

Safety Data Sheet

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



Revision date 23.10.2019

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Version 2

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

1.1 Product identifier

1.2 Relevant identified uses of the substance or mixture and uses advised against TK.020100

Generic name Boric Acid Extra pure

REACH No.

CAS No. 10043-35-3

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

Relevant identified uses Industrial uses. Scientific research and development. Use as laboratory reagent.

Use of the substance / mixture

Uses advised against

Details of the supplier of the safety data sheet

Name TEKKİM KİMYA SAN. T.C. LTD. T

Street ORGANİZE SAN. BÖL. MAVİ CAD. 8. SOK. NO : NİLÜFER / BURSA

Telephone 0224 243 21 71

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Company Representative Gökhan ÖZKAN

Emergency Telephone Number 0553 209 14 16 - 0553 209 14 18

SECTION 2: Hazards identification

Classification of the substance or mixture

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

Repr. 2

Full text of R-, H- and EUH-phrases: see section 16.

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Article No (user) TK.020100
Generic name BORIC ACID

2.2 Label elements

Labelling according to Regulation (EC) No. 1272/2008 [CLP]

Hazard pictograms



Signal word

Warning

Hazard Statements

H360 May damage fertility or the unborn child.

Precautionary Statements

Prevention

P201 Obtain special instructions before use.

Response

IF exposed or concerned: Get medical advice/attention.

Storage

2.3 Other hazards

SECTION 3: Composition/information on ingredients

Substances

Formula	H3BO3			
EC No.	233-139-2			
Molar mass	61,84 g/mol			
<u>Characteristic</u>	<u>CAS No</u>	<u>EC No</u>	<u>Concentration</u>	<u>Classification</u>
Boric Acid	10043-35-3	233-139-2	<=100 %	

Full text of R-, H- and EUH-phrases: see section 16.

SECTION 4: First aid measures

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	Subsequently wash off with:.
Following eye contact	In case of contact with eyes, rinse immediately thoroughly with plenty of edible oil and consult an ophthalmologist..
Following ingestion	After swallowing you drink several glasses of water.

Most important symptoms and effects, both acute and delayed

Vomiting. Nausea.

Indication of any immediate medical attention and special treatment needed

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No information available..

SECTION 5: Firefighting measures

5.1 Extinguishing media

Suitable extinguishing media

Use extinguishing measures appropriate to the environment..

Unsuitable extinguishing media

Water spray jet.

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

Do not allow run-off from fire-fighting to enter drains or water courses..

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

Take up mechanically, placing in appropriate containers for disposal..

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

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

Measures to prevent fire

Advices on general occupational hygiene

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7.2 Conditions for safe storage, including any incompatibilities

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Technical measures and storage conditions

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7.3 Specific end uses

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SECTION 8: Exposure controls / personal protection

8.1 Control parameters

Not information

8.2 Exposure controls

Appropriate engineering controls

Fresh air (open windows and doors) is necessary..

Personal protection equipment

Eye/face protection

Safety glasses

Hand protection

Full contact

Glove material :Nitrile rubber
Glove thickness : 0,11 mm
Break through time : >450 minute

Splash contact

Glove material :Nitrile rubber
Glove thickness : 0,11 mm
Break through time : >450 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 clothes

Respiratory protection

Required when dusts are generated
Remommented filter type : P2

Environmental exposure controls

SECTION 9: Physical and chemical Properties

Information on basic physical and chemical properties

Physical state	Solid
Colour	white
Odour	odourless
Odour threshold	No information
pH value	3,5-5 30 g/l 20 °C
Melting point/freezing point	185 C
Freezing point	No information
Initial boiling point and boiling range	No information

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Flash point	No applicable
Evaporation rate	No information
Flammability (solid, gas)	Not flammable °C
Upper/lower flammability or explosive limits	No applicable
Upper/lower flammability or explosive limits	No applicable
Vapour pressure	No information
Vapour density	No information
Density	No information
Relative density	No information
Water solubility (g/l)	50 g/l 20 C °C
Fat solubility (g/l)	No information °C
Partition coefficient: n-octanol/water	No applicable
Auto-ignition temperature	No information
Decomposition temperature	No information

Viscosity

Kinematic viscosity	No information
Dynamic viscosity	No information
Explosive properties	No classified as explosive
Oxidising properties	None

SECTION 10: Stability and Reactivity

10.1 Reactivity

Section 10.3 to see.

10.2 Chemical stability

hygroscopic.

10.3 Possibility of hazardous reactions

There is danger of explosion with acetic anhydride

10.4 Conditions to avoid

Not information.

10.5 Incompatible materials

Not information..

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 rat : 2660 mg/kg

Acute inhalation toxicity
LC 50 rat >2,03 mg/l ; 4 saat aerosol

Acute dermal toxicity
LD50 sıçan : 2000 mg/kg

Skin irritation
No irritation.

Eye irritation
Slight irritation

CMR effects
May damage the unborn child
May damage fertility

11.2 Additional information

Handle in accordance with good industrial hygiene and safety practice

SECTION 12: Ecological information

12.1 Toxicity

LC 50 : 50-100 mg/l;96 saat

12.2 Persistence and degradability

The methods for determining the biological degradability are not applicable to inorganic

12.3 Bioaccumulative potential

Not information

12.4 Mobility in soil

Not information

12.5 Results of PBT and vPvB assessment

PBT/vPvB assesment not available as chemicals safety assessment not required/not conducted

12.6 Other adverse effects

Discharge into the 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. It was to proceed as their products uncleaned packaging.

SECTION 14: Transport information

Land transport (ADR/RID)

UN number No dangerous good

UN proper shipping name

Transport hazard class(es)

Packing group

Environmental hazards

Special precautions for

Tunnel restriction code

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Inland waterway transport (ADN)

Limited quantity (LQ)

Special Provisions

Category

Air transport (ICAO-TI / IATA-DGR)

UN number No dangerous good

UN proper shipping name

Transport hazard class(es)

Packing group

Environmental hazards

Special precautions for

Sea transport (IMDG)

UN number No dangerous good

UN proper shipping name

Transport hazard class(es)

Packing group

Environmental hazards

Special precautions for

SECTION 15: Regulatory information

Safety, health and environmental regulations/legislation specific for the substance or mixture

Not information

Chemical Safety Assessment

...

SECTION 16: Other information

Relevant R-, H- and EUH-phrases (Number and full text)

H360 May damage fertility or the unborn child.
P201 Obtain special instructions before use.
IF exposed or concerned: Get medical advice/attention.

Prepared the Document

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