Safety Data Sheet

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

Revision date	29.03.2024	
Print date	29.03.2024	Version 1

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	GK52015.1000
Generic name	METYLENE BLUE USP Pharma Grade
REACH No.	
CAS No.	61-73-4

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

Relevant identified uses	Pharma grade
Use of the substance / mixture	
Uses advised against	

Details of the supplier of the safety data sheet

Name	GÜNDÜZ CHEMICAL KİMYASAL ÇÖZÜMLER SAN. TİC. LTD. ŞTİ.
Address	Çamlık mah. Gönülden sok. No: 29A 34774 Ümraniye/İSTANBUL
Telephone	+90 542 205 1080
E-mail	info@gunduzkimya.com.tr

Emergency Telephone Number

SECTION 2: Hazards identification

Classification of the substance or mixture

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

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

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

Response

Storage

2.3 Other hazards

SECTION 3: Composition/information on ingredients

Substances

Formula $C_{16}H_{18}ClN_3S$ * x H_2O x: 2-3

Molar mass 319,86 g/mol

Characteristic	CAS No	EC No	Concentration	Classification
Metylene Blue	61-73-4		> 98%	

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	Provide fresh air..
Following skin contact	Subsequently wash off with:.
Following eye contact	Rinse immediately carefully and thoroughly with eye-bath or water..
Following ingestion	Please give up to two glassesof water. Get immediate medical attention..

Most important symptoms and effects, both acute and delayed

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. In case of fire hazardous combustion gases or vapors may occur.. Sulphur oxides. Nitrogen oxide.

5.3 Advice for firefighters

Special protective equipment for firefighters

In case of fire: Wear self-contained breathing apparatus..

5.4 Additional information

Collect contaminated fire extinguishing water separately. Do not allow entering drains or surface water..

SECTION 6: Accidental release measures

6.1 Personal precautions, protective equipment and emergency procedures

Use personal protection equipment..

6.2 Environmental precautions

Do not allow to enter into surface water or drains..

6.3 Methods and material for containment and cleaning up

Take up carefully when dry.. Avoid generation of dust.. Clear contaminated areas thoroughly..

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

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 : 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 specifications of directive 89/686/EEC and the related standart EN374

Other skin protection

Protective chlothing

Respiratory protection

Required when dusts are generated
Recommented filter type : P1 filter

Environmental exposure controls

SECTION 9: Physical and chemical Properties

Information on basic physical and chemical properties

Physical state	Solid
Colour	brown
Odour	odourless
Odour threshold	Not applicable
pH value	5 10 g/l 20 °C
Melting point/freezing point	No information
Freezing point	No information
Initial boiling point and boiling range	No information
Flash point	No information

Evaporation rate	No information
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	No information
Relative density	No information
Water solubility (g/l)	70 g/l °C
Fat solubility (g/l)	No information °C
Partition coefficient: n-octanol/water	No information
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	No information

SECTION 10: Stability and Reactivity

10.1 Reactivity

There is a risk of dust explosion..

10.2 Chemical stability

The product is chemically stable under recommended conditions of storage, use and temperature..

10.3 Possibility of hazardous reactions

Violent reaction rish with ; strong oxidizing subtances

10.4 Conditions to avoid

Not information.

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
LD50 rat: 5.000 mg/kg

Acute oral toxicity
No information

Skin irritation
No information

Eye irritation
No information

11.2 Additional information

Handle in accordance with good industrial hygiene and safety practice

SECTION 12: Ecological information

12.1 Toxicity

No information

12.2 Persistence and degradability

No information

12.3 Bioaccumulative potential

No information

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

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	Not dangerous good
UN proper shipping name	
Transport hazard class(es)	
Packing group	
Environmental hazards	
Special precautions for	
Tunnel restriction code	

Inland waterway transport (ADN)

Limited quantity (LQ)

Special Provisions

Category

Air transport (ICAO-TI / IATA-DGR)

UN number	Not dangerous good
UN proper shipping name	
Transport hazard class(es)	
Packing group	
Environmental hazards	
Special precautions for	

Sea transport (IMDG)

UN number	Not dangerous good
UN proper shipping name	
Transport hazard class(es)	
Packing group	
Environmental hazards	
Special precautions for	

SECTION 15: Regulatory information

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

Storage class : 10-13

Chemical Safety Assessment

. . . . . .

SECTION 16: Other information

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

H302 Harmful if swallowed.