

Safety Data Sheet

according to UK REACH Regulation

Eosin 1 %, aqueous

Revision date: 22.08.2023

Product code: 10177.xxxxx

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

1.1. Product identifier

Eosin 1 %, aqueous

UFI: 0R5W-406C-200R-TKPN

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

Use of the substance/mixture

, Use as laboratory reagent.

The product is intended for research, analysis and scientific education.

Uses advised against

Any non-intended use.

1.3. Details of the supplier of the safety data sheet

| | | |
|-----------------|------------------------------------|-----------------------------------|
| Company name: | MORPHISTO GmbH | |
| Street: | Schumannstr. 142/144 | |
| Place: | D-63069 Offenbach | |
| Telephone: | +49 (0) 69 / 400 3019-60 | Telefax: +49 (0) 69 / 400 3019-64 |
| E-mail: | info@morphisto.de | |
| Contact person: | Morphisto GmbH | |
| E-mail: | gefahrstoffmanagement@morphisto.de | |
| Internet: | http://www.morphisto.de | |

1.4. Emergency telephone number:

Poison Information Center Mainz, Germany, Tel: +49(0)6131/19240

SECTION 2: Hazards identification

2.1. Classification of the substance or mixture

GB CLP Regulation

Skin Sens. 1; H317

Full text of hazard statements: see SECTION 16.

2.2. Label elements

GB CLP Regulation

Hazard components for labelling

Eosin G

Signal word: Warning

Pictograms:



Hazard statements

H317 May cause an allergic skin reaction.

Precautionary statements

| | |
|-----------|--|
| P261 | Avoid breathing Vapour. |
| P280 | Wear protective gloves/protective clothing/eye protection/face protection. |
| P333+P313 | If skin irritation or rash occurs: Get medical advice/attention. |

2.3. Other hazards

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This substance/mixture contains no components considered to be either persistent, bioaccumulating and toxic (PBT) or very persistent and very bioaccumulating (vPvB) at levels of 0.1% or higher. Ecological information: The substance/mixture does not contain any components that are considered to be hazardous according to REACH Article 57(f) or Commission Delegated Regulation (EU) 2017/2100 or Commission Delegated Regulation (EU) 2018/605 in amounts of 0.1 % or more have endocrine disrupting properties. Toxicological information: The substance/mixture does not contain any components that are to be classified according to REACH Article 57(f) or Commission Delegated Regulation (EU) 2017/2100 or Commission Delegated Regulation (EU) 2018/605 in quantities of 0.1 % or more have endocrine disrupting properties.

SECTION 3: Composition/information on ingredients

3.2. Mixtures

Chemical characterization

aqueous solution

Hazardous components

| CAS No | Chemical name | | | Quantity |
|------------|---|--------------|------------------|-----------|
| | EC No | Index No | REACH No | |
| | Classification (GB CLP Regulation) | | | |
| 17372-87-1 | Eosin G | | | 1 - < 5 % |
| | 241-409-6 | | 01-2120138551-62 | |
| | Eye Irrit. 2, Skin Sens. 1; H319 H317 | | | |
| 26628-22-8 | sodium azide | | | < 0.1 % |
| | 247-852-1 | 011-004-00-7 | 01-2119457019-37 | |
| | Acute Tox. 1, Acute Tox. 2, Acute Tox. 2, STOT RE 2, Aquatic Acute 1, Aquatic Chronic 1; H310 H330 H300 H373 H400 H410 EUH032 | | | |
| 64-19-7 | Acetic acid...% | | | < 0.1 % |
| | 200-580-7 | 607-002-00-6 | 01-2119475328-30 | |
| | Flam. Liq. 3, Skin Corr. 1A; H226 H314 | | | |

Full text of H and EUH statements: see section 16.

Specific Conc. Limits, M-factors and ATE

| CAS No | EC No | Chemical name | Quantity |
|------------|-----------|---|-----------|
| | | Specific Conc. Limits, M-factors and ATE | |
| 17372-87-1 | 241-409-6 | Eosin G | 1 - < 5 % |
| | | oral: LD50 = 2344 mg/kg | |
| 26628-22-8 | 247-852-1 | sodium azide | < 0.1 % |
| | | inhalation: ATE = 0,5 mg/l (vapours); inhalation: LC50 = > 0,054 - < 0,52 mg/l (dusts or mists); dermal: LD50 = 20,0 mg/kg; oral: LD50 = 27,0 mg/kg Aquatic Acute 1; H400: M=1 Aquatic Chronic 1; H410: M=1 | |
| 64-19-7 | 200-580-7 | Acetic acid...% | < 0.1 % |
| | | inhalation: LC50 = >40 mg/l (vapours); oral: LD50 = 3530 mg/kg Skin Corr. 1A; H314: >= 90 - 100 Skin Corr. 1B; H314: >= 25 - < 90 Skin Irrit. 2; H315: >= 10 - < 25 Eye Irrit. 2; H319: >= 10 - < 25 | |

Further Information

Product does not contain listed SVHC substances > 0,1 % according to Regulation (EC) No. 1907/2006 Article 59 (REACH)

SECTION 4: First aid measures

4.1. Description of first aid measures

General information

In case of accident or unwellness, seek medical advice immediately (show directions for use or safety data)

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sheet if possible). Remove casualty to fresh air and keep warm and at rest.

After inhalation

When in doubt or if symptoms are observed, get medical advice. Provide fresh air. In case of respiratory tract irritation, consult a physician.

After contact with skin

After contact with skin, wash immediately with plenty of water and soap. Take off immediately all contaminated clothing and wash it before reuse. Medical treatment necessary. In case of skin irritation, seek medical treatment.

After contact with eyes

Rinse immediately carefully and thoroughly with eye-bath or water. In case of eye irritation consult an ophthalmologist. In case of contact with eyes, rinse immediately with plenty of flowing water for 10 to 15 minutes holding eyelids apart. Subsequently consult an ophthalmologist.

After ingestion

Observe risk of aspiration if vomiting occurs. Rinse mouth immediately and drink 1 glass of water. Do NOT induce vomiting. In all cases of doubt, or when symptoms persist, seek medical advice.

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

No information available.

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

Treat symptomatically.

SECTION 5: Firefighting measures**5.1. Extinguishing media****Suitable extinguishing media**

Co-ordinate fire-fighting measures to the fire surroundings. Carbon dioxide (CO₂). Dry extinguishing powder. alcohol resistant foam. Atomized water.

5.2. Special hazards arising from the substance or mixture

Non-flammable. In case of fire may be liberated: Carbon monoxide. Carbon dioxide (CO₂). Bromine hydrogen (HBr). Sodium oxides.

The product itself does not burn.

5.3. Advice for firefighters

Wear a self-contained breathing apparatus and chemical protective clothing. Full protection suit.

Additional information

Suppress gases/vapours/mists with water spray jet.

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

Provide adequate ventilation. Do not breathe gas/fumes/vapour/spray. Avoid contact with skin, eyes and clothes. Use personal protection equipment. See protective measures under point 7 and 8.

6.2. Environmental precautions

Discharge into the environment must be avoided.

6.3. Methods and material for containment and cleaning up**For cleaning up**

Absorb with liquid-binding material (sand, diatomaceous earth, acid- or universal binding agents). Treat the recovered material as prescribed in the section on waste disposal.

Other information

Absorb with liquid-binding material (sand, diatomaceous earth, acid- or universal binding agents). Treat the recovered material as prescribed in the section on waste disposal.

Clean contaminated objects and areas thoroughly observing environmental regulations.

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6.4. Reference to other sections

Safe handling: see section 7
 Personal protection equipment: see section 8
 Disposal: see section 13

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

Personal protection equipment (See section 8.)

Advice on protection against fire and explosion

Usual measures for fire prevention.

Advice on general occupational hygiene

Remove contaminated, saturated clothing immediately. Draw up and observe skin protection programme.
 Wash hands and face before breaks and after work and take a shower if necessary. When using do not eat, drink, smoke, sniff. Always close containers tightly after the removal of product.

Further information on handling

Avoid contact with skin, eyes and clothes.
 General protection and hygiene measures: See section 8.

7.2. Conditions for safe storage, including any incompatibilities
Requirements for storage rooms and vessels

Keep container tightly closed.
 Suitable material for Container: polyethylene. Glass.

Hints on joint storage

Do not store together with: food and feed. pharmaceuticals. Infectious substances. Radioactive substances. Explosive substances. Oxidizing substances. Oxidizing liquids. Organic peroxides. Self-reactive substances and mixtures. Pyrophoric solids. Substances which in contact with water form flammable gases. Ammonium nitrate and preparations containing ammonium nitrate.

Further information on storage conditions

Keep the packing dry and well sealed to prevent contamination and absorption of humidity.
 Recommended storage temperature: 15-25 °C
 Protect against: frost. UV-radiation/sunlight. heat. Humidity

7.3. Specific end use(s)

No information available.

SECTION 8: Exposure controls/personal protection
8.1. Control parameters
Exposure limits (EH40)

| CAS No | Substance | ppm | mg/m ³ | fibres/ml | Category | Origin |
|------------|-------------------------------------|-----|-------------------|-----------|---------------|--------|
| 64-19-7 | Acetic acid | 10 | 25 | | TWA (8 h) | WEL |
| | | 20 | 50 | | STEL (15 min) | WEL |
| 26628-22-8 | Sodium azide (as NaN ₃) | - | 0.1 | | TWA (8 h) | WEL |
| | | - | 0.3 | | STEL (15 min) | WEL |

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DNEL/DMEL values

| CAS No | Substance | Exposure route | Effect | Value |
|--------------------------|-----------------|----------------|----------|-------------------------|
| 26628-22-8 | sodium azide | | | |
| Worker DNEL, long-term | | dermal | systemic | 0,0467 mg/kg bw/day |
| Worker DNEL, long-term | | inhalation | systemic | 0,164 mg/m ³ |
| 64-19-7 | Acetic acid...% | | | |
| Worker DNEL, long-term | | inhalation | local | 25 mg/m ³ |
| Worker DNEL, acute | | inhalation | local | 25 mg/m ³ |
| Consumer DNEL, long-term | | inhalation | local | 25 mg/m ³ |
| Consumer DNEL, acute | | inhalation | local | 25 mg/m ³ |

PNEC values

| CAS No | Substance | Value |
|--|-----------------|---------------|
| 26628-22-8 | sodium azide | |
| Freshwater | | 0,00035 mg/l |
| Freshwater (intermittent releases) | | mg/l |
| Freshwater sediment | | 0,0167 mg/kg |
| Marine sediment | | 0,00072 mg/kg |
| Micro-organisms in sewage treatment plants (STP) | | 0,03 mg/l |
| 64-19-7 | Acetic acid...% | |
| Freshwater | | 3,058 mg/l |
| Freshwater (intermittent releases) | | 30,58 mg/l |
| Marine water | | 0,306 mg/l |
| Freshwater sediment | | 11,36 mg/kg |
| Marine sediment | | 1,136 mg/kg |
| Micro-organisms in sewage treatment plants (STP) | | 85 mg/l |
| Soil | | 0,47 mg/kg |

Additional advice on limit values

To date, no national critical limit values exist.

8.2. Exposure controls

Appropriate engineering controls

Provide adequate ventilation.

Use extractor hood (laboratory). Technical measures and the application of suitable work processes have priority over personal protection equipment. Provide washing facilities at the workplace, provide an eye shower or eyewash bottle and mark them.

Individual protection measures, such as personal protective equipment
Eye/face protection

Wear eye/face protection. Suitable eye protection: Eye glasses with side protection EN 166

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Hand protection

When handling with chemical substances, protective gloves must be worn with the CE-label including the four control digits. The quality of the protective gloves resistant to chemicals must be chosen as a function of the specific working place concentration and quantity of hazardous substances. For special purposes, it is recommended to check the resistance to chemicals of the protective gloves mentioned above together with the supplier of these gloves. Wear suitable gloves.

Suitable material:

FKM (fluororubber). - Thickness of glove material: 0,4 mm

Breakthrough time \geq 8 h

Butyl rubber. - Thickness of glove material: 0,5 mm

Breakthrough time \geq 8 h

CR (polychloroprenes, Chloroprene rubber). - Thickness of glove material: 0,5 mm

Breakthrough time \geq 8 h

NBR (Nitrile rubber). - Thickness of glove material: 0,35 mm

Breakthrough time \geq 8 h

PVC (Polyvinyl chloride). - Thickness of glove material: 0,5 mm

Breakthrough time \geq 8 h

The selected protective gloves have to satisfy the specifications of EU Directive 89/686/EEC and the standard EN 374 derived from it.

Check leak tightness/impermeability prior to use.

Skin protection

Use of protective clothing. Suitable protective clothing: Lab apron.

Minimum standard for preventive measures while handling with working materials are specified in the TRGS 500 (D).

Respiratory protection

In case of inadequate ventilation wear respiratory protection. With correct and proper use, and under normal conditions, breathing protection is not required.

Environmental exposure controls

No special measures are necessary.

SECTION 9: Physical and chemical properties

9.1. Information on basic physical and chemical properties

| | |
|---|----------------|
| Physical state: | liquid |
| Colour: | red |
| Odour: | characteristic |
| Melting point/freezing point: | ca. 0 °C |
| Boiling point or initial boiling point and boiling range: | 100 °C |
| Flammability: | not determined |
| Lower explosion limits: | not determined |
| Upper explosion limits: | not determined |
| Flash point: | not determined |
| Auto-ignition temperature: | not determined |
| Decomposition temperature: | not determined |
| pH-Value (at 20 °C): | 5-6 |
| Viscosity / kinematic: | not determined |
| Water solubility: (at 20 °C) | miscible. |
| Solubility in other solvents | not determined |
| Partition coefficient n-octanol/water: | not determined |

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| | |
|--------------------------------|------------------------|
| Vapour pressure: (at 20 °C) | 6,1 hPa |
| Vapour pressure: (at 50 °C) | 12 hPa |
| Density (at 20 °C): | 1,01 g/cm ³ |
| Relative vapour density: | not determined |
| Particle characteristics: | not applicable |

9.2. Other information**Information with regard to physical hazard classes**

Explosive properties

The product is not: Explosive.

Self-ignition temperature

Solid:

not determined

Gas:

not determined

Oxidizing properties

none

Other safety characteristics

Evaporation rate:

not determined

Solid content:

not determined

Sublimation point:

not determined

Softening point:

not determined

Pour point:

not determined

Viscosity / dynamic:

not determined

Flow time:

not determined

SECTION 10: Stability and reactivity**10.1. Reactivity**

No information available.

10.2. Chemical stability

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

10.3. Possibility of hazardous reactions

Substances which in contact with water, emit flammable gases.

10.4. Conditions to avoid

Protect against: UV-radiation/sunlight. heat.

10.5. Incompatible materials

Materials to avoid: Oxidizing agents, strong. Reducing agents, strong.

10.6. Hazardous decomposition productsResulting from the use of the product: Chlorine. In case of fire may be liberated: Carbon dioxide (CO₂). Carbon monoxide. Bromine hydrogen (HBr). Sodium oxides.**SECTION 11: Toxicological information****11.1. Information on hazard classes as defined in GB CLP Regulation****Acute toxicity**

Based on available data, the classification criteria are not met.

ATE_{mix} calculated

ATE (oral) > 2000 mg/kg; ATE (dermal) > 2000 mg/kg; ATE (inhalation vapour) > 20 mg/l; ATE (inhalation dust/mist) > 5 mg/l

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| CAS No | Chemical name | | | | |
|------------|----------------------------|----------------------------|----------------------|----------------|--------------------|
| | Exposure route | Dose | Species | Source | Method |
| 17372-87-1 | Eosin G | | | | |
| | oral | LD50 2344 mg/kg | Rat, male and female | suppliers SDS. | |
| 26628-22-8 | sodium azide | | | | |
| | oral | LD50 27,0 mg/kg | Rat. | HSDB Toxnet | |
| | dermal | LD50 20,0 mg/kg | Rabbit | HSDB Toxnet | |
| | inhalation vapour | ATE 0,5 mg/l | | | |
| | inhalation (4 h) dust/mist | LC50 > 0,054 - < 0,52 mg/l | Rat | ECHA Dossier | EPA OPPTS 870.1300 |
| 64-19-7 | Acetic acid...% | | | | |
| | oral | LD50 3530 mg/kg | Rat | GESTIS | |
| | inhalation (4 h) vapour | LC50 >40 mg/l | Rat | suppliers SDS. | |

Irritation and corrosivity

Based on available data, the classification criteria are not met.

Sensitising effects

May cause an allergic skin reaction. (Eosin G)

Carcinogenic/mutagenic/toxic effects for reproduction

Based on available data, the classification criteria are not met.

STOT-single exposure

Based on available data, the classification criteria are not met.

STOT-repeated exposure

Based on available data, the classification criteria are not met.

Aspiration hazard

Based on available data, the classification criteria are not met.

11.2. Information on other hazards
Endocrine disrupting properties

This product does not contain a substance that has endocrine disrupting properties with respect to humans as no components meets the criteria.

Other information

The mixture is classified as hazardous according to regulation (EC) No 1272/2008 [CLP].

SECTION 12: Ecological information
12.1. Toxicity

Based on available data, the classification criteria are not met.

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| CAS No | Chemical name | | | | | |
|------------|--------------------------|----------------|-----------|---------|--|------------------------------------|
| | Aquatic toxicity | Dose | [h] [d] | Species | Source | Method |
| 26628-22-8 | sodium azide | | | | | |
| | Acute fish toxicity | LC50 mg/l | 2,75 | 96 h | Oncorhynchus mykiss (Rainbow trout) | ECHA Dossier OECD Guideline 203 |
| | Acute algae toxicity | ErC50 mg/l | 0,35 | 96 h | Pseudokirchneriella subcapitata | ECHA Dossier OECD Guideline 201 |
| | Acute crustacea toxicity | EC50 | 4,2 mg/l | 48 h | Daphnia pulex (water flea) | ECHA Dossier |
| | Acute bacteria toxicity | (EC50 mg/l) | 79,3 | 3 h | Activated sludge | ECHA Dossier OECD Guideline 209 |
| 64-19-7 | Acetic acid...% | | | | | |
| | Acute fish toxicity | LC50 mg/l | >300 | 96 h | Oncorhynchus mykiss | ECHA Dossier |
| | Acute algae toxicity | ErC50 mg/l | >300 | 72 h | Skeletonema costatum | ECHA Dossier |
| | Acute crustacea toxicity | EC50 mg/l | >300 | 48 h | Daphnia magna | ECHA Dossier |

12.2. Persistence and degradability

The product has not been tested.

| CAS No | Chemical name | | | |
|---------|---|-------|---|----------------|
| | Method | Value | d | Source |
| | Evaluation | | | |
| 64-19-7 | Acetic acid...% | | | |
| | Other guideline | 95% | 5 | suppliers SDS. |
| | Easily biodegradable (concerning to the criteria of the OECD) | | | |

12.3. Bioaccumulative potential

The product has not been tested.

Partition coefficient n-octanol/water

| CAS No | Chemical name | Log Pow |
|------------|-----------------|---------|
| 17372-87-1 | Eosin G | 6,92 |
| 64-19-7 | Acetic acid...% | -0,17 |

BCF

| CAS No | Chemical name | BCF | Species | Source |
|---------|-----------------|------|---------|--------|
| 64-19-7 | Acetic acid...% | 3,16 | | |

12.4. Mobility in soil

The product has not been tested.

12.5. Results of PBT and vPvB assessment

The substances in the mixture do not meet the PBT/vPvB criteria according to UK REACH.

12.6. Endocrine disrupting properties

This product does not contain a substance that has endocrine disrupting properties with respect to non-target organisms as no components meets the criteria.

12.7. Other adverse effects

No information available.

Further information

Avoid release to the environment. Do not allow to enter into surface water or drains.

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

Do not allow to enter into surface water or drains. Dispose of waste according to applicable legislation. Observe in addition any national regulations! Consult the local waste disposal expert about waste disposal. Non-contaminated packages may be recycled. According to (EWC) European Waste Catalogue, allocation of waste identity numbers/waste descriptions must be carried out in a specific way for every industry and process. Control report for waste code/ waste marking according to (EWC) European Waste Catalogue:

List of Wastes Code - residues/unused products

160509 WASTES NOT OTHERWISE SPECIFIED IN THE LIST; gases in pressure containers and discarded chemicals; discarded chemicals other than those mentioned in 16 05 06, 16 05 07 or 16 05 08

List of Wastes Code - used product

160509 WASTES NOT OTHERWISE SPECIFIED IN THE LIST; gases in pressure containers and discarded chemicals; discarded chemicals other than those mentioned in 16 05 06, 16 05 07 or 16 05 08

List of Wastes Code - contaminated packaging

150106 WASTE PACKAGING; ABSORBENTS, WIPING CLOTHS, FILTER MATERIALS AND PROTECTIVE CLOTHING NOT OTHERWISE SPECIFIED; packaging (including separately collected municipal packaging waste); mixed packaging

Contaminated packaging

Wash with plenty of water. Completely emptied packages can be recycled. Handle contaminated packages in the same way as the substance itself.

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

14.1. UN number or ID number: No dangerous good in sense of this transport regulation.
14.2. UN proper shipping name: No dangerous good in sense of this transport regulation.
14.3. Transport hazard class(es): No dangerous good in sense of this transport regulation.
14.4. Packing group: No dangerous good in sense of this transport regulation.

Inland waterways transport (ADN)

14.1. UN number or ID number: No dangerous good in sense of this transport regulation.
14.2. UN proper shipping name: No dangerous good in sense of this transport regulation.
14.3. Transport hazard class(es): No dangerous good in sense of this transport regulation.
14.4. Packing group: No dangerous good in sense of this transport regulation.

Marine transport (IMDG)

14.1. UN number or ID number: No dangerous good in sense of this transport regulation.
14.2. UN proper shipping name: No dangerous good in sense of this transport regulation.
14.3. Transport hazard class(es): No dangerous good in sense of this transport regulation.
14.4. Packing group: No dangerous good in sense of this transport regulation.

Air transport (ICAO-TI/IATA-DGR)

14.1. UN number or ID number: No dangerous good in sense of this transport regulation.
14.2. UN proper shipping name: No dangerous good in sense of this transport regulation.
14.3. Transport hazard class(es): No dangerous good in sense of this transport regulation.
14.4. Packing group: No dangerous good in sense of this transport regulation.

14.5. Environmental hazards

ENVIRONMENTALLY HAZARDOUS: No

14.6. Special precautions for user

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Not restricted

14.7. Maritime transport in bulk according to IMO instruments

Not restricted

SECTION 15: Regulatory information**15.1. Safety, health and environmental regulations/legislation specific for the substance or mixture****EU regulatory information**

Restrictions on use (REACH, annex XVII):

Entry 3, Entry 75

2010/75/EU (VOC): not determined

2004/42/EC (VOC): not determined

Information according to 2012/18/EU (SEVESO III): Not subject to 2012/18/EU (SEVESO III)

Additional information

This preparation is hazardous in the sense of regulation (EC) No 1272/2008 [GHS].

National regulatory information

Employment restrictions: Observe restrictions to employment for juveniles according to the 'juvenile work protection guideline' (94/33/EC).

Water hazard class (D): - - non-hazardous to water

Skin resorption/Sensitization: Causes allergic hypersensitivity reactions.

15.2. Chemical safety assessment

For the following substances of this mixture a chemical safety assessment has been carried out:

Eosin G

sodium azide

Acetic acid...%

SECTION 16: Other information**Changes**

This data sheet contains changes from the previous version in section(s): 2,4,5,6,7,9,11,13,15,16.

Rev. 1,0; 12.05.2022, Initial release

Rev. 1,1; 13.06.2023, general adjustment(s)

Rev. 2,0; 22.08.2023; revision of the classification

Abbreviations and acronyms

ADR: Accord européen sur le transport des marchandises dangereuses par Route

CAS Chemical Abstracts Service

DNEL: Derived No Effect Level

IARC: INTERNATIONAL AGENCY FOR RESEARCH ON CANCER

IMDG: International Maritime Code for Dangerous Goods

IATA: International Air Transport Association

IATA-DGR: Dangerous Goods Regulations by the "International Air Transport Association" (IATA)

ICAO: International Civil Aviation Organization

ICAO-TI: Technical Instructions by the "International Civil Aviation Organization" (ICAO)

GHS: Globally Harmonized System of Classification and Labelling of Chemicals

GefStoffV: Gefahrstoffverordnung (Ordinance on Hazardous Substances, Germany)

LOAEL: Lowest observed adverse effect level

LOAEC: Lowest observed adverse effect concentration

LC50: Lethal concentration, 50 percent

LD50: Lethal dose, 50 percent

NOAEL: No observed adverse effect level

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NOAEC: No observed adverse effect level
 NTP: National Toxicology Program
 N/A: not applicable
 OSHA: Occupational Safety and Health Administration
 PNEC: predicted no effect concentration
 PBT: Persistent bioaccumulative toxic
 RID: Règlement international concernant le transport des marchandises dangereuses par chemin de fer (Regulations Concerning the International Transport of Dangerous Goods by Rail)
 SARA: Superfund Amendments and Reauthorization Act
 SVHC: substance of very high concern
 TRGS Technische Regeln fuerGefahrstoffe
 TSCA: Toxic Substances Control Act
 VOC: Volatile Organic Compounds
 VwVwS: Verwaltungsvorschrift wassergefaehrdender Stoffe
 WGK: Wassergefaehrdungsklasse
 CLP: Classification, labelling and Packaging
 REACH: Registration, Evaluation and Authorization of Chemicals
 GHS: Globally Harmonised System of Classification, Labelling and Packaging of Chemicals
 UN: United Nations
 CAS: Chemical Abstracts Service
 DNEL: Derived No Effect Level
 DMEL: Derived Minimal Effect Level
 PNEC: Predicted No Effect Concentration
 ATE: Acute toxicity estimate
 LL50: Lethal loading, 50%
 EL50: Effect loading, 50%
 EC50: Effective Concentration 50%
 ErC50: Effective Concentration 50%, growth rate
 NOEC: No Observed Effect Concentration
 BCF: Bio-concentration factor
 PBT: persistent, bioaccumulative, toxic
 vPvB: very persistent, very bioaccumulative
 ADR: Accord européen sur le transport des marchandises dangereuses par Route (European Agreement concerning the International Carriage of Dangerous Goods by Road)
 RID: Regulations concerning the international carriage of dangerous goods by rail
 ADN: European Agreement concerning the International Carriage of Dangerous Goods by Inland Waterways (Accord européen relatif au transport international des marchandises dangereuses par voies de navigation intérieures)
 EmS: Emergency Schedules
 MFAg: Medical First Aid Guide
 MARPOL: International Convention for the Prevention of Marine Pollution from Ships
 IBC: Intermediate Bulk Container
 For abbreviations and acronyms, see table at <http://abbrev.esdscom.eu>
 For abbreviations and acronyms, see: ECHA Guidance on information requirements and chemical safety assessment, chapter R.20 (Table of terms and abbreviations).

Classification for mixtures and used evaluation method according to GB CLP Regulation

| Classification | Classification procedure |
|--------------------|--------------------------|
| Skin Sens. 1; H317 | Calculation method |

Relevant H and EUH statements (number and full text)

| | |
|------|--|
| H226 | Flammable liquid and vapour. |
| H300 | Fatal if swallowed. |
| H310 | Fatal in contact with skin. |
| H314 | Causes severe skin burns and eye damage. |
| H317 | May cause an allergic skin reaction. |

Safety Data Sheet

according to UK REACH Regulation

Eosin 1 %, aqueous

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| | |
|--------|--|
| H319 | Causes serious eye irritation. |
| H330 | Fatal if inhaled. |
| H373 | May cause damage to organs through prolonged or repeated exposure. |
| H400 | Very toxic to aquatic life. |
| H410 | Very toxic to aquatic life with long lasting effects. |
| EUH032 | Contact with acids liberates very toxic gas. |

Further Information

The information is based on the present level of our knowledge. It does not, however, give assurance of product properties and establishes no contract legal rights. The receiver of our product is singularly responsible for adhering to existing laws and regulations. Classification according EC regulation 1272/2008 (CLP): -

Classification procedure:

Health hazards: Calculation method.

Environmental hazards: Calculation method.

Physical hazards: On basis of test data and / or calculated and / or estimated.

The above information describes exclusively the safety requirements of the product and is based on our present-day knowledge. The information is intended to give you advice about the safe handling of the product named in this safety data sheet, for storage, processing, transport and disposal. The information cannot be transferred to other products. In the case of mixing the product with other products or in the case of processing, the information on this safety data sheet is not necessarily valid for the new made-up material.

(The data for the hazardous ingredients were taken respectively from the last version of the sub-contractor's safety data sheet.)