

Safety Data Sheet

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



Revision date 11.11.2019

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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.930129
Generic name m-Cresol
REACH No.
CAS No. 108-39-4

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

Relevant identified uses 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. M
Telephone 0224 243 21 71
E-mail tekkim@tekkim.com.tr
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]

Acute Tox. 3
Acute Tox. 3
Skin Corr. 1B

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

Danger

Hazard Statements

H314 Causes severe skin burns and eye damage.
H301+H311 Toxic if swallowed or in contact with skin

Precautionary Statements

Prevention

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

Response

IF SWALLOWED: rinse mouth. Do NOT induce vomiting.
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 present and easy to do. Continue rinsing.
P308 IF exposed or concerned:
Immediately call a POISON CENTER/doctor/....

Storage

2.3 Other hazards

SECTION 3: Composition/information on ingredients

Substances

Formula 3-(CH₃)C₆H₄OH C₇H₈O (Hill)

EC No. 203-577-9

Molar mass 108,14 g/mol

<u>Characteristic</u>	<u>CAS No</u>	<u>EC No</u>	<u>Concentration</u>	<u>Classification</u>
m-Cresol	108-39-4	203-577-9	(<= 100 %)	;11:H301 + H3114:H314

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

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Most important symptoms and effects, both acute and delayed

Impaired consciousness. . Vomiting. Cough. Headache. Dizziness. Nausea.

Indication of any immediate medical attention and special treatment needed

No information available..

SECTION 5: Firefighting measures

5.1 Extinguishing media

Suitable extinguishing media

Water. Foam. Dry extinguishing powder. Carbon dioxide (CO2). Use extinguishing measures appropriate to the environment..

Unsuitable extinguishing media

Water spray jet.

5.2 Special hazards arising from the substance or mixture

Flammable. It can create explosive mixtures with air on intense heating. In case of fire hazardous combustion gases or vapors may occur..

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.

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

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Advices on general occupational hygiene

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7.2 Conditions for safe storage, including any incompatibilities

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

components
Guidelines Value Threshold limits Notes
m-cresol (108-39-4)
EN MAK Skin description: Can be absorbed through the skin.
Acceptable
maximum
Concentration (MAK)
5 mbp
22 mg / m³
TR OEL 8 hour set
for reference time
measured or calculated
Time weighted average
(TWA):
5 mbp
22 m

8.2 Exposure controls

Appropriate engineering controls

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

Personal protection equipment

Eye/face protection

Güvenlik gözlükleri

Hand protection

Full contact:

Material of gloves: polychloroprene

Glove thickness: 0.65 mm

Puncture time:> 480 minutes

Contact with splash:

Glove material: natural latex

Glove thickness: 0,6 mm

Puncture time:> 60 minutes

The protective gloves to be used comply with the specifications of EC directive 89/686

Other skin protection

Protective chlothing

Respiratory protection

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Respiratory protection
required when vapors / aerosols are formed.
Recommended Filter Type: Filter A- (P3)

Environmental exposure controls

See section 7. Additional information about obligations under the common European environment protection regulations:.

SECTION 9: Physical and chemical Properties

Information on basic physical and chemical properties

Physical state	Liquid
Colour	light yellow
Odour	Phenol
Odour threshold	no information
pH value	about 5 20 g/l 20 °C
Melting point/freezing point	11,5 °C
Freezing point	no information
Initial boiling point and boiling range	203 °C at 1.013 hPa
Flash point	86 °C
Evaporation rate	no information
Flammability (solid, gas)	no information °C
Upper/lower flammability or explosive limits	1,06 %(V)
Upper/lower flammability or explosive limits	1,5 %(V)
Vapour pressure	0,065 hPa at 20 °C
Vapour density	3,74
Density	1,03 g/cm ³ at 20 °C
Relative density	no information
Water solubility (g/l)	23,5 g/l at 20 °C °C
Fat solubility (g/l)	no information °C
Partition coefficient: n-octanol/water	log Pow: 1.96 (experimental) Bioaccumulation is not expected. (IUCLID) log Pow: 1.96 (experimental) Bioaccumulation is not e
Auto-ignition temperature	626 °C
Decomposition temperature	no information

Viscosity

Kinematic viscosity	no information
Dynamic viscosity	no information
Explosive properties	Not classified as explosive.

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Oxidising properties none

SECTION 10: Stability and Reactivity

10.1 Reactivity

Section 10.3 to see.

10.2 Chemical stability

Sensitive to light. No exothermic decomposition at temperatures up to 300 °C..

10.3 Possibility of hazardous reactions

.. may have severe reactions with:
Strong oxidizing agents, Nitric acid, odorous sulfuric acid, chlorosulfonic acid, Alkalines

10.4 Conditions to avoid

.

10.5 Incompatible materials

. Lead oxide. .

10.6 Hazardous decomposition products

No known hazardous decomposition products..

SECTION 11: Toxicological information

11.1 Information on toxicological effects

Acute oral toxicity
LD50 Rat: 242 mg / kg
OECD Test Guideline 401
Absorbation
Symptoms: If swallowed, severe mouth and throat burns cause esophagus and
There is a risk of perforation of the stomach.

11.2 Additional information

Güvenlik ve hijyen kurallarına uygun olarak ta ıyınız.

SECTION 12: Ecological information

12.1 Toxicity

Toxicity to fish
static test LC50 Oncorhynchus mykiss (Rainbow trout): 8.6 mg / l; 96 h
(ECHA)
Toxicity to daphnia and other aquatic invertebrates
flow-through test EC50 Daphnia pulex: > 99.5 mg / l; 48 h
Analytical observation: yes
US-EPA

12.2 Persistence and degradability

Biodegradation
90%; 28 g; aerobic
OECD Test Guideline 301D
Readily biodegradable.
Theoretical oxygen demand (ThOD)
2.520 mg / g

12.3 Bioaccumulative potential

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Partition coefficient (n-octanol / water)
log Pow: 1.96
(experimental)
Bioaccumulation is not expected. (IUCLID)
bioaccumulation
Bioconcentration factor (BCF): 17 - 20
Leuciscus idus (Golden orfe) 0.05 mg / l; 3 g

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

Additional ecology information
Biological effects:
Hazardous to drinking water supplies.
Changes in the characteristic aroma of fish protein.
Disposal 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. It was to proceed as their products uncleaned packaging. Atyk Maddeler.

SECTION 14: Transport information

Land transport (ADR/RID)

UN number	UN 2076
UN proper shipping name	m-Cresol
Transport hazard class(es)	6.1 (8)
Packing group	II
Environmental hazards	--
Special precautions for	yes
Tunnel restriction code	D/E

Inland waterway transport (ADN)

Limited quantity (LQ)

Special Provisions

Category

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Air transport (ICAO-TI / IATA-DGR)

UN number UN 2076
UN proper shipping name m-Cresol
Transport hazard class(es) 6.1 (8)
Packing group II
Environmental hazards --
Special precautions for no

Sea transport (IMDG)

UN number UN 2076
UN proper shipping name m-Cresol
Transport hazard class(es) 6.1 (8)
Packing group II
Environmental hazards yes
Special precautions for yes

SECTION 15: Regulatory information

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

Storage class : 6.1A

Chemical Safety Assessment

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SECTION 16: Other information

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

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P308 IF exposed or concerned:
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Prepared the Document

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