



Giemsa Stain Kit MSDS

Revised: 10-23-2023

1. IDENTIFICATION OF THE SUBSTANCE/PREPARATION AND THE COMPANY/UNDERTAKING

SKU# VB-2002
Product name VitroView™ Giemsa Stain Kit

Contact Manufacturer

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2. COMPOSITION/INFORMATION ON INGREDIENTS

Chemical Name	CAS-No
Eosin Y	17372-87-1
Methylene blue	61-73-4
Methanol	67-56-1
Giemsa powder	51811-82-6
methanol	67-56-1
glycerin	56-81-5
0.2M Potassium Phosphate (KH ₂ PO ₄)	7778-77-0
0.2N NaOH	1310-73-2

3. HAZARDS IDENTIFICATION

2.1 Classification of the substance. In accordance with Regulation (EU) No 1272/2008:

Acute Tox. 4 : Harmful if swallowed.

Eye Irrit. 2 : Causes serious eye irritation.

2.2 Label elements. . . Labeling in accordance with Regulation (EU) No 1272/2008: Pictograms: Signal Word:

Warning H statements: H302 Harmful if swallowed. H319 Causes serious eye irritation.

P statements:

P264 Wash thoroughly after handling.

P270 Do not eat, drink or smoke when using this product.

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P280 Wear protective gloves/protective clothing/eye protection/face protection.

P330 Rinse mouth.

P301+P312 IF SWALLOWED: Call a POISON CENTER/doctor/if you feel unwell.

P337+P313 If eye irritation persists: Get medical advice/attention.

P305+P351+P338 IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.

Contains: May Grunwald stain

2.3 Other hazards. In normal use conditions and in its original form, the product itself does not involve any other risk for health and the environment.

4. FIRST AID MEASURES

4.1 Description of first aid measures. In case of doubt or when symptoms of feeling unwell persist, get medical attention. Never administer anything orally to persons who are unconscious.

Inhalation. If wearing contact lenses, remove them. If breathing is irregular or stops, perform artificial respiration. Do not administer anything orally. If unconscious, place them in a suitable position and seek medical assistance.

Eye contact. If wearing contact lenses, remove them. Wash eyes with plenty of clean and cool water for at least 10 minutes while pulling eyelids up, and seek medical assistance.

Skin contact. Remove contaminated clothing. Wash skin vigorously with water and soap or a suitable skin cleaner. NEVER use solvents or thinners.

Ingestion. If accidentally ingested, seek immediate medical attention. Keep calm. NEVER induce vomiting.

4.2 Most important symptoms and effects, both acute and delayed. Harmful Product, prolonged exposure due to inhalation may cause anaesthetic effects and the need for immediate medical assistance.

4.3 Indication of any immediate medical attention and special treatment needed. In case of doubt or when symptoms of feeling unwell persist, get medical attention. Never administer anything orally to persons who are unconscious.

5. FIRE-FIGHTING MEASURES

5.1 Extinguishing media. Recommended extinguishing methods. Extinguisher powder or CO₂. In case of more serious fires, also alcohol-resistant foam and water spray. Do not use a direct stream of water to extinguish.

5.2 Special hazards arising from the substance. Special risks. Fire can cause thick, black smoke. As a result of thermal decomposition, dangerous products can form: carbon monoxide, carbon dioxide. Exposure to combustion or decomposition products can be harmful to your health.

5.3 Advice for firefighters.

Use water to cool tanks, cisterns, or containers close to the heat source or fire. Take wind direction into account.

Prevent the products used to fight the fire from going into drains, sewers, or waterways. Fire protection equipment. According to the size of the fire, it may be necessary to use protective suits against the heat, individual breathing equipment, gloves, protective goggles or facemasks, and gloves.

6. HANDLING AND STORAGE

7.1 Precautions for safe handling. For personal protection, see section 8. Never use pressure to empty the containers. They are not pressure-resistant containers. In the application area, smoking, eating, and drinking must be prohibited. Follow legislation on occupational health and safety. Keep the product in containers made of a material identical to the original.

7.2 Conditions for safe storage, including any incompatibilities. Store according to local legislation. Observe indications on the label. Keep far away from ignition points. Keep away from oxidising agents and from highly acidic or alkaline materials. Do not smoke. Prevent the entry of non-authorized persons. Once the containers are open, they must be carefully closed and placed vertically to prevent spills. The product is not affected by Directive 2012/18/EU (SEVESO III).

7.3 Specific end use(s).

8. EXPOSURE CONTROLS / PERSONAL PROTECTION

8.1 Control parameters. The product does NOT contain substances with Professional Exposure Environmental Limit Values. The product does NOT contain substances with Biological Limit Values.

8.2 Exposure controls.

Measures of a technical nature: Provide adequate ventilation, which can be achieved by using good local exhaust-ventilation and a good general exhaust system. Concentration: 100 % Uses: For manufacturing, processing, laboratory or repacking use only Breathing protection: If the recommended technical measures are observed, no individual protection equipment is necessary. Hand protection: PPE: Protective gloves. Characteristics: «CE» marking, category II. CEN standards: EN 374-1, En 374-2, EN 374-3, EN 420 Maintenance: Keep in a dry place, away from any sources of heat, and avoid exposure to sunlight as much as possible. Do not make any changes to the gloves that may alter their resistance, or apply paints, solvents or adhesives. Observations: Gloves should be of the appropriate size and fit the user's hand well, not being too loose or too tight. Always use with clean, dry hands. Material: PVC (polyvinyl chloride) Breakthrough time (min.): > 480 Material thickness (mm): 0,35 Eye protection: PPE: Face shield. Characteristics: «CE» marking, category II. Face and eye protector against splashing liquid. CEN standards: EN 165, EN 166, EN 167, EN 168 Maintenance: Visibility through lenses should be ideal. Therefore, these parts should be cleaned daily. Protectors should be disinfected periodically following the manufacturer's instructions. Make sure that mobile parts move smoothly. Observations: Face shields should offer a field of vision with a dimension in the central line of, at least, 150 mm vertically once attached to the frame. Skin protection: PPE: Protective clothing. Characteristics: «CE» marking, category II. Protective clothing should not be too tight or loose in order not to obstruct the user's movements. CEN standards: EN 340 Maintenance: In order to guarantee uniform protection, follow the washing and maintenance instructions provided by the manufacturer. Observations: The protective clothing should offer a level of comfort in line with the level of protection provided in terms of the hazard against which it protects, bearing in mind environmental conditions, the user's level of activity and the expected time of use. PPE: Work footwear. Characteristics: «CE» marking, category II. CEN standards: EN ISO 13287, EN 20347 Maintenance: This product adapts to the first user's foot shape. That is why, as well as for hygienic reasons, it should not be used by other people. Observations: Work footwear for professional use includes protection elements aimed at protecting users against any injury resulting from an accident

9. PHYSICAL AND CHEMICAL PROPERTIES

9.1 Information on basic physical and chemical properties. Appearance: Solid Colour: N.A./N.A. Odour: N.A./N.A. Odour threshold: N.A./N.A. pH: N.A./N.A. Melting point: N.A./N.A. Boiling Point: N.A./N.A. Flash point: N.A./N.A. Evaporation rate: N.A./N.A. Inflammability (solid, gas): N.A./N.A. Lower Explosive Limit: N.A./N.A. Upper Explosive Limit: N.A./N.A. Vapour pressure: N.A./N.A. Vapour density: N.A./N.A. Relative density: N.A./N.A. Solubility: N.A./N.A. Liposolubility: N.A./N.A. Hydrosolubility: N.A./N.A. Partition coefficient (n-octanol/water): N.A./N.A. Auto-ignition temperature: N.A./N.A. Decomposition temperature: N.A./N.A. Viscosity: N.A./N.A. Explosive properties: N.A./N.A. Oxidizing properties: N.A./N.A. N.A./N.A.= Not Available/Not Applicable due to the nature of the product

9.2. Other information.

10. STABILITY AND REACTIVITY

10.1 Reactivity. The product does not present hazards by their reactivity.

10.2 Chemical stability. Stable under the recommended handling and storage conditions (see section 7).

10.3 Possibility of hazardous reactions. The product does not present possibility of hazardous reactions. 10.4 Conditions to avoid. Avoid any improper handling.

10.5 Incompatible materials. Keep away from oxidising agents and from highly alkaline or acidic materials in order to prevent exothermic reactions.

10.6 Hazardous decomposition products. No decomposition if used for the intended uses.

11. TOXICOLOGICAL INFORMATION

IRRITANT PREPARATION. Splatters in the eyes can cause irritation. 11.1 Information on toxicological effects. Repeated or prolonged contact with the product can cause the elimination of oil from the skin, giving rise to non-allergic contact dermatitis and absorption of the product through the skin. Splatters in the eyes can cause irritation and reversible damage. a) acute toxicity; Product classified: Acute toxicity (Oral), Category 4: Harmful if swallowed. b) skin corrosion/irritation; Not conclusive data for classification. c) serious eye damage/irritation; Product classified: Eye irritation, Category 2: Causes serious eye irritation. d) respiratory or skin sensitisation; Not conclusive data for classification. e) germ cell mutagenicity; Not conclusive data for classification. f) carcinogenicity; Not conclusive data for classification. g) reproductive toxicity; Not conclusive data for classification. h) STOT-single exposure; Not conclusive data for classification. i) STOT-repeated exposure; Not conclusive data for classification. j) aspiration hazard; Not conclusive data for classification.

12. ECOLOGICAL INFORMATION

12.1 Toxicity. No information is available regarding the ecotoxicity. 12.2 Persistence and degradability. No information is available about persistence and degradability of the product. 12.3 Bioaccumulative potential. No information is available regarding the bioaccumulation. 12.4 Mobility in soil. No information is available about the mobility in soil. The product must not be allowed to go into sewers or waterways. Prevent penetration into the ground. 12.5 Results of PBT and vPvB assessment. No information is available about the results of PBT and vPvB assessment of the product. 12.6 Other adverse effects. No information is available about other adverse effects for the environment.

13. DISPOSAL CONSIDERATIONS

13.1 Waste treatment methods. Do not dump into sewers or waterways. Waste and empty containers must be handled and eliminated according to current, local/national legislation. Follow the provisions of Directive 2008/98/EC regarding waste management.

14. TRANSPORT INFORMATION

Transportation is not dangerous. In case of road accident causing the product's spillage, proceed in accordance with point 6. 14.1 UN number. Transportation is not dangerous. 14.2 UN proper shipping name. Transportation is not dangerous. 14.3 Transport hazard class(es). Transportation is not dangerous. 14.4 Packing group. Transportation is not dangerous. 14.5 Environmental hazards. Transportation is not dangerous. 14.6 Special precautions for user. Transportation is not dangerous. 14.7 Transport in bulk according to Annex II of MARPOL 73/78 and the IBC Code. Transportation is not dangerous.

15. REGULATORY INFORMATION

15.1 Safety, health and environmental regulations/legislation specific for the substance. The product is not affected by the Regulation (EC) No 1005/2009 of the European Parliament and of the Council of 16 September 2009 on substances that deplete the ozone layer. See annex I of the Directive 96/82/EC of 9 December 1996 on the control of major-accident hazards involving dangerous substances and the Regulation (EC) No 689/2008 of the European Parliament and of the Council of 17 June 2008 concerning the export and import of dangerous chemicals and its subsequent updates. The product is not affected by Directive 2012/18/EU (SEVESO III). The product is not affected by Regulation (EU) No 528/2012 concerning the making available on the market and use of biocidal products. The product is not affected by the procedure established Regulation (EU) No 649/2012, concerning the export and import of dangerous chemicals. 15.2 Chemical safety assessment. There has been no evaluation a chemical safety assessment of the product.

16. OTHER INFORMATION

Classification codes: Acute Tox. 4 [Oral] : Acute toxicity (Oral), Category 4 Eye Irrit. 2 : Eye irritation, Category 2
Sections changed compared with the previous version: 1,2,16 It is advisable to carry out basic training with regard to health and safety at work in order to handle this product correctly. Labelling in accordance with Directive 67/548/EEC: Symbols: Xn Harmful R Phrases: R22 Harmful if swallowed. R36 Irritating to eyes. S Phrases: S22 Do not breathe dust. S26 In case of contact with eyes, rinse immediately with plenty of water and seek medical advice.
Contains: May Grunwald stain Abbreviations and acronyms used: CEN: European Committee for Standardization. PPE: Personal protection equipment. Key literature references and sources for data: <http://eur-lex.europa.eu/homepage.html> <http://echa.europa.eu/> Regulation (EU) 2015/830. Regulation (EC) No 1907/2006. Regulation (EU) No 1272/2008. The information given in this Safety Data Sheet has been drafted in accordance with COMMISSION REGULATION (EU) 2015/830 of 28 May 2015 amending Regulation (EC) No 1907/2006 OF THE EUROPEAN PARLIAMENT AND OF THE COUNCIL of 18 December 2006 concerning the Registration, Evaluation, Authorisation and Restriction of Chemicals (REACH), establishing a European Chemicals Agency, amending Directive 1999/45/EC and repealing Council Regulation (EEC) No 793/93 and Commission Regulation (EC) No 1488/94 as well as Council Directive 76/769/EEC and Commission Directives 91/155/EEC, 93/67/EEC, 93/105/EC and 2000/21/EC.