

Safety Data Sheet

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

Revision Date: 27.10.2022 Version 2

TEKKİM

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

1.1 Product identifier

Catalog No. TK.930156.00000
Product Name Triton X-100
Cas no 9036-19-5

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)

Acute toxicity, Oral, Category 4
Skin irritation, Category 2
Serious eye damage, Category 1
Short term (acute) aquatic hazard, Category 1
Long (chronic) aquatic hazard, Category 1

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)

H302 Harmful if swallowed.
H315 Causes skin irritation.
H318 Causes serious eye damage.
H410 Very toxic to aquatic life with long lasting effects.

Precautionary Statements (SEA)



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ISO 9001:2015 and ISO 14001:2015

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+90 224 243 21 71 (pbx) | Fax: +90 224 242 97 66

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Prevention

- P264 Wash skin thoroughly after handling.
P273 Avoid release to the environment.
P280 Wear protective gloves/protective clothing/eye protection/face protection.

Intervention

- P301+P312 IF SWALLOWED: Call 114 POISON CENTER or doctor/physician if you feel unwell.
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 fitted and easy to do. Continue rinsing.

SECTION 3: Composition/information on ingredients

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

3.1 Maddeler

| | |
|---------------|-------------|
| EC No | -- |
| Molar mass | -- |
| Cas No | 9036-19-5 |
| 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> | Provide fresh air.. |
| <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

Flammable. 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



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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.

Advices on general occupational hygiene

Change contaminated clothing. Wash hands after working with substance.

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

Fully fitting safety glasses

Hand protection

Hand protection

in full contact

Glove material : butyl rubber

Glove thickness: 0.7 mm

Absorption time: > 480 minutes

In contact with splash

Glove material : butyl rubber

Glove thickness: 0.7 mm


Absorption time: > 480 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



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Protective clothing.

Respiratory protection

Required when vapors/aerosols are generated.

Recommended Filter type: Filter A-(P2)

SECTION 9: Physical and chemical Properties

9.1 Information on basic physical and chemical properties

| | |
|--|---|
| Physical state | Liquid |
| Colour | Colorless |
| Odour | Characteristic |
| Odour threshold | No information. |
| pH value | 5,0 - 8,0 10 g/l 20 °C |
| Melting point/freezing point | No information. |
| Freezing point | 6 °C |
| Initial boiling point and boiling range | > 200 °C |
| Flash point | 250 °C |
| Evaporation rate | No information. |
| Flammability (solid, gas) | No information. |
| Upper/lower flammability or explosive limits | No information. |
| Upper/lower flammability or explosive limits | No information. |
| Vapour pressure | < 0,01 hPa 20 °C |
| Vapour density | No information. |
| Density | 1,07 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: 2,7 20 °C - Bioaccumulation is not expected. |
| Auto-ignition temperature | No information. |
| Decomposition temperature | No information. |
| Viscosity | |
| Kinematic viscosity | No information. |
| Dynamic viscosity | No information. |
| 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

Violent reactions possible with strong oxidizing agents, strong acids.

10.4 Conditions to avoid

Powerful 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 - 1,900 - 5,000 mg/kg

Acute dermal toxicity
LD50 Dermal - Rabbit - > 3,000 mg/kg

Skin corrosion/irritation
Mixture causes skin irritation.

Serious eye damage/eye irritation
Mixture causes serious eye injury.

11.2 Additional information

Handle in accordance with good industrial hygiene and safety practice

SECTION 12: Ecological information

12.1 Toxicity

Toxicity to fish
semi-static test LC50 - Leuciscus idus (Golden orpheus) - 0.26 mg/l - 96 h
(OECD Testing Guide 203)

Toxicity to daphnia and other aquatic invertebrates
static test EC50 - Daphnia magna (Water flea) - 0.011 mg/l - 48 h
(ECOTOX Database)

Toxicity to algae (algae)
static test EC50 - Pseudokirchneriella subcapitata (green algae) - 1.9 mg/l - 96 h
(ECHA)

12.2 Persistence and degradability

No information available.

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

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 UN 3082 | UN 3082 | UN 3082 | UN 3082 | UN 3082 |
| 14.2 UN proper shipping name ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S.(Triton X-100) | ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S.(Triton X-100) | ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S.(Triton X-100) | ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S.(Triton X-100) | ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S.(Triton X-100) |
| 14.3 Transport hazard class(es) 9 | 9 | 9 | 9 | 9 |



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14.4 Packing group

III

III

III

III

III

14.5 Environmental hazards

YES

YES

YES

YES

YES

Packages less than 5 kg/l or equivalent, non-hazardous goods of Class 9

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14.6 Special Precautions for User:

Packages less than 5 kg/l or equivalent, non-hazardous goods of Class 9

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

H302 Harmful if swallowed.

H315 Causes skin irritation.

H318 Causes serious eye damage.

H410 Very toxic to aquatic life with long lasting effects.

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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