

Safety Data Sheet

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



Revision date 30.10.2019

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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.201790
Generic name DIMETYL SULFOXIDE
REACH No.
CAS No. 67-68-5

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

Relevant identified uses Industrial uses. Scientific research and development.
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]

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

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2.2 Label elements

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

Hazard pictograms

Signal word

Hazard Statements

Precautionary Statements

Prevention

Response

Storage

2.3 Other hazards

SECTION 3: Composition/information on ingredients

Substances

Formula

C₂H₆O_S

EC No.

200-664-3

Molar mass

78,13 g/mol

Characteristic

CAS No

EC No

Concentration

Classification

D metil Sulfoxide

67-68-5

200-664-3

>=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

Provide fresh air..

Following skin contact

Subsequently wash off with:.

Following eye contact

Rinse immediately carefully and thoroughly with eye-bath or water..

Following ingestion

Please give up to two glasses of water. Get immediate medical attention..

Most important symptoms and effects, both acute and delayed

Impaired consciousness. Vomiting. Nausea. Headache.

Indication of any immediate medical attention and special treatment needed

Laxative : Sodium sulfate (1 tablespoon 250 ml of water..

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SECTION 5: Firefighting measures

5.1 Extinguishing media

Suitable extinguishing media

Foam. Dry extinguishing powder. Carbon dioxide (CO2).

Unsuitable extinguishing media

Water spray jet.

5.2 Special hazards arising from the substance or mixture

In case of fire may be liberated:.. Flammable. Heavy vapors in the air at the ground surface may occur.. It can create explosive mixtures with air on intense heating. In case of fire hazardous combustion gases or vapors may occur.. Sulphur 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

Collect contaminated fire extinguishing water separately. Do not allow entering drains or surface water..

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.

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.

Measures to prevent fire

Advices on general occupational hygiene

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

No 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 : polychloropen

Glove thickness : 0,65 mm

Break through time : >120 minute

Splash contact :

Glove material : Naturl rubber

Glove thickness : 0,60 mm

Break through time : >120 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

Flame reterdant antistatic protective chlothing

Respiratory protection

Required when vapours are generated
Recommended filter type : A filter

Environmental exposure controls

SECTION 9: Physical and chemical Properties

Information on basic physical and chemical properties

Physical state	Liquid
Colour	colourless
Odour	characteristic
Odour threshold	No information
pH value	No information 0 g/l
Melting point/freezing point	18,5
Freezing point	No information
Initial boiling point and boiling range	189 C

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Flash point	87
Evaporation rate	No information
Flammability (solid, gas)	No information °C
Upper/lower flammability or explosive limits	1,8 %(V)
Upper/lower flammability or explosive limits	63 %(V)
Vapour pressure	1,8 %(V)
Vapour density	No information
Density	1,10 g/cm ³
Relative density	No information
Water solubility (g/l)	1.000 g/l °C
Fat solubility (g/l)	No information °C
Partition coefficient: n-octanol/water	logPow : -1,35 Bioaccumulation is not expected
Auto-ignition temperature	>190 C
Decomposition temperature	No information

Viscosity

Kinematic viscosity	No information
Dynamic viscosity	2,14 mPa.s
Explosive properties	Not classified as explosive
Oxidising properties	No information

SECTION 10: Stability and Reactivity

10.1 Reactivity

Vapours may form explosive mixtures with air.

10.2 Chemical stability

hygroscopic.

10.3 Possibility of hazardous reactions

with explosion risk ; Acid chlorides, chlorates, perchloric acids, nitrates, nitric acid silver compounds...etc

with exothermic reaction risk ; Boron compounds, potassium, sodium, strong oxidizing substances strong acids... etc

10.4 Conditions to avoid

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10.5 Incompatible materials

Various plastics. Various metals.

10.6 Hazardous decomposition products

No known hazardous decomposition products..

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SECTION 11: Toxicological information

11.1 Information on toxicological effects

Acute oral toxicity
LD50 rat : 28.300 mg/kg

Acute dermal toxicity
No information

Skin irritation
Tslightly irritaiton

Eye irritation
slightly irritation

11.2 Additional information

Handle in accordance with good industrial hygiene and safety practice

SECTION 12: Ecological information

12.1 Toxicity

No information

12.2 Persistence and degradability

Self readily biodegradable

12.3 Bioaccumulative potential

Partitient coefficient (n-octanol/water)
logPOW: -1,35
Bioaccumulation is not expected

12.4 Mobility in soil

No information

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. It was to proceed as their products uncleaned packaging.

SECTION 14: Transport information

Land transport (ADR/RID)

UN number

Not 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

Not dangerous good

UN proper shipping name

Transport hazard class(es)

Packing group

Environmental hazards

Special precautions for

Sea transport (IMDG)

UN number

Not 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

Storage class : 10-13

Chemical Safety Assessment

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SECTION 16: Other information

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

Prepared the Document

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