

# Safety Data Sheet

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



Revision date 28.10.2019

Print date 28.10.2019

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.930086  
Generic name CHLOROFORM for HPLC&Spectroscopy  
REACH No.  
CAS No. 67-66-3

### 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  
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  
Acute Tox. 3  
Skin Irrit. 2  
Eye Irrit. 2  
Repr. 2  
Specific target organ toxicity (single exposure)  
STOT SE 1

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

H302 Harmful if swallowed.

H315 Causes skin irritation.

H319 Causes serious eye irritation.

H331 Toxic if inhaled.

H351 Suspected of causing cancer.

H361d Suspected of damaging the unborn child.

Precautionary Statements

Prevention

Response

P302+P352 IF ON SKIN: Wash with plenty of soap and water.

P304+P340 IF INHALED: Remove person to fresh air and keep comfortable for breathing.

P305+P351+P338 IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.

P307+P311 IF exposed: Immediately call a POISON CENTER or doctor/physician.

Storage

## 2.3 Other hazards

## SECTION 3: Composition/information on ingredients

### Substances

Formula TK.090260

EC No. 200-663-8

Molar mass 119,38

<u>Characteristic</u>	<u>CAS No</u>	<u>EC No</u>	<u>Concentration</u>	<u>Classification</u>
Chloroform	67-66-3	200-663-8	<=100 %	;4:H3024:H3154:H3194:H3314:H35111:P302 + P35211:P304 + P34018:P305 + P351 + P33811:P307 + P311

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

## SECTION 4: First aid measures

### Description of first aid measures

General information

Following inhalation Remove casualty to fresh air and keep warm and at rest..

Following skin contact Subsequently wash off with:.

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Following eye contact	In case of contact with eyes, rinse immediately thoroughly with plenty of edible oil and consult an ophthalmologist..
Following ingestion	Give sodium sulfate as laxative (1 tablespoon in 1 glas of water) with plenty of activated coal..

### Most important symptoms and effects, both acute and delayed

. Dizziness. Vomiting. Headache. Anaesthetic state. Nausea.

### 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*

Use extinguishing measures appropriate to the environment..

*Unsuitable extinguishing media*

Water spray jet.

### 5.2 Special hazards arising from the substance or mixture

In case of fire may be liberated:.. Hydrogen chloride (HCl). Phosgene. 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

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## 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

Take up with oil-absorbing compound..

### 6.4 Reference to other sections

Disposal: see section 13.

### 6.5 Additional information

Clear spills immediately..

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## SECTION 7: Handling and Storage

### 7.1 Precautions for safe handling

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## *Advices on safe handling*

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

## *Measures to prevent fire*

## *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**

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 : Viton (R)

Glove thickness : 0,7 mm

Break through time : >240 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

Koruyucu kıyafet

##### Respiratory protection

Required when vapours are generated

Recommended filter type : AX Filter

#### **Environmental exposure controls**

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

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## **SECTION 9: Physical and chemical Properties**

### **Information on basic physical and chemical properties**

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Physical state	Liquid
Colour	transparent
Odour	
Odour threshold	85-200,50 mbp
pH value	No information 0 g/l
Melting point/freezing point	-63
Freezing point	
Initial boiling point and boiling range	61 C
Flash point	No information
Evaporation rate	No information
Flammability (solid, gas)	No information °C
Upper/lower flammability or explosive limits	Not applicable
Upper/lower flammability or explosive limits	Not applicable
Vapour pressure	4,25
Vapour density	
Density	
Relative density	
Water solubility (g/l)	9 g / l 20 C °C
Fat solubility (g/l)	°C
Partition coefficient: n-octanol/water	log POW : 2 Bioacumulation is not expected
Auto-ignition temperature	No information
Decomposition temperature	No information
<b>Viscosity</b>	
Kinematic viscosity	No information
Dynamic viscosity	0,58 mPa.s
Explosive properties	Not classified as explosive
Oxidising properties	None

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## SECTION 10: Stability and Reactivity

### 10.1 Reactivity

### 10.2 Chemical stability

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

### 10.3 Possibility of hazardous reactions

No information

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## 10.4 Conditions to avoid

Not information.

## 10.5 Incompatible materials

Rubber, various plastics.

## 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 : 690 mg/kg

LDLO human :2500 mg / kg

Symptoms : Nausea, vomiting

Acute inhalation toxicity

Symptoms : cough , weakness

Acute dermal toxicity :

LD 50 rat : > 3900 mg/kg

absorbtion

Skin irritation:

Rabbit : slightly irritation

Eye irritation

Rabbit : slightly irritation

### 11.2 Additional information

Handle in accordance with good industrial hygiene and safety practice

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## SECTION 12: Ecological information

### 12.1 Toxicity

LC50 bluegill Sun fish : 17 mg/l<sub>t</sub> ; 96 hour

### 12.2 Persistence and degradability

No information

### 12.3 Bioaccumulative potential

logPOW : 2

Bioaccumulation isnot 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

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## 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. It was to proceed as their products uncleaned packaging.

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## SECTION 14: Transport information

### Land transport (ADR/RID)

**UN number** UN 1888  
**UN proper shipping name** CHLOROFORM  
**Transport hazard class(es)** 6.1  
**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 1888  
**UN proper shipping name** CHLOROFORM  
**Transport hazard class(es)** 6.1  
**Packing group** III  
**Environmental hazards**  
**Special precautions for** NO

### Sea transport (IMDG)

**UN number** UN 1888  
**UN proper shipping name** CHLOROFORM  
**Transport hazard class(es)** 6.1  
**Packing group** III  
**Environmental hazards** YES  
**Special precautions for** YES

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## SECTION 15: Regulatory information

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

Storage class : 6.1 B

**Chemical Safety Assessment**

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## SECTION 16: Other information

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

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P307+P311 IF exposed: Immediately call a POISON CENTER or doctor/physician.

## Prepared the Document

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