

# Safety Data Sheet

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

Revision Date: 17.10.2022 Version 2

# TEKKİM

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

### 1.1 Product identifier

Catalog No. TK.930070.00000  
Product Name Ammonium Dichromate  
Cas no 7789-09-5

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

#### 1.2.1. Relevant identified uses

Scientific research and development. 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)

Oxidizing solids, Category 2  
Acute toxicity, Oral, Category 3  
Acute toxicity, By inhalation, Category 2  
Acute toxicity, Dermal, Category 4  
Skin Corrosion, Subcategory 1B  
Serious eye damage, Category 1  
Respiratory sensitization, Category 1  
Skin sensitizer, Category 1  
Germ cell mutagenicity, Category 1B  
Carcinogenicity, Category 1B  
Reproductive toxicity, Category 1B  
Specific Target Organ Toxicity – Repeated exposure, Category 1  
Short term (acute) aquatic hazard, Category 1  
Long (chronic) aquatic hazard, 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)



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H350 May cause cancer.  
H360 May damage fertility or the unborn child.  
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H410 Very toxic to aquatic life with long lasting effects.

## Precautionary Statements (SEA)

### Prevention

- P210 Keep away from heat/sparks/open flames/hot surfaces. -No smoking.  
P260 Do not breathe dust/fume/gas/mist/vapours/spray.  
P280 Wear protective gloves/protective clothing/eye protection/face protection.

### Intervention

- P303+P361+P353 IF ON SKIN (or hair): Remove/take off immediately all contaminated clothing. Rinse your skin with water/shower.  
P304+P340 IF INHALED: Move victim to fresh air and keep in a position comfortable for breathing.  
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	232-143-1
Molar mass	252.06 g/mol
Cas No	7789-09-5
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

Remove to fresh air. Call a doctor. If breathing stops: apply mechanical respiration immediately, with oxygen if necessary.

#### 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. Only in exceptional cases; if medical assistance is not available within one hour, induce vomiting (only if the person is awake and fully conscious). After: activated charcoal (20 - 40g in 10% solution). Do not try to neutralize.

### 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.



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## Unsuitable extinguishing media

There is no restriction for this item.

## 5.2 Special hazards arising from the substance or mixture

It is not flammable. Avoid shock and friction. Risk of dust explosion. All-round fire can release dangerous vapours. Depending on the oxygen output, it has a fire-increasing effect. In case of decomposition: danger of explosion.

## 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

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

Pay attention to the precautions on the label. Work with the title. Do not inhale the substance.

#### Advices on general occupational hygiene

Change contaminated clothing. Wash hands after working with substance. It is recommended to use a skin protection cream.

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

#### Storage conditions

Keep container tightly closed in dry and well-ventilated places. Store away from ignition and heat sources.

### 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 substances 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



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## 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: P3 type filter

## SECTION 9: Physical and chemical Properties

### 9.1 Information on basic physical and chemical properties

Physical state	Solid
Colour	Orange
Odour	Odorless
Odour threshold	Not applicable.
pH value	3,0 - 4,0 50 g/l 25 °C
Melting point/freezing point	170 °C
Freezing point	No information.
Initial boiling point and boiling range	No information.
Flash point	Not applicable.
Evaporation rate	No information.
Flammability (solid, gas)	No information.
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	2,150 g/cm <sup>3</sup> 20 °C
Relative density	No information.
Water solubility (g/l)	360 g/l 20 °C
Fat solubility (g/l)	No information.
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 classified as oxidizing with subcategory 2.


## SECTION 10: Stability and Reactivity

### 10.1 Reactivity

Risk of dust explosion.



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## 10.2 Chemical stability

The product is stable under storage at normal ambient temperatures.

## 10.3 Possibility of hazardous reactions

No information available.

## 10.4 Conditions to avoid

Avoid shock and friction. Heating.

## 10.5 Incompatible materials

Do not store together with strong reducing agents, alcohols, strong acids, acids.

## 10.6 Hazardous decomposition products

No known hazardous decomposition products.

## SECTION 11: Toxicological information

### 11.1 Information on toxicological effects

Acute oral toxicity

LD50 Oral - Rat - 53 mg/kg

Acute respiratory toxicity

LC50 Inhalation - Rat - 4 h - 0.2 mg/l

Acute dermal toxicity

LD50 Dermal - Rabbit - 1.860 mg/kg

Skin corrosion/irritation

Causes skin burns.

Serious eye damage/eye irritation

Eyes - Rabbit

Result: Serious eye irritation

Respiratory or skin sensitization

May cause respiratory allergies and skin reactions.

Germ cell mutagenicity

It can change the genetic material. In vivo tests have shown mutagenic effects.

Reproductive toxicity

It can cause congenital malformation in the fetus. The default reproductive poison for humans. May cause reproductive disorders.

Specific Target Organ Toxicity – Repeated exposure

Causes damage to organs through prolonged or repeated exposure.

### 11.2 Additional information

Handle in accordance with good industrial hygiene and safety practice.

## SECTION 12: Ecological information

### 12.1 Toxicity

No information available.

### 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.



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## 12.6 Other adverse effects

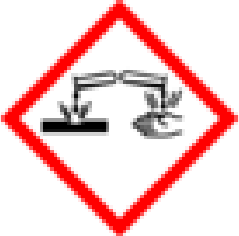




Discharge into environment must be avoided.

## 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
<b>14.1 UN number</b> UN 1439	UN 1439	UN 1439	UN 1439	UN 1439
<b>14.2 UN proper shipping name</b> AMMONIUM DICHROMATE	AMMONIUM DICHROMATE	AMMONIUM DICHROMATE	AMMONIUM DICHROMATE	AMMONIUM DICHROMATE
<b>14.3 Transport hazard class(es)</b> 5.1	5.1	5.1	5.1	5.1
				
<b>14.4 Packing group</b> II	II	II	II	II
<b>14.5 Environmental hazards</b> 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

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## 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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