

Safety Data Sheet

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

Revision Date: 24.11.2022 Version 2

TEKKİM

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

1.1 Product identifier

Catalog No. TK.930134.00000
Product Name Formamide
Cas no 75-12-7

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

1.2.1. Relevant identified uses

Use as a laboratory reagent.

1.2.2. Uses advised against

No information available.

1.3. Details of the supplier of the safety data sheet

Name TEKKİM KİMYA SAN. TİC. LTD. ŞTİ.
Street ORGANİZE SAN. BÖL. MAVİ CAD. 8. SOK. NO :1 NİLÜFER / BURSA
Telephone 0224 243 21 71
E-mail erhan@tekkim.com.tr
Company Representative Erhan DİLER

1.4 Emergency Telephone Number +90 506 990 36 86

SECTION 2: Hazards identification

2.1 Classification of the substance or mixture

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

Carcinogenicity, Category 2

Reproductive toxicity, Category 1B

Specific Target Organ Toxicity – Repeated Exposure, Oral, Category 2, Blood

For the full text of the H and EUH statements referred to in this section, see section 16.

2.2 Label elements

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

Hazard pictograms



Signal word (SEA)

DANGER

Hazard Statements (SEA)

H351 Suspected of causing cancer.

H360 May damage fertility or the unborn child.

H373 May cause damage to organs through prolonged or repeated exposure. (Blood)

Precautionary Statements (SEA)

Prevention

P201 Read special instructions before use.

P202 Do not handle until all precautionary statements have been read and understood.

P260 Do not breathe dust/fume/gas/mist/vapours/spray.

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

Intervention


P308+P313 IF exposed and concerned: Get medical advice/attention.

P405 Store locked up.

SECTION 3: Composition/information on ingredients



Tekkim is accredited to
ISO 9001:2015 and ISO 14001:2015

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

3.1 Maddeler

| | |
|---------------|-------------|
| EC No | 200-842-0 |
| Molar mass | 45.04 g/mol |
| Cas No | 75-12-7 |
| Concentration | (<= 100 %) |

SECTION 4: First aid measures

4.1 Description of first aid measures

| | |
|-------------------------------|--|
| <i>General information</i> | In case of accident or unwellness, seek medical advice immediately (show directions for use or safety data sheet if possible). |
| <i>Following inhalation</i> | Remove casualty to fresh air and keep warm and at rest.. |
| <i>Following skin contact</i> | Wash with plenty of water. Take off contaminated clothing. |
| <i>Following eye contact</i> | In case of contact with eyes, rinse immediately with plenty of water and consult an ophthalmologist. |
| <i>Following ingestion</i> | Give up to two glasses of water. Get medical help immediately. |

4.2 Most important symptoms and effects, both acute and delayed

The most important known symptoms and effects are described in the labelling

4.3 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

There is no restriction for this item.

5.2 Special hazards arising from the substance or mixture

Carbon oxides. Nitrogen oxides (NOx). Flammable. Fire may cause evolution of: Hydrogen cyanide, nitrogen oxides, ammonia. Heavy-than-air vapors may form on the floor surface. Forms explosive mixtures with air at intense temperatures. In case of fire, dangerous flammable gases or vapors may develop.

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



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Clear spills immediately.

SECTION 7: Handling and Storage

7.1 Precautions for safe handling

Advices on safe handling

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

Advices on general occupational hygiene

Change contaminated clothing. Wash hands after working with substance. It is recommended to use a skin protection cream.

7.2 Conditions for safe storage, including any incompatibilities

Storage conditions

Keep container tightly closed in dry and well-ventilated places.

7.3 Specific end uses

There are no other specific uses other than those mentioned in section 1.2.

SECTION 8: Exposure controls / personal protection

8.1 Control parameters

Contains no substances with occupational exposure limit values.

8.2 Exposure controls

Appropriate engineering controls

More attention should be paid to technical measures against the use of personal protective equipment.

Personal protection equipment

Eye/face protection

Safety glasses

Hand protection

Hand protection

in full contact

Glove material : Latex gloves

Glove thickness: 0.60 mm

Absorption time: > 480 minutes

In contact with splash

Glove material : Nitrile rubber

Glove thickness: 0.11 mm

Absorption time: > 240 minutes

The gloves to be used must comply with the specifications of EC directive 89/686/EEC and the resulting standard EN374.

Other skin protection

Protective clothing.

Respiratory protection

Required when vapors/aerosols are generated.


Recommended Filter type: Filter A (according to DIN 3181), for vapors of organic compounds

SECTION 9: Physical and chemical Properties

9.1 Information on basic physical and chemical properties



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| | |
|--|---|
| Physical state | Liquid |
| Colour | Colorless |
| Odour | Characteristic |
| Odour threshold | No information. |
| pH value | 4,0 - 10,0 200 g/l 20 °C |
| Melting point/freezing point | 2,5 °C |
| Freezing point | No information. |
| Initial boiling point and boiling range | 215 °C |
| Flash point | 155 °C |
| Evaporation rate | No information. |
| Flammability (solid, gas) | > 500 °C |
| Upper/lower flammability or explosive limits | 2,7 %(V) |
| Upper/lower flammability or explosive limits | 19 %(V) |
| Vapour pressure | 0,08 hPa 20°C |
| Vapour density | 1,56 |
| Density | 1,13 g/cm ³ 20°C |
| Relative density | No information. |
| Water solubility (g/l) | Soluble. |
| Fat solubility (g/l) | No information. |
| Partition coefficient: n-octanol/water | log Pow: -0,82 25 °C - Bioaccumulation is not expected. |
| Auto-ignition temperature | No information. |
| Decomposition temperature | > 180 °C |
| Viscosity | |
| Kinematic viscosity | No information. |
| Dynamic viscosity | 3,76 mPa.s 20 °C |
| Explosive properties | Not classified as explosive. |
| Oxidising properties | none |

SECTION 10: Stability and Reactivity

10.1 Reactivity

Forms explosive mixtures with air at intense temperatures.

10.2 Chemical stability

The product is stable under storage at normal ambient temperatures.

10.3 Possibility of hazardous reactions

Oxidizing agents can react exothermically with bases.

10.4 Conditions to avoid

Heat. Strong heating.

10.5 Incompatible materials

No information available.

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 Oral - Rat - male and female - 5.325 mg/kg
(OECD Testing Guide 401)

Acute respiratory toxicity
LC50 Inhalation - Rat - male - 4 h - > 21 mg/l
(OECD Testing Guide 403)

Acute dermal toxicity
LD50 Dermal - Rat - male and female - > 3,000 mg/kg
(ECHA)

Serious eye damage/eye irritation
Eyes - Rabbit
Result: slight irritation
(OECD Testing Guide 405)

Reproductive toxicity
May cause damage to the unborn child.

Specific Target Organ Toxicity – Repeated exposure
Oral - May cause damage to organs through prolonged or repeated exposure. - blood

11.2 Additional information

Handle in accordance with good industrial hygiene and safety practice

SECTION 12: Ecological information

12.1 Toxicity

Toxicity to fish
static test LC50 - Leuciscus idus (Golden orpheus) - 6.569 mg/l - 96 h
(DIN 38412)

Toxicity to daphnia and other aquatic invertebrates
static test EC50 - Daphnia magna (Water flea) - > 500 mg/l - 48 h

Toxicity to algae (algae)
static test ErC50 - Desmodesmus subspicatus (green algae) - > 500 mg/l - 96 h
(DIN 38412)

Toxicity to bacteria
static test EC50 - activated sludge - > 1.000 mg/l - 30 min
(OECD Testing Guide 209)

12.2 Persistence and degradability

Biodegradability
oxygenated (aerobic) - Exposure time 28 d
Result: 99% - Easily degradable.
(OECD Testing Guide 301 A)

12.3 Bioaccumulative potential

No information available.

12.4 Mobility in soil

No information available.

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



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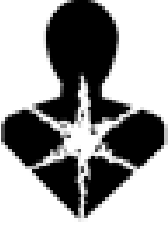
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It must be disposed of in accordance with national and local regulations. Do not mix with other products. Uncleaned Treat packages as if it were the product itself ... Waste materials must be disposed of in accordance with national and local regulations.

SECTION 14: Transport information

| ADR | IMDG | IATA | ADN | RID |
|---|--|--|--|--|
| 14.1 UN number | -- | -- | -- | -- |
| 14.2 UN proper shipping name | -- | -- | -- | -- |
| It is not classified as dangerous goods. | It is not classified as dangerous goods. | It is not classified as dangerous goods. | It is not classified as dangerous goods. | It is not classified as dangerous goods. |
| 14.3 Transport hazard class(es) | -- | -- | -- | -- |
|  | -- | -- | -- | -- |
| 14.4 Packing group | -- | -- | -- | -- |
| 14.5 Environmental hazards | NO | NO | NO | NO |
| No information available. | No information available. | No information available. | No information available. | No information available. |

14.6 Special Precautions for User:

No information available.

SECTION 15: Regulatory information

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

This product safety data sheet complies with the requirements of EU Regulation 1907/2006.

15.2 Chemical Safety Assessment

A Chemical Safety Assessment has not been conducted for this substance.

SECTION 16: Other informations

Full text of H statements

H351 Suspected of causing cancer.

H360 May damage fertility or the unborn child.

H373 May cause damage to organs through prolonged or repeated exposure. (Blood)

Person Who Prepared the Safety Data Sheet:

Name:

Erhan DİLER

Certificate Number and Date:


11.29.03 & 11 Şubat 2020

Communication information:

05069903686



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