

Safety Data Sheet

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

Revision Date: 04.08.2022 Version 2

TEKKİM

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

1.1 Product identifier

Catalog No. TK.020070.00000
Product Name Copper(II) Carbonate
Cas no 12069-69-1

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

1.2.1. Relevant identified uses

Industrial uses. Use as 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

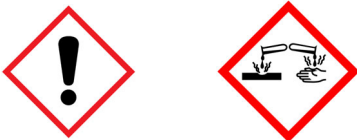
Classification according to Regulation (EC) No. 1272/2008 (CLP)

Acute Tox. 4
Acute toxicity (inhalative)
Eye Irrit. 2
Aquatic Acute 1
Aquatic Chronic 1
Full text of R-, H- and EUH-phrases: 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)

H319 Causes serious eye irritation.
H302+H332 Harmful if swallowed or inhaled.
H410 Very toxic to aquatic life with long lasting effects.

Precautionary Statements (SEA)



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Prevention

P261 Avoid breathing dust/fume/gas/mist/vapours/spray.
P264 Wash thoroughly with after handling.
P273 Avoid release to the environment.

Intervention

P301+P312 IF SWALLOWED: Call 114 POISON CENTER or doctor/physician if you feel unwell.
P304+P340 IF INHALED: Move victim to fresh air and keep in a position comfortable for breathing.
P305+P351+P338 IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses if fitted and easy to do. Continue rinsing.
P312 If you feel unwell, call a POISON CENTER 114 or doctor/physician.

SECTION 3: Composition/information on ingredients

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

3.1 Maddeler

EC No	235-113-6
Molar mass	221.11 g/mol
Cas No	12069-69-1
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	Remove casualty to fresh air and keep warm and at rest..
Following skin contact	Wash with plenty of water. Take off contaminated clothing.
Following eye contact	Rinse carefully and thoroughly with eye wash or water
Following ingestion	Please give up to two glasses of water. Get immediate medical attention.

4.2 Most important symptoms and effects, both acute and delayed

Impaired consciousness. . Headache. Dizziness.

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

Not flammable.. Ambient fire may liberate hazardous vapors..

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 dust.Avoid substance contact. Keep away from head and source of ignition. Ensure adequate ventilation. Evacuate the danger area, observe emergency procedures,consult an expert.



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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. Work under hood. Do not inhale substance/mixture. Avoid generation of dust.

Advices on general occupational hygiene

Immediately change contaminated clothing. Apply preventive skin protection. Wash hands and face after working with substance.

7.2 Conditions for safe storage, including any incompatibilities

Storage conditions

Keep container tightly closed in a dry and well-ventilated place.

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



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Required when dusts are generated

Recommended filter type :

Filter P 2 for solid and liquid particles of harmful elements (according to DIN 3181)

SECTION 9: Physical and chemical Properties

9.1 Information on basic physical and chemical properties

Physical state	Solid
Colour	No information.
Odour	Odorless
Odour threshold	Not applicable.
pH value	8,0 - 9,0 50 g/l 20 °C
Melting point/freezing point	> 400 °C
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	No information.
Relative density	No information.
Water solubility (g/l)	0,002 g/l 20 °C
Fat solubility (g/l)	No information.
Partition coefficient: n-octanol/water	No information.
Auto-ignition temperature	No information.
Decomposition temperature	200 °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

Section 10.3 to see.

10.2 Chemical stability

The product is chemically stable under recommended conditions of storage, use and temperature..

10.3 Possibility of hazardous reactions

No information available.

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



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LD50 Oral - Rat - male and female - 1.385 mg / kg
(OECD Test Guideline 401)

Notes: The value is given as an analogy to the following items:
Absorption

LD50 Dermal - Rat - male and female -> 2,000 mg / kg
(OECD Test Guideline 402)

Skin - Rabbit
Result: No skin irritation - 4 h
(OECD Test Guideline 404)

Eyes - Rabbit
Result: irritant
(OECD Test Guideline 405)

Oral Acute toxicity - Vomiting, Diarrhea

11.2 Additional information

Cough, Difficulty breathing, Gastrointestinal disturbances, Nausea, Vomiting, Symptoms of systemic copper poisoning include capillary damage, headache, cold sweat, pulse weakness, kidney and liver damage, stimulation of the central nervous system followed by depression, jaundice, convulsions, paralysis and include coma. Shock or kidney failure

death cases may occur due to The most prominent feature of chronic copper poisoning is the accumulation of copper in the cornea, as seen in people with liver cirrhosis, brain damage and demyelination, kidney disorders and Wilson's disease. Also, copper poisoning

It has also been reported to cause hemolytic anemia and accelerate arteriosclerosis.

After inhalation of dust:

Local irritation, Metal-fume fever after ingestion of large quantities.

After absorption of toxic amounts:

cardiovascular disorders, agitation, spasms, CNS disorders

Carry it in accordance with safety and hygiene rules.

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

Biological effects:

Pesticide effect. Fungicide

Detailed information on ecology

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



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ADR	IMDG	IATA	ADN	RID
14.1 UN number UN 3077	UN 3077	UN 3077	UN 3077	UN 3077
14.2 UN proper shipping name ENVIRONMENTALLY HAZARDOUS SUBSTANCE, SOLID, N.O.S. (Contains: copper(II) hydroxide carbonate), MARINE POLLUTANT	ENVIRONMENTALLY HAZARDOUS SUBSTANCE, SOLID, N.O.S. (Contains: copper(II) hydroxide carbonate), MARINE POLLUTANT	ENVIRONMENTALLY HAZARDOUS SUBSTANCE, SOLID, N.O.S. (Contains: copper(II) hydroxide carbonate), MARINE POLLUTANT	ENVIRONMENTALLY HAZARDOUS SUBSTANCE, SOLID, N.O.S. (Contains: copper(II) hydroxide carbonate), MARINE POLLUTANT	ENVIRONMENTALLY HAZARDOUS SUBSTANCE, SOLID, N.O.S. (Contains: copper(II) hydroxide carbonate), MARINE POLLUTANT
14.3 Transport hazard class(es) 9	9	9	9	9
				
14.4 Packing group III	III	III	III	III
14.5 Environmental hazards YES	YES	YES	YES	YES
Packages less than 5 kg/l or equivalent, non-hazardous goods of Class 9	Packages less than 5 kg/l or equivalent, non-hazardous goods of Class 9	Packages less than 5 kg/l or equivalent, non-hazardous goods of Class 9	Packages less than 5 kg/l or equivalent, non-hazardous goods of Class 9	Packages less than 5 kg/l or equivalent, non-hazardous goods of Class 9

14.6 Special Precautions for User:

Packages less than 5 kg/l or equivalent, non-hazardous goods of Class 9

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


- H319 Causes serious eye irritation.
H302+H332 Harmful if swallowed or inhaled.
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



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