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



Revision Date: 17.08.2022 Version 2

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

1.1 Product identifier

Catalog No. TK.201080.00000
Product Name Tartaric acid
Cas no 87-69-4

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

1.2.1. Relevant identified uses

Pharmaceutical production. Cosmetic raw material. 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)

Serious eye damage, 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)

H318 Causes serious eye damage.

Precautionary Statements (SEA)

Prevention

P280 Wear protective gloves/protective clothing/eye protection/face protection.

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

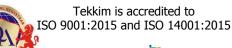
 EC No
 201-766-0

 Molar mass
 150.08 g/mol

 Cas No
 87-69-4







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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).

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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

Water. Foam. Dry extinguishing powder. Carbon dioxide (CO2).

Unsuitable extinguishing media

There is no restriction for this item.

5.2 Special hazards arising from the substance or mixture

Carbon oxides. Flammable. Heavy-than-air vapors may form on the floor surface. Forms explosive mixtures with air at intense temperatures. In case of fire, dangerous flammable gases or vapors may develop.

5.3 Advice for firefighters

Special protective equipment for firefighters

In case of fire: Wear self-contained breathing apparatus...

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.





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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.

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 subtances 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.

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Personal protection equipment

Eye/face protection

Fully fitting 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

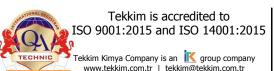
Required when dusts occur.

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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Colour White Odour Odorless Odour threshold

No information. pH value 150 g/l 20 °C 1 - 2 Melting point/freezing point 170 - 172 °C Freezing point No information.

180 °C Initial boiling point and boiling range Flash point 150 °C

Evaporation rate No information. Flammability (solid, gas) 375 °C

Upper/lower flammability or explosive limits No information. Upper/lower flammability or explosive limits No information. < 0.05 hPa 20 °C

Vapour pressure Vapour density 5.18 Density

No information. Relative density No information. 150 g/l 20 °C Water solubility (g/l) No information. Fat solubility (q/l)

Partition coefficient: n-octanol/water log Pow: -1.91 OECD Test Guideline 107

Bioaccumulation is not expected.

Auto-ignition temperature No information. Decomposition temperature > 170 °C

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

Forms explosive mixtures with air at intense temperatures.

10.2 Chemical stability

The product is stable under storage at normal ambient temperatures.

10.3 Possibility of hazardous reactions

It gives exothermic reaction with strong oxidizing agents, silver, hydrogen peroxide, alkaline substances. There is a risk of explosion with silver salt.

10.4 Conditions to avoid

Powerful heating.

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





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Acute oral toxicity LD50 Oral - Rat - female - > 2.000 - < 5.000 mg/kg (OECD Test Guideline 423)

Acute dermal toxicity LD50 Dermal - Rat - male and female - > 2.000 mg/kg (OECD Test Guideline 402)

Serious eye damage/eye irritation Eyes - In vitro study Result: Irreversible effects on the eyes (OECD Test Guideline 437)

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

Toxicity to fish static test LC50 - Danio rerio (zebrafish) - > 100 mg/l - 96 h (OECD Test Guideline 203)

Toxicity to daphnia and other aquatic invertebrates static test EC50 - Daphnia magna (Water flea) - 93.3 mg/l - 48 h (OECD Test Guideline 202)

Toxicity to algae (algae) static test NOEC - Pseudokirchneriella subcapitata (green algae) 3.125 mg/l - 72h (OECD Test Guideline 201) static test EC50 - Pseudokirchneriella subcapitata - 51.4 mg/l - 72 h (OECD Test Guideline 201)

Toxicity to bacteria static test EC50 - activated sludge - > 1.000 mg/l - 3 h (OECD Test Guideline 209)

12.2 Persistence and degradability

Biodegradability oxygenated (aerobic) - Exposure time 28 d Result: 85% - Easily degradable. (OECD Test Guideline 306)

Theoretical oxygen demand 533 mg/g

BOD/ThBOD ratio 56 % (Source)

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

Discharge into environment must be avoided.

SECTION 13: Disposal considerations

Waste treatment methods





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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.

ADR	IMDG	IATA	ADN	KID
14.1 UN number				

14.2 UN proper shipping name

	•			
It is not classified as dangerous	It is not classified as dangerous	It is not classified as dangerous	It is not classified as dangerous	It is not classified as dangerous
goods.	goods.	goods.	goods.	goods.

14.3 Transport hazard class(es)

14.4 Packing group

-- -- -- -- --

14.5 Environmental hazards

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

H318 Causes serious eye damage.

Person Who Prepared the Safety Data Sheet:

Name:
Certificate Number and Date:
Erhan DİLER

Communication information:

05069903686





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