

Trade name: Methylenblau-Eosin für May-Grünwald

Substance number: 181955

Version: 1 / CH

Date revised: 25.05.2016

Replaces Version: - / CH

Print date: 25.05.16

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

1.1. Product identifier

Methylenblau-Eosin für May-Grünwald
Item No. 18195500

1.3. Details of the supplier of the safety data sheet

Address

Hänseler AG
Industriestrasse 35
9101 Herisau
Telephone no. 0041 (0)71 353 58 58
E-mail address of person responsible for this SDS sdb@haenseler.ch

1.4. Emergency telephone number

Switzerland :145 / Abroad +41 (0)44 251 51 51

SECTION 2: Hazards identification

2.1. Classification of the substance or mixture

Classification (Regulation (EC) No. 1272/2008)

Classification (Regulation (EC) No. 1272/2008)
Eye Irrit. 2 H319

The product is classified and labelled in accordance with Regulation (EC) No 1272/2008
For explanation of abbreviations see section 16.

2.2. Label elements

Labelling according to regulation (EC) No 1272/2008

Hazard pictograms



Signal word

Warning

Hazard statements

H319 Causes serious eye irritation.
H302 Harmful if swallowed.

Precautionary statements

P264.1 Wash hands thoroughly after handling.
P280 Wear protective gloves/protective clothing/eye protection/face protection.
P305+P351+P338 IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.
P337+P313 If eye irritation persists: Get medical advice/attention.

SECTION 3: Composition/information on ingredients

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3.2. Mixtures

Hazardous ingredients (Regulation (EC) No. 1272/2008)

disodium 2-(2,4,5,7-tetrabromo-6-oxido-3-oxoxanthen-9-yl)benzoate

CAS No.	17372-87-1			
EINECS no.	241-409-6			
Concentration	>= 50			%
Classification (Regulation (EC) No. 1272/2008)	Eye Irrit. 2	H319		

methylthioninium chloride

CAS No.	61-73-4			
EINECS no.	200-515-2			
Concentration	>= 50	< 58		%
Classification (Regulation (EC) No. 1272/2008)	Acute Tox. 4	H302		

SECTION 4: First aid measures

4.1. Description of first aid measures

After inhalation

Ensure supply of fresh air.

After skin contact

After contact with skin, wash immediately with plenty of water. Remove contaminated clothing.

After eye contact

In case of contact with eyes rinse thoroughly with plenty of water and seek medical advice.

After ingestion

Rinse out mouth and give plenty of water to drink. Take medical treatment.

4.2. Most important symptoms and effects, both acute and delayed

Shortness of breath, Abdominal pains, Dizziness, Nausea, Vomiting, Causes very strong irritations of the eyes, skin and mucous membranes.

4.3. Indication of any immediate medical attention and special treatment needed

Hints for the physician / treatment

Treat symptomatically

SECTION 5: Firefighting measures

5.1. Extinguishing media

Suitable extinguishing media

recommended: alcohol resistant foam, CO₂, powders, water spray/mist

Non suitable extinguishing media

not applicable

5.2. Special hazards arising from the substance or mixture

The product is combustible. In the event of fire the following can be released: Nitrogen oxides (NO_x); Sulfuroxides (SO_x); Hydrogen chloride gas; Hydrogen bromide (HBr)

5.3. Advice for firefighters

Special protective equipment for fire-fighting

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Use self-contained breathing apparatus. Wear protective clothing.

Other information

Suppress vapours with water spray jet. Collect contaminated fire-fighting water separately, must not be discharged into the drains.

SECTION 6: Accidental release measures**6.1. Personal precautions, protective equipment and emergency procedures**

Refer to protective measures listed in sections 7 and 8. Do not inhale dust. Ensure adequate ventilation. Remove persons to safety.

6.2. Environmental precautions

Do not empty into drains, caverns and basements.

6.3. Methods and material for containment and cleaning up

To pick up dry. When picked up, treat material as prescribed under Section 13 "Disposal". Clean up affected area. Avoid raising dust.

6.4. Reference to other sections

Information regarding Safe handling, see Section 7. Information regarding personal protective measures, see Section 8. Information regarding waste disposal, see Section 13.

SECTION 7: Handling and storage**7.1. Precautions for safe handling****Advice on safe handling**

Avoid contact with skin, eyes and clothing.

7.2. Conditions for safe storage, including any incompatibilities**Recommended storage temperature**

Value	5	30	°C
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Requirements for storage rooms and vessels

Keep container tightly closed and dry.

7.3. Specific end use(s)

In Vitro Diagnostic Medical Device; Reagent for analyses

SECTION 8: Exposure controls/personal protection**8.1. Control parameters****Other information**

Contains no substances with occupational exposure limit values.

8.2. Exposure controls**General protective and hygiene measures**

Preventative skin protection. Remove contaminated, soaked clothing immediately and dispose of safely. Wash hands and face after work.

Respiratory protection

Use breathing apparatus in dust-laden atmosphere. Particle filter P1

Hand protection

The instructions and information provided by the glove manufacturer on use, storage, maintenance and replacement must be followed.

Use	Short-term hand contact
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Appropriate Material	nitrile rubber - NBR
Material thickness	0.11 mm
Breakthrough time	> 480 min
Use	Permanent hand contact
Appropriate Material	nitrile rubber - NBR
Material thickness	0.11 mm
Breakthrough time	> 480 min

Eye protection

Safety glasses with side protection shield

Body protection

Protective clothing

SECTION 9: Physical and chemical properties**9.1. Information on basic physical and chemical properties**

Form	solid
Colour	dark green
Odour	odourless
Odour threshold	
Remarks	No data available
pH value	
Remarks	No data available
Melting point	
Remarks	No data available
Initial boiling point and boiling range	
Remarks	No data available
Flash point	
Remarks	Not applicable
Evaporation rate	
Remarks	No data available
Flammability (solid, gas)	
Remarks	No data available
Upper/lower flammability or explosive limits	
Remarks	No data available
Vapour pressure	
Remarks	No data available
Vapour density	
Remarks	No data available
Density	
Remarks	No data available
Solubility in water	
Temperature	20 °C
Remarks	Difficult to dissolve
Partition coefficient: n-octanol/water	
Remarks	No data available
Auto-ignition temperature	
Remarks	No data available

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Viscosity

Remarks No data available

Explosive properties

evaluation No data available

Oxidising properties

Remarks Not applicable

9.2. Other information**Bulk density**Value 530 kg/m³**SECTION 10: Stability and reactivity****10.1. Reactivity**

Danger of dust explosion

10.2. Chemical stability

No decomposition if stored and applied as directed.

10.3. Possibility of hazardous reactions

To avoid thermal decomposition, do not overheat.

10.5. Incompatible materials

No hazardous reactions when stored and handled according to prescribed instructions.

10.6. Hazardous decomposition products

No hazardous decomposition products known.

SECTION 11: Toxicological information**11.1. Information on toxicological effects****Acute oral toxicity**

ATE	2'360	mg/kg
Method	calculated value (Regulation (EC) No. 1272/2008)	

Acute oral toxicity (Components)**disodium 2-(2,4,5,7-tetrabromo-6-oxido-3-oxoxanthen-9-yl)benzoate**

Species	rat	
LD50	> 2000	mg/kg

methylthioninium chloride

Species	rat	
LD50	1180	mg/kg
Remarks	anhydrous	
Source	RTECS	

Carcinogenicity (Components)**disodium 2-(2,4,5,7-tetrabromo-6-oxido-3-oxoxanthen-9-yl)benzoate**

evaluation	Indications of possible carcinogenic effects in animal studies are available.
Source	RTECS
Source	IARC: 3-Group 3: Not classifiable as its carcinogenicity to humans.

SECTION 12: Ecological information**12.1. Toxicity**

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Fish toxicity (Components)**disodium 2-(2,4,5,7-tetrabromo-6-oxido-3-oxoxanthen-9-yl)benzoate**

Species	Oryzias latipes	
LC50	1200	mg/l
Duration of exposure	48	h
Source	Sigma/Aldrich	

methylthioninium chloride

Species	Fathead minnow (Pimephales promelas)	
LC50	45	mg/l

Daphnia toxicity (Components)**methylthioninium chloride**

Species	Daphnia magna	
EC50	2260	mg/l
Duration of exposure	48	h

12.3. Bioaccumulative potential**Partition coefficient: n-octanol/water**

Remarks No data available

Octanol/water partition coefficient (log Pow) (Components)**methylthioninium chloride**

log Pow	5.85
Method	calculated
Source	Literature value

SECTION 13: Disposal considerations**13.1. Waste treatment methods****Disposal recommendations for the product**

Disposal in compliance with local and national regulations.

Disposal recommendations for packaging

Dispose of as unused product.

SECTION 14: Transport information**Land transport ADR/RID**

Non-dangerous goods

Marine transport IMDG/GGVSee

The product does not constitute a hazardous substance in sea transport.

Air transport ICAO/IATA

The product does not constitute a hazardous substance in air transport.

SECTION 15: Regulatory information**15.1. Safety, health and environmental regulations/legislation specific for the substance or mixture****Water Hazard Class (Germany)**

Water Hazard Class (Germany)	WGK 3
Remarks	Classification according to Annex 4 VwVwS

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15.2. Chemical safety assessment

For this substance a chemical safety assessment has not been carried out.

SECTION 16: Other information

R-phrases listed in Chapter 3

22	Harmful if swallowed.
36	Irritating to eyes.

Hazard statements listed in Chapter 3

H302	Harmful if swallowed.
H319	Causes serious eye irritation.

CLP categories listed in Chapter 3

Acute Tox. 4	Acute toxicity, Category 4
Eye Irrit. 2	Eye irritation, Category 2

Supplemental information

Relevant changes compared with the previous version of the safety data sheet are marked with: ***
This information is based on our present state of knowledge. However, it should not constitute a guarantee for any specific product properties and shall not establish a legally valid relationship.