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



Revision Date: 30.09.2022 Version 2

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

1.1 Product identifier

Catalog No. TK.920085.00000
Product Name Zinc Nitrate Hexahydrate

Cas no 10196-18-6

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. STİ.

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, Oral, Category 4 Skin irritation, Category 2 Eye irritation, Category 2

Specific Target Organ Toxicity - Single exposure, Category 3, Respiratory system

Short term (acute) aquatic hazard, Category 1 Long (chronic) aquatic hazard, 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)

DANGER

Hazard Statements (SEA)

H272 May intensify fire; oxidizer.

H302 Harmful if swallowed.

H315 Causes skin irritation.

H319 Causes serious eye irritation.

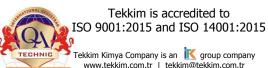
H335 May cause respiratory irritation.

H410 Very toxic to aquatic life with long lasting effects.

Precautionary Statements (SEA)







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Prevention

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

P220 Keep/Store away from clothing /.../combustible materials.

P273 Avoid release to the environment.

Intervention

P301+P312 IF SWALLOWED: Call 114 POISON CENTER or doctor/physician if you feel unwell.

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.

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SECTION 3: Composition/information on ingredients

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

3.1 Maddeler

 EC No
 231-943-8

 Molar mass
 189,36 g/mol

 Cas No
 10196-18-6

 Concentration
 (<= 100 %)</td>

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 immediately with plenty of water and

consult an ophthalmologist.

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

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

Zinc/zinc oxides. It is not flammable. Depending on the oxygen output, it has a fire-increasing effect. 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

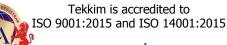
Stop and contain spill/release if it can be done safely. If this cannot be done, allow fire to burn under control.

SECTION 6: Accidental release measures

6.1 Personal precautions, protective equipment and emergency procedures







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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

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. Do not store near flammable materials. hygroscopic.

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.







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Other skin protection

Protective chlothing.

Respiratory protection

Required when dusts occur.

Recommended Filter type: P2 type filter

SECTION 9: Physical and chemical Properties

9.1 Information on basic physical and chemical properties

Physical state Solid Colour Colorless Odour Odorless Odour threshold No information. No information. pH value 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 No information. Relative density No information. Water solubility (g/l) No information. Fat solubility (g/l) No information. Partition coefficient: n-octanol/water No information. No information. Auto-ignition temperature Decomposition temperature No information.

Viscosity

Kinematic viscosity

No information.

No information.

Explosive properties Not classified as explosive.

Oxidising properties The substance or mixture is classified as a

subcategory 2 oxidant.

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.

10.3 Possibility of hazardous reactions

They give exothermic reaction with sulphides, phosphorus and copper. There is a risk of explosion with organic combustible materials, carbon.

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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Acute oral toxicity

LD50 Oral - Rat - female - 2.000 mg/kg

(OECD Test Guideline 423)

Symptoms: Mucosal irritations, cough, shortness of breath. Possible damages: Damage to the respiratory tract. After the secrecy period: Pulmonary edema.

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Serious eye damage/eye irritation

Causes serious eye irritation.

Specific Target Organ Toxicity - Single exposure

May cause respiratory tract irritation.

Acute inhalation toxicity - mucosal irritations, cough, shortness of breath. Possible damages:, damage to respiratory tract, After latency period:, Pulmonary oedema.

11.2 Additional information

Systemic effects:

Pain, fever, shortness of breath, unconsciousness.

Handle in accordance with safety and hygiene rules.

SECTION 12: Ecological information

12.1 Toxicity

Toxicity to algae (algae)

IC50 - Selenastrum capricornutum (green algae) - 0.395 mg/l

(ECHA)

12.2 Persistence and degradability

Biodegradability

Result: biodegradable quickly.

(ECHA)

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:

Bacterial effect. It is dangerous for drinking water supplies.

Discharge into the environment should be prevented.

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: Tra	insport information				
ADR	IMDG	IATA	ADN	RID	
14.1 UN number					
UN 1514	UN 1514	UN 1514	UN 1514	UN 1514	
14.2 UN proper s	hipping name				
Zinc nitrate	Zinc nitrate	Zinc nitrate	Zinc nitrate	Zinc nitrate	
14.3 Transport h	azard class(es)				
5.1	5.1	5.1	5.1	5.1	





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14.4 Packing group

14.5 Environmental hazards

YES 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

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.

H335 May cause respiratory irritation.

H410 Very toxic to aquatic life with long lasting effects.

Person Who Prepared the Safety Data Sheet:

Name:

Certificate Number and Date: Erhan DİLER

Communication information: 11.29.03 & 11 Şubat 2020

05069903686







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