

Trade name: Giemsa Azur Gemisch (Reactifs R.A.L. SA)

Substance number: 180400

Version: 2 / CH

Date revised: 06.04.2016

Replaces Version: 1 / CH

Print date: 06.04.16

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

1.1. Product identifier

Giemsa Azur Gemisch (Reactifs R.A.L. SA)
Item No. 18040000

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

Use of the substance/preparation

Reagent for analyses

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.

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.

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SECTION 3: Composition/information on ingredients ***

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	>=	25	<	50 %
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

Wash skin thoroughly with water (15 min.). Remove contaminated clothing.

After eye contact

Separate eyelids, wash the eyes thoroughly with water (15 min.). Summon a doctor immediately.

After ingestion

Let plenty of water be drunk in small gulps. Summon a doctor immediately.

SECTION 5: Firefighting measures

5.1. Extinguishing media

Suitable extinguishing media

Water, Carbon dioxide, Foam, Dry powder

5.2. Special hazards arising from the substance or mixture

In case of combustion evolution of dangerous gases possible. In the event of fire the following can be released: Hydrogen bromide (HBr); Sulfuroxides (SOx); Nitrogen oxides (NOx); Hydrogen chloride (HCl)

5.3. Advice for firefighters

Special protective equipment for fire-fighting

Use self-contained breathing apparatus. Use personal protective clothing.

Other information

Suppress vapours with water spray jet. Do not discharge into surface waters/groundwater.

SECTION 6: Accidental release measures

6.1. Personal precautions, protective equipment and emergency procedures

Avoid contact with skin, eyes and clothing. Avoid breathing dust.

6.2. Environmental precautions

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Do not empty into drains.

6.3. Methods and material for containment and cleaning up

To pick up dry. Dampen, pick up mechanically and dispose of. Clean up affected area. Avoid raising dust.

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

No special requirements.

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

Value 5 - 30 °C

Further information on storage conditions

Keep container tightly closed.

SECTION 8: Exposure controls/personal protection**8.2. Exposure controls****General protective and hygiene measures**

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

Respiratory protection

Breathing apparatus in the event of aerosol.

Hand protection

Gloves

Appropriate Material	nitrile rubber - NBR
Material thickness	0.11 mm
Breakthrough time	> 480 min

Eye protection

necessary

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

Form	solid
Colour	dark green
Colour	green to black
Odour	slight, original odour
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
Density	

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Remarks

No data available

Solubility in water

Temperature

20 °C

Remarks

Difficult to dissolve

9.2. Other information**Bulk density**

Value

appr. 520

kg/m³**SECTION 10: Stability and reactivity****10.4. Conditions to avoid**

To avoid thermal decomposition, do not overheat.

10.5. Incompatible materials

Strong oxidising agents, Bases, Reducing agents

10.6. Hazardous decomposition productsToxic gases/vapours, Hydrogen bromide, sulphurous oxides (SO_x), Nitrogen, Hydrogen chloride (HCl)**Other information**

sensitive to air

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

ATE

4'720

mg/kg

Method

calculated value (Regulation (EC) No. 1272/2008)

Acute oral toxicity (Components)**methylthioninium chloride**

Species

rat

LD50

1180

mg/kg

Source

RTECS

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

Species

rat

LD50

> 2000

mg/kg

Serious eye damage/irritation

evaluation

irritant

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.

Other information

Observe the usual precautions for handling chemicals.

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

Remarks

Quantitative data concerning the ecological effect are not available.

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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	

12.6. Other adverse effects**General information / ecology**

Do not allow it to reach soil, ground water, water bodies or sewage system.

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 WGK 3

(Germany)

Remarks Classification according to Annex 4 VwVwS

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: ***

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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.