

Safety Data Sheet

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



Revision date 24.10.2019

Print date 24.10.2019

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.930132

Generic name Diphenylamine (Redox indicator)

REACH No.

CAS No. 122-39-4

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. ŞTİ.

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

Acute Tox. 3 (vapour)

Specific target organ toxicity (repeated exposure)

Aquatic Acute 1

Aquatic Chronic 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

Hazard Statements

H301+H311+H331 Toxic if swallowed, in contact with skin or if inhaled
H373 May damage to organs through prolonged or repeated exposure
May cause long lasting harmful effects to aquatic life.

Precautionary Statements

Prevention

P273 Avoid release to the environment.
P280 Wear protective gloves/protective clothing/eye protection/face protection.

Response

P302+P352 IF ON SKIN: Wash with plenty of soap and water.
P304+P341 IF INHALED: If breathing is difficult, remove victim to fresh air and keep at rest in a position comfortable for breathing.
P308 IF exposed or concerned:
Immediately call a POISON CENTER/doctor/....

Storage

2.3 Other hazards

SECTION 3: Composition/information on ingredients

Substances

Formula (C₆H₅)₂NH C₁₂H₁₁N (Hill)
EC No. 204-539-4
Molar mass 169,23 g/mol

<u>Characteristic</u>	<u>CAS No</u>	<u>EC No</u>	<u>Concentration</u>	<u>Classification</u>
Diphenylamine (Redox indicator)	122-39-4	204-539-4		;18:H301 + H311 + H3314:H3734:H4004:H410

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..

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

Most important symptoms and effects, both acute and delayed

Allergic reactions. Dyspnoea. Cough.

Cyanosis (blue coloured blood). Blood pressure drop.

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

In case of fire may be liberated: Flammable. Heavy vapors in the air at the ground surface may occur.. It can create explosive mixtures with air on intense heating. Nitrogen oxide.

5.3 Advice for firefighters

Special protective equipment for firefighters

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 dust. 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

Contains no substances with occupational exposure limit values

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 : Nitrile rubber

Glove thickness : 0,11 mm

Break through time : >480 minute

Splash contact :

Glove material : Nitrile rubber

Glove thickness : 0,11 mm

Break through time : >480 minute

The protective gloves to be used must comply with the specifica

Other skin protection

Protective chlothing

Respiratory protection

Filter P 3 for solid and liquid particles of toxic and very toxic elements (according to DIN 3181)

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 Solid:

Colour light yellow

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Odour	characteristic
Odour threshold	no information
pH value	0 g/l
Melting point/freezing point	53 - 54 °C
Freezing point	no information
Initial boiling point and boiling range	302 °C at 1.013 hPa
Flash point	153 °C Metod :DIN 51758 (08/200
Evaporation rate	about 0,0003 hPa 20 °C
Flammability (solid, gas)	no information °C
Upper/lower flammability or explosive limits	no information
Upper/lower flammability or explosive limits	no information
Vapour pressure	no information
Vapour density	no information
Density	1,16 g/cm3 at 20 °C
Relative density	
Water solubility (g/l)	about 0.05 g / 25 °C
Fat solubility (g/l)	no information °C
Partition coefficient: n-octanol/water	log Pow: 3.5 (experimental) Bioaccumulation is not expected
Auto-ignition temperature	about 630 °C Metod :DIN 51794.
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

Vapours may form explosive mixtures with air. Section 10.3 to see. There is a risk of dust explosion..

10.2 Chemical stability

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

10.3 Possibility of hazardous reactions

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Severe reactions with:
Oxidizing agents, Strong acids

10.4 Conditions to avoid

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10.5 Incompatible materials

Not information..

10.6 Hazardous decomposition products

No known hazardous decomposition products..

SECTION 11: Toxicological information

11.1 Information on toxicological effects

Acute oral toxicity
No information

Skin irritation
Not irritation

Eye irritation
Not irritation

11.2 Additional information

Handle in accordance with good industrial hygiene and safety practice

SECTION 12: Ecological information

12.1 Toxicity

Toxicity to fish
LC50 *Oryzias latipes* (Orange-red killer fish (used for mosquito control): 2.2 mg / l; 48 h (IUCLID)

12.2 Persistence and degradability

Biodegradation
0%; 14 g
OECD Test Guideline 301C (IUCLID)
Not readily soluble in nature.

12.3 Bioaccumulative potential

Partition coefficient (n-octanol / water)
log Pow: 3.5 (experimental)
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

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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 3077
UN proper shipping name ENVIRONMENTALLY HAZARDOUS SUBSTANCE, SOLID
Transport hazard class(es) 9
Packing group III
Environmental hazards yes
Special precautions for yes
Tunnel restriction code

Inland waterway transport (ADN)

Limited quantity (LQ)

Special Provisions

Category

Air transport (ICAO-TI / IATA-DGR)

UN number UN 3077
UN proper shipping name ENVIRONMENTALLY HAZARDOUS SUBSTANCE, SOLID
Transport hazard class(es) 9
Packing group III
Environmental hazards yes
Special precautions for no

Sea transport (IMDG)

UN number UN 3077
UN proper shipping name ENVIRONMENTALLY HAZARDOUS SUBSTANCE, SOLID
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

Storage class : 6.1C

Chemical Safety Assessment

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SECTION 16: Other information

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

H301+H311+H331 Toxic if swallowed, in contact with skin or if inhaled
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Prepared the Document

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