

# Safety Data Sheet

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

Revision Date: 15.08.2022 Version 2

# TEKKİM

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

### 1.1 Product identifier

Catalog No. TK.200730.00000  
Product Name Ammonium Chloride  
Cas no 12125-02-9

### 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, Category 4, Oral  
Eye irritation, Category 2

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)

WARNING

Hazard Statements (SEA)

H302 Harmful if swallowed.

H319 Causes serious eye irritation.

Precautionary Statements (SEA)

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 235-186-4  
Molar mass 53.49 g/mol  
Cas No 12125-02-9  
Concentration (<= 100 % )



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

#### 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

May form free in case of fire: Hydrogen chloride. nitrous oxide. 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..

### 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. 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

Required when dusts occur.


Recommended filter type : P 2 Filter (according to DIN 3181) for solid and liquid particles of harmful elements.

## SECTION 9: Physical and chemical Properties

### 9.1 Information on basic physical and chemical properties



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Physical state	Crystal
Colour	White
Odour	Odorless
Odour threshold	Not applicable.
pH value	approx 4.7 200 g/l 25 °C
Melting point/freezing point	338 °C
Freezing point	No information.
Initial boiling point and boiling range	Not applicable.
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	1.3 hPa 30 °C
Vapour density	No information.
Density	1.53 g/cm <sup>3</sup> 25 °C
Relative density	No information.
Water solubility (g/l)	372 g/l 20 °C
Fat solubility (g/l)	No information.
Partition coefficient: n-octanol/water	No information.
Auto-ignition temperature	> 400 °C
Decomposition temperature	Not applicable.
Viscosity	
Kinematic viscosity	No information.
Dynamic viscosity	No information.
Explosive properties	Not classified as explosive
Oxidising properties	none

## SECTION 10: Stability and Reactivity

### 10.1 Reactivity

Section 10.3 to see.

### 10.2 Chemical stability

It can sublime.

### 10.3 Possibility of hazardous reactions

Violent reactions possible with alkali hydroxides, acids.

There is a risk of explosion or formation of flammable gases or vapors with halogen-halogen compounds, alkalines, alkaline substances.

Risk of explosion with nitrates, chlorates, heavy metal salts, nitrites, hydrogen cyanide, chlorine, silver salt, strong oxidizing agents.

### 10.4 Conditions to avoid

No information available.

### 10.5 Incompatible materials

Aluminum, lead, iron, copper, copper compounds.

### 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 Rat: 1,410 mg/kg  
OECD Test Guideline 401  
Symptoms: Irritation of mucous membranes in the mouth, throat, esophagus and gastrointestinal tract.

Acute inhalation toxicity  
Symptoms: Possible damages:., mucosal irritations

Acute dermal toxicity  
LD50 Rat: > 2.000 mg/kg  
(ECHA)

Eye irritation  
Causes serious eye irritation.  
Rabbit  
Result: Eye irritation  
OECD Test Guideline 405

Repeated dose toxicity  
Rat  
male and female  
Oral  
90g  
Diary  
NOAEL: 1,695.7 mg/kg  
OECD Directive 408  
Subchronic toxicity

## 11.2 Additional information

After swallowing: local irritation symptoms, nausea, vomiting, diarrhoea.  
Systemic effect: after ingestion: drop in blood pressure, fall, CNS disturbance, spasms, narcotic conditions, respiratory paralysis, haemolysis.  
Handle in accordance with safety and hygiene rules.

## SECTION 12: Ecological information

### 12.1 Toxicity

Toxicity to fish  
LC50 *Oncorhynchus mykiss* (Rainbow trout): 42.91 mg/l; 96 h  
Analytical observation: yes  
US-EPA

Toxicity to daphnia and other aquatic invertebrates  
static test EC50 *Daphnia magna* (Water flea): > 100 mg/l; 48 hours  
Analytical observation: yes  
(ECHA)

Toxicity to bacteria  
static test EC50 active waste: 1,310 mg/l; 0.5 h  
OECD Test Guideline OECD 209

Toxicity to fish (Chronic toxicity)  
flow-through test EC10 *Lepomis macrochirus* (Bluegill sunfish): 4.28 mg/l; 30g  
Analytical observation: yes  
(ECHA)

### 12.2 Persistence and degradability


No information available.

### 12.3 Bioaccumulative potential

No information available.



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## 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


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>				
--	--	--	--	--
<b>14.2 UN proper shipping name</b>				
It is not classified as dangerous goods.	It is not classified as dangerous goods.	It is not classified as dangerous goods.	It is not classified as dangerous goods.	It is not classified as dangerous goods.
<b>14.3 Transport hazard class(es)</b>				
--	--	--	--	--
				
<b>14.4 Packing group</b>				
--	--	--	--	--
<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

H302 Harmful if swallowed.

H319 Causes serious eye irritation.



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Person Who Prepared the Safety Data Sheet:

Name: Erhan DİLER  
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