

# Safety Data Sheet

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

Revision Date: 12.10.2022 Version 2

# TEKKİM

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

### 1.1 Product identifier

Catalog No. TK.930069.00000  
Product Name Potassium Chromate  
Cas no 7789-00-6

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

#### 1.2.1. Relevant identified uses

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)

Skin irritation, Category 2  
Eye irritation, Category 2  
Skin sensitizer, Category 1  
Germ cell mutagenicity, Category 1B  
Carcinogenicity, If inhaled, Category 1B  
Specific Target Organ Toxicity – Single exposure, Category 3, Respiratory system  
Short term (acute) aquatic hazard, Category 1  
Long term (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)

H315 Causes skin irritation.  
H317 Causes an allergic skin reaction.  
H319 Causes serious eye irritation.  
H335 May cause respiratory irritation.  
H340 May cause genetic damage.  
H350 May cause cancer.  
H410 Very toxic to aquatic life with long lasting effects.

Precautionary Statements (SEA)



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

Tekkim Kimya Company is an group company  
www.tekkim.com.tr | tekkim@tekkim.com.tr

**Tekkim Kimya Sanayi ve Ticaret Limited Şirketi**

**Factory:** O.S.B Mavi Caddesi 8.Sokak No:1 Nilüfer - BURSA | TURKEY

+90 224 243 21 71 (pbx) | Fax: +90 224 242 97 66

**Factory:** istoc 33.ada No: 47-49-51-53

+90 212 659 64 24 (pbx) | Fax: +90 212 659 64 30 - 31

# Safety Data Sheet

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

Revision Date: 12.10.2022 Version 2

# TEKKİM

## Prevention

- P202 Do not handle until all precautionary statements have been read and understood.  
P273 Avoid release to the environment.  
P280 Wear protective gloves/protective clothing/eye protection/face protection.

## Intervention

- P302+P352 IF ON SKIN: Wash with plenty of soap and water.  
P305+P351+P338 IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses if fitted and easy to do. Continue rinsing.  
P308+P313 IF exposed and concerned: Get medical advice/attention.

## SECTION 3: Composition/information on ingredients

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

### 3.1 Maddeler

EC No	232-140-5
Molar mass	194.19 g/mol
Cas No	7789-00-6
Concentration	(<= 100 % )

## SECTION 4: First aid measures

### 4.1 Description of first aid measures

<i>General information</i>	In case of accident or unwellness, seek medical advice immediately (show directions for use or safety data sheet if possible).
<i>Following inhalation</i>	Remove casualty to fresh air and keep warm and at rest..
<i>Following skin contact</i>	Wash with plenty of water. Take off contaminated clothing.
<i>Following eye contact</i>	In case of contact with eyes, rinse immediately with plenty of water and consult an ophthalmologist.
<i>Following ingestion</i>	Please give up to two glasses of water. Get immediate medical attention.

### 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

Potassium oxides. Chromium oxides. It is not flammable. All-round fire can release dangerous vapours.

### 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..



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

Tekkim Kimya Company is an group company  
www.tekkim.com.tr | tekkim@tekkim.com.tr

**Tekkim Kimya Sanayi ve Ticaret Limited Şirketi**

**Factory:** O.S.B Mavi Caddesi 8.Sokak No:1 Nilüfer - BURSA | TURKEY

+90 224 243 21 71 (pbx) | Fax: +90 224 242 97 66

**Factory:** istoc 33.ada No: 47-49-51-53

+90 212 659 64 24 (pbx) | Fax: +90 212 659 64 30 - 31

# Safety Data Sheet

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

Revision Date: 12.10.2022 Version 2

# TEKKİM

## 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.

### 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*

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*



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

Tekkim Kimya Company is an  group company  
www.tekkim.com.tr | tekkim@tekkim.com.tr

**Tekkim Kimya Sanayi ve Ticaret Limited Şirketi**

**Factory:** O.S.B Mavi Cadde 8.Sokak No:1 Nilüfer - BURSA | TURKEY

+90 224 243 21 71 (pbx) | Fax: +90 224 242 97 66

**Factory:** istoc 33.ada No: 47-49-51-53

+90 212 659 64 24 (pbx) | Fax: +90 212 659 64 30 - 31

# Safety Data Sheet

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

Revision Date: 12.10.2022 Version 2

# TEKKİM

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	Yellow
Odour	Odorless
Odour threshold	Not applicable.
pH value	8,5 - 10,0 50 g/l 20 °C
Melting point/freezing point	970 °C
Freezing point	No information.
Initial boiling point and boiling range	1000 °C
Flash point	Not applicable.
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.
Vapour pressure	No information.
Vapour density	No information.
Density	2,73 g/cm <sup>3</sup> 20 °C
Relative density	No information.
Water solubility (g/l)	630 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	It has upgrade potential.

## 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

Violent reactions possible with reducing compounds, chlorates.

There is a risk of explosion or formation of flammable gases or vapors with organic combustible materials, glycerol.

Risk of explosion/exothermic reaction with hydrazine and its derivatives, hydroxylamine, oxidizing agents.

There may be exothermic reaction with sulphides, phosphides.

### 10.4 Conditions to avoid

No information available.

### 10.5 Incompatible materials

No information available.

### 10.6 Hazardous decomposition products

No known hazardous decomposition products.

## SECTION 11: Toxicological information

### 11.1 Information on toxicological effects



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

Tekkim Kimya Company is an  group company  
www.tekkim.com.tr | tekkim@tekkim.com.tr

**Tekkim Kimya Sanayi ve Ticaret Limited Şirketi**

**Factory:** O.S.B Mavi Caddesi 8.Sokak No:1 Nilüfer - BURSA | TURKEY

+90 224 243 21 71 (pbx) | Fax: +90 224 242 97 66

**Factory:** istoc 33.ada No: 47-49-51-53

+90 212 659 64 24 (pbx) | Fax: +90 212 659 64 30 - 31



# Safety Data Sheet

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

# TEKKİM

Revision Date: 12.10.2022 Version 2

UN 3288

UN 3288

UN 3288

UN 3288

UN 3288

## 14.2 UN proper shipping name

TOXIC SOLID, INORGANIC,  
N.O.S. (POTASSIUM  
CHROMATE)

TOXIC SOLID, INORGANIC,  
N.O.S. (POTASSIUM  
CHROMATE)

TOXIC SOLID, INORGANIC,  
N.O.S. (POTASSIUM  
CHROMATE)

TOXIC SOLID, INORGANIC,  
N.O.S. (POTASSIUM  
CHROMATE)

TOXIC SOLID, INORGANIC,  
N.O.S. (POTASSIUM  
CHROMATE)

## 14.3 Transport hazard class(es)

6.1 (5.1)

6.1 (5.1)

6.1 (5.1)

6.1 (5.1)

6.1 (5.1)



## 14.4 Packing group

II

II

II

II

II

## 14.5 Environmental hazards

YES

YES

YES

YES

YES

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

- H315 Causes skin irritation.
- H317 Causes an allergic skin reaction.
- H319 Causes serious eye irritation.
- H335 May cause respiratory irritation.
- H340 May cause genetic damage.
- H350 May cause cancer.
- H410 Very toxic to aquatic life with long lasting effects.

Person Who Prepared the Safety Data Sheet:

Name:

Erhan DİLER

Certificate Number and Date:

11.29.03 & 11 Şubat 2020

Communication information:

05069903686



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

Tekkim Kimya Company is an group company  
www.tekkim.com.tr | tekkim@tekkim.com.tr

**Tekkim Kimya Sanayi ve Ticaret Limited Şirketi**

**Factory:** O.S.B Mavi Caddesi 8.Sokak No:1 Nilüfer - BURSA | TURKEY

+90 224 243 21 71 (pbx) | Fax: +90 224 242 97 66

**Factory:** istoc 33.ada No: 47-49-51-53

+90 212 659 64 24 (pbx) | Fax: +90 212 659 64 30 - 31