information
Flammability (solid, gas)	No information °C
Upper/lower flammability or explosive limits	No information
Upper/lower flammability or explosive limits	No information
Vapour pressure	No information
Vapour density	No information
Density	1360 g/cm <sup>3</sup>
Relative density	No information
Water solubility (g/l)	15 g/l °C
Fat solubility (g/l)	No information °C
Partition coefficient: n-octanol/water	LogPow : 0,081 Bioaccumulation is not expected
Auto-ignition temperature	405 C
Decomposition temperature	338 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

There is a risk of dust explosion..

### 10.2 Chemical stability

The product is chemically stable under recommended conditions of storage, use and temperature..

### 10.3 Possibility of hazardous reactions

Violent reaction risk with ; Bases, strong oxidizing substances ,reducing compounds.... etc

### 10.4 Conditions to avoid

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### 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  
LD50 rat : 5700 mg/kg

Acute dermal toxicity  
No information

Skin irritation  
Rabbit :  
no irritation

Eye irritation  
rabbit  
Severe eye 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

Self readily biodegradable

### 12.3 Bioaccumulative potential

Partition coefficient (n-octanol/water)  
logPOW: -0,081  
Bioaccumulation is not expected

### 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)

H319 Causes serious eye irritation.

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

Prepared the Document

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