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



Revision Date: 20.09.2022 Version 2

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

1.1 Product identifier

Catalog No. TK.800100.00000
Product Name Calcium Hydroxide

Cas no 1305-62-0

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. Industrial use.

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)

Skin irritation, Category 2

Serious eye damage, Category 1

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

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)

H315 Causes skin irritation.

H318 Causes serious eye damage.

H335 May cause respiratory irritation.

Precautionary Statements (SEA)

Prevention

P261 Avoid breathing dust/fume/gas/mist/vapours/spray.

P264 Wash skin thoroughly after handling.

P271 Use only outdoors or in a well-ventilated area.

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

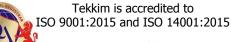
Intervention

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.







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SECTION 3: Composition/information on ingredients

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

3.1 Maddeler

 EC No
 215-137-3

 Molar mass
 74.09 g/mol

 Cas No
 1305-62-0

 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

Calcium 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





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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. Do not use light weight metal containers.

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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

Calcium Hydroxide (1305-62-0)

TWA (8 Saat) 5 mg/m3

ZOAD/TWA 15 mg/m3

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

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

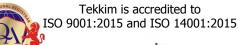
Required when dusts occur.

Recommended Filter type: P2 type filter

SECTION 9: Physical and chemical Properties







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9.1 Information on basic physical and chemical properties

Physical state

Colour

Odour

Odorless

Odour threshold

PH value

Melting point/freezing point

Freezing point

Solid

White

Odorless

Not applicable.

12,4 - 12,6 20 °C

>= 450 °C

No information

Freezing point
Initial boiling point and boiling range
Flash point
Evaporation rate

No information.

2.850 °C
Not applicable.
No information.

Evaporation rate

Flammability (solid, gas)

Upper/lower flammability or explosive limits

Upper/lower flammability or explosive limits

Vapour pressure

No information.

Not applicable.

No information.

Vapour density

Density

Relative density

Vapour density

Relative density

Selective density

No information.

2,24 g/cm3 20 °C

2,22 20 °C

Vater solubility (g/l)

Fat solubility (g/l)

No information.

Partition coefficient: n-octanol/water

Not applicable.

Partition coefficient: n-octanol/water Not applicable.

Auto-ignition temperature No information.

Decomposition temperature No information.

Viscosity

Kinematic viscosity

No information.

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 stable under storage at normal ambient temperatures.

10.3 Possibility of hazardous reactions

They give exothermic reaction with hydrogen sulphate, light metals, phosphorus, organic nitro compounds, acids.

10.4 Conditions to avoid

No information available.

10.5 Incompatible materials

Light metals.

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 Testing Guide 425)

Acute respiratory toxicity LC50 Inhalation - Rat - male and female - 4 h - > 6.04 mg/l (OECD Testing Guide 436)

Acute dermal toxicity LD50 Dermal - Rabbit - male and female - > 2.500 mg/kg (OECD Testing Guide 402)

Skin corrosion/irritation Skin - Rabbit

Result: Irritating to skin. (OECD Testing Guide 404)

Serious eye damage/eye irritation Eves - Rabbit

Result: Irreversible effects on the eyes.

(OECD Testing Guide 405)

Risk of corneal clouding. Risk of blindness!

Specific Target Organ Toxicity - Single exposure If inhaled - May cause respiratory tract irritation.

11.2 Additional information

Handle in accordance with good industrial hygiene and safety practice

SECTION 12: Ecological information

12.1 Toxicity

Toxicity to fish

static test LC50 - Oncorhynchus mykiss (Rainbow trout) - 50.6 mg/l - 96 h (OECD Testing Guide 203)

Toxicity to daphnia and other aquatic invertebrates static test EC50 - Daphnia magna (Water flea) - 49.1 mg/l - 48 h (OECD Testing Guide 202)

Toxicity to algae (algae)

static test ErC50 - Pseudokirchneriella subcapitata (green algae) - 184.6 mg/l - 72 h (OECD Testing Guide 201)

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

Biological effects:

Harmful effect due to pH change. Forms corrosive mixtures even when diluted. Neutralization is possible in the wastewater treatment plant.

Discharge into the environment should be prevented.

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	RID
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	s 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

H315 Causes skin irritation.

H318 Causes serious eye damage.

H335 May cause respiratory irritation.

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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