

# Safety Data Sheet

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

Revision Date: 09.08.2022 Version 2

# TEKKİM

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

### 1.1 Product identifier

Catalog No. TK.400177.01001  
Product Name Chromic acid % 5 Solution  
Cas no 1333-82-0

### 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)

Acute toxicity, Oral, Category 4  
Acute toxicity, By inhalation, Category 4  
Skin Corrosion, Subcategory 1A  
Serious eye damage, Category 1  
Respiratory sensitization, Category 1  
Skin sensitizer, Category 1  
Germ cell mutagenicity, Category 1B  
Carcinogenicity, Category 1A  
Reproductive toxicity, Category 2  
Specific Target Organ Toxicity – Repeated exposure, 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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- H301 + H311 Toxic if swallowed or in contact with skin.  
H314 Causes severe skin burns and eye damage.  
H317 Causes an allergic skin reaction.  
H330 Fatal if inhaled.  
H334 May cause allergy or asthma symptoms or breathing difficulties if inhaled.  
H335 May cause respiratory irritation.  
H340 May cause genetic defects.  
H350 May cause cancer.  
H361 Suspected of damaging fertility or the unborn child.

## Precautionary Statements (SEA)

### Prevention

- 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+P312 IF INHALED: Move victim to fresh air and keep in a position comfortable for breathing. Call the NATIONAL POISON ADVICE CENTER or doctor/physician immediately.  
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	215-607-8
Molar mass	99.99 g/mol
Cas No	1333-82-0
Concentration	(>= 5 % - <= 10 % )

## 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 eyelids with water for 10-15 minutes. See a doctor immediately.

#### Following ingestion

Give up to two glasses of water. Get medical help immediately. Do not try to neutralize. 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).

### 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.



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## 5.2 Special hazards arising from the substance or mixture

Use extinguishing measures appropriate to local conditions and the surrounding environment.

## 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.

### 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*

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. Store only together or separately with other oxidizing agents and away from sources of ignition and heat. These products considerably increase the burning rate of combustible materials due to their oxidation potential.

### 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

*Hand protection*



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## 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

Acid-resistant protective clothing

### Respiratory protection

No protective equipment is needed under normal use conditions. If exposure limits are exceeded or irritation is experienced, ventilation and evacuation may be required.

## SECTION 9: Physical and chemical Properties

### 9.1 Information on basic physical and chemical properties

Physical state	Liquid
Colour	Dark red
Odour	Odorless
Odour threshold	No information.
pH value	< 7,0 20 °C
Melting point/freezing point	No information.
Freezing point	No information.
Initial boiling point and boiling range	No information.
Flash point	No information.
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	1,03 g/cm <sup>3</sup> 20 °C
Relative density	No information.
Water solubility (g/l)	No information.
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	No information.

## 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.



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## 10.3 Possibility of hazardous reactions

No information available.

## 10.4 Conditions to avoid

Avoid heat and humidity.

## 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

Inhalation

Corrosive by inhalation. Inhalation of corrosive gases/gases may cause coughing, choking, headache, dizziness and weakness for several hours. Pulmonary edema may occur with chest tightness, shortness of breath, bluish skin, decreased blood pressure, increased heart rate. Inhaled corrosive substances can cause toxic edema in the lungs. Pulmonary edema can be fatal. May cause sensitization in susceptible individuals.

Eye contact

Causes serious eye damage. It is corrosive to the eyes and can cause serious damage, including blindness. May cause irreversible damage to eyes.

skin contact

Caustic. Causes burns. Repeated or prolonged skin contact may cause allergic reactions in susceptible individuals. May cause sensitization in contact with skin.

Swallowing

Ingestion causes burns in the upper digestive and respiratory tracts. Dark blood in the mouth and stomach can cause severe burning pain with vomiting and diarrhea. Blood pressure may drop. Brownish or yellowish patches may appear around the mouth. Swelling of the throat can cause shortness of breath and choking. May cause lung damage if swallowed. May be fatal if swallowed and enters respiratory tract.

### 11.2 Additional information

No information available.

## SECTION 12: Ecological information

### 12.1 Toxicity

No information available.

### 12.2 Persistence and degradability

No information available.

### 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

No information available.

## 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



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## 14.1 UN number

UN1755 UN1755 UN1755 UN1755 UN1755

## 14.2 UN proper shipping name

Chromic acid solution Chromic acid solution Chromic acid solution Chromic acid solution Chromic acid solution

## 14.3 Transport hazard class(es)

8 8 8 8 8



## 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

## SECTION 16: Other informations

### Full text of H statements

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- H340 May cause genetic defects.
- H350 May cause cancer.
- H361 Suspected of damaging fertility or the unborn child.

Person Who Prepared the Safety Data Sheet:

Name:

Erhan DİLER

Certificate Number and Date:

11.29.03 & 11 Şubat 2020

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