

Safety Data Sheet

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



Revision date 29.10.2019

Print date 29.10.2019

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.201772

Generic name BENZALDEHYDE Extra pure

REACH No.

CAS No. 100-52-7

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

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. 4

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

Safety Data Sheet

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

Article No (user) TK.201772
Generic name BENZALDEHYDE

2.2 Label elements

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

Hazard pictograms



Signal word

Warning

Hazard Statements

H302 Harmful if swallowed.

Precautionary Statements

Prevention

P264 Wash ... thoroughly after handling.

P270 Do no eat, drink or smoke when using this product.

Response

P301+P312 IF SWALLOWED: Call a doctor if you feel unwell.

Storage

2.3 Other hazards

SECTION 3: Composition/information on ingredients

Substances

Formula	C7H6O			
EC No.	202-860-4			
Molar mass	106.13 g/mol			
<u>Characteristic</u>	<u>CAS No</u>	<u>EC No</u>	<u>Concentration</u>	<u>Classification</u>
BENZALDEHYDE	100-52-7	202-860-4	<=100 %	;4:H3024:P2644:P27011:P301 + P312

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	If accidentally swallowed rinse the mouth with plenty of water (only if the person is conscious) and obtain immediate medical attention..

Most important symptoms and effects, both acute and delayed

Safety Data Sheet

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

Article No (user) TK.201772
Generic name BENZALDEHYDE

. Dizziness. Unconsciousness. Headache. Anaesthetic state.

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).

Unsuitable extinguishing media

Water spray jet.

5.2 Special hazards arising from the substance or mixture

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..

5.3 Advice for firefighters

Special protective equipment for firefighters

Wear a self-contained breathing apparatus and chemical protective clothing..

5.4 Additional information

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.. Close drainage channels.Take up with liquid-absorbent material.Clean the affected area.

6.3 Methods and material for containment and cleaning up

Clean contaminated objects and areas thoroughly observing environmental regulations.. Clear contaminated areas thoroughly.. Ventilate 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

Safety Data Sheet

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

Article No (user) TK.201772
Generic name BENZALDEHYDE

Advices on general occupational hygiene

.

7.2 Conditions for safe storage, including any incompatibilities

Technical measures and storage conditions

...

7.3 Specific end uses

.

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 : butyl rubber

Glove thickness : 0,7 mm

Break through time : >480 minute

Splash contact :

Glove material : Latex

Glove thickness : 0,6mm

Break through time : >10 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 vapours are generated

Recommended filter type : A filter

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	transparent
Odour	pungent
Odour threshold	No information

Safety Data Sheet

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

Article No (user) TK.201772
Generic name BENZALDEHYDE

pH value	5,9 1 g/lit de 0 g/l
Melting point/freezing point	-26
Freezing point	No information
Initial boiling point and boiling range	179
Flash point	64
Evaporation rate	No information
Flammability (solid, gas)	No information °C
Upper/lower flammability or explosive limits	1,4 % (V)
Upper/lower flammability or explosive limits	8,5 % (V)
Vapour pressure	1,3 hPa 20 C de
Vapour density	3,66
Density	1,05 g/cm ³
Relative density	No information
Water solubility (g/l)	3,4 g/l 20 C °C
Fat solubility (g/l)	No information °C
Partition coefficient: n-octanol/water	log POW:1,48 (20 C)
Auto-ignition temperature	No information
Decomposition temperature	No information

Viscosity

Kinematic viscosity	No information
Dynamic viscosity	1,39 mPa.s 25 C
Explosive properties	No information
Oxidising properties	No information

SECTION 10: Stability and Reactivity

10.1 Reactivity

Vapours may form explosive mixtures with air.

10.2 Chemical stability

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

10.3 Possibility of hazardous reactions

No information

10.4 Conditions to avoid

In case of warming:.

10.5 Incompatible materials

Aluminium. Rubber, various plastics.

Safety Data Sheet

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

Article No (user) TK.201772
Generic name BENZALDEHYDE

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: 1300 mg/kg

Acute inhalation toxicity
LC 50 rat >3 mg/l ; 4 h

Acute dermal toxicity
LD50 rabbit : 1250 mg/kg

Skin irritation :
Result : Slightly irritation
Eye irritation
Rabbit : irritation

Carcinogenicity
No information

11.2 Additional information

Handle in accordance with good industrial hygiene and safety practice

SECTION 12: Ecological information

12.1 Toxicity

Toxicity to fish
LC 50 Bluegill sunfish : 1,07 mg/l; 96 h

12.2 Persistence and degradability

66 % 14 g
Self readily biodegradable

12.3 Bioaccumulative potential

logPOW : 1,48 (20 C)
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

Safety Data Sheet

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

Article No (user) TK.201772
Generic name BENZALDEHYDE

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 UN 1990
UN proper shipping name BENZALDEHYDE
Transport hazard class(es) 9
Packing group III
Environmental hazards
Special precautions for YES
Tunnel restriction code E

Inland waterway transport (ADN)

Limited quantity (LQ)
Special Provisions
Category

Air transport (ICAO-TI / IATA-DGR)

UN number UN 1990
UN proper shipping name BENZALDEHYDE
Transport hazard class(es) 9
Packing group III
Environmental hazards
Special precautions for HAYIR

Sea transport (IMDG)

UN number UN 1990
UN proper shipping name BENZALDEHYDE
Transport hazard class(es) 9
Packing group III
Environmental hazards YES
Special precautions for YES

SECTION 15: Regulatory information

Safety, health and environmental regulations/legislation specific for the substance or mixture
No information

Chemical Safety Assessment
.....

SECTION 16: Other information

Safety Data Sheet

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

Article No (user) TK.201772
Generic name BENZALDEHYDE

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

H302 Harmful if swallowed.
P264 Wash ... thoroughly after handling.
P270 Do no eat, drink or smoke when using this product.
P301+P312 IF SWALLOWED: Call a doctor if you feel unwell.

Prepared the Document

Name Surname : Gökhan ÖZKAN
Contact Info : 0553 209 14 18
Email Address : gokhan@tekkim.com.tr
Certificate Number: 01.52.05

TEKKİM