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



Revision Date: 18.08.2022 Version 2

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

1.1 Product identifier

Catalog No. TK.201774.00000

Product Name Copper (II) Nitrate Trihydrate

Cas no 10031-43-3

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

1.2.1. Relevant identified uses

Industrial use. 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, Category 4, Oral Skin irritation, Category 2 Eye irritation, Category 2

Acute aquatic toxicity, Category 1 Chronic aquatic toxicity, 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)

H272 May intensify fire; oxidizer.

H302 Harmful if swallowed.

H315 Causes skin irritation.

H319 Causes serious eye irritation.

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 Cadde 8.Sokak No:1 Nlüfer - BURSA | TURKEY

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

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

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

TEKKIM

Prevention

P210 Keep away from heat/sparks/open flames/hot surfaces. -No smoking.

P221 Take all precautionary measures to prevent mixing/mixing with combustibles.

P273 Avoid release to the environment.

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.

Revision Date: 18.08.2022

Version 2

SECTION 3: Composition/information on ingredients

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

221-838-5 EC No 241.60 g/mol Molar mass Cas No 10031-43-3 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 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.

Give up to two glasses of water. Get medical help immediately. Following ingestion

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

It is not flammable. Depending on the oxygen output, it has a fire-increasing effect. All-round fire can release dangerous vapours. Fire may cause evolution of: nitrous gases, nitrogen oxides.

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.

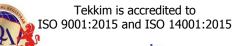
SECTION 6: Accidental release measures

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 Kimya Company is an K 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 Nlüfer - BURSA | TURKEY

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

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

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



Revision Date: 18.08.2022 Version 2

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

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 away from flammable materials.

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.

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.

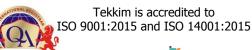
Other skin protection

Protective chlothing.

Respiratory protection







Tekkim Kimya Sanayi ve Ticaret Limited Şirketi Factory: O.S.B Mavi Cadde 8.Sokak No:1 Nlüfer - BURSA | TURKEY

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

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

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



Required when dusts occur.

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

Revision Date: 18.08.2022

No information.

No information.

It doesn't shine.

No information.

No information.

Not applicable. Not applicable.

No information.

No information. 2.05 g/cm3 20 °C

No information.

No information.

No information. No information.

20 °C

2670 g/l

>170 °C

Version 2

SECTION 9: Physical and chemical Properties

9.1 Information on basic physical and chemical properties

Physical state Solid Colour Blue

Odour No information. Odour threshold No information. 3 - 4 50 g/l 20 °C pH value

114 °C Melting point/freezing point

Freezing point Initial boiling point and boiling range

Flash point Evaporation rate Flammability (solid, gas) Upper/lower flammability or explosive limits

Upper/lower flammability or explosive limits Vapour pressure Vapour density

Density Relative density Water solubility (g/l) Fat solubility (g/l)

Partition coefficient: n-octanol/water

Auto-ignition temperature Decomposition temperature

Viscosity

No information. Kinematic viscosity Dynamic viscosity No information.

Explosive properties Not classified as explosive. Oxidising properties It shows oxidation feature.

SECTION 10: Stability and Reactivity

10.1 Reactivity

Strong oxidizing agent.

10.2 Chemical stability

Sensitive to moisture. When heated, the water of crystallization is released.

10.3 Possibility of hazardous reactions

Risk of explosion with ammonia, amides, oxidizing agents, metals, organic substances.

May form exothermic reaction with acetic anhydride.

10.4 Conditions to avoid

Powerful heating.

10.5 Incompatible materials

No information available.

10.6 Hazardous decomposition products

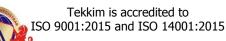
No known hazardous decomposition products.

SECTION 11: Toxicological information

11.1 Information on toxicological effects







Tekkim Kimya Company is an K 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 Nlüfer - BURSA | TURKEY

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

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

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



Acute oral toxicity LD50 Rat: 940 mg/kg

(RTECS)

Symptoms: Vomiting

Acute inhalation toxicity

Symptoms: Possible damages:, mucosal irritations

Skin irritation

Causes skin irritation.

Rabbit

Result: irritations

OECD Test Guideline 404

Eye irritation

Causes serious eye irritation.

Rabbit

Result: irritating

OECD Test Guideline 405

11.2 Additional information

Handle in accordance with good industrial hygiene and safety practice.

SECTION 12: Ecological information

12.1 Toxicity

Toxicity to fish

LC50 fish: 0.29 mg/l; 96 h (anhydrous substance) (HSDB)

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.

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.

Revision Date: 18.08.2022

Version 2

SECTION 14: Transport information

_	ozonow 14. manoport information				
A	.DR	IMDG	IATA	ADN	RID
14.1 UN number					
U	IN 1477	UN 1477	UN 1477	UN 1477	UN 1477
14.2 UN proper shipping name					
	ITRATES, INORGANIC, .O.S. (COPPER(II)-NITRATE)	NITRATES, INORGANIC, N.O.S. (COPPER(II)-NITRATE)	· · · · · · · · · · · · · · · · · · ·	NITRATES, INORGANIC, N.O.S. (COPPER(II)-NITRATE)	NITRATES, INORGANIC, N.O.S. (COPPER(II)-NITRATE)

14.3 Transport hazard class(es)

5.1 5.1 5.1 5.1 5.1







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 Nlüfer - BURSA | TURKEY

+ 100 224 242 24 74 (abo) | Farm + 00 224 242 07 66

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

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

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









Version 2

14.4 Packing group

II II

14.5 Environmental hazards

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

H272 May intensify fire; oxidizer.

H302 Harmful if swallowed.

H315 Causes skin irritation.

H319 Causes serious eye irritation.

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 Kimya Sanayi ve Ticaret Limited Şirketi Factory: O.S.B Mavi Cadde 8.Sokak No:1 Nlüfer - BURSA | TURKEY

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

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