



Alpha Chemika

ISO 9001 Quality System certified Organization

House Of Unlimited Chemicals

MAY AND GRUNWALD'S STAIN For Microscopy

1. Identification of the substance/mixture and of the company/undertaking

1.1 Product identifier

| | | | |
|----------------------|---|-------------------|----------|
| Chemical Name : | MAY AND GRUNWALD'S STAIN (for microscopy) | | |
| Catalogue No. : | AL2907 | Product form : | Mixture |
| CAS Number : | 68988-92-1 | EC Number : | |
| Grade : | | EC Index Number : | |
| Chemical Formula : | | HSN Code : | 32049000 |
| Synonyms : | Eosin Methylene blue according to Wright | | |
| Chemical Structure : | | | |

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

| | |
|--------------------------------|---|
| Use of the substance/mixture : | Laboratory chemicals, Manufacture of substances |
| Uses advised against : | No additional information available |

1.3 Details of the supplier of the safety data sheet

| | |
|--------------------------|--|
| Company identification : | Address:- 102, B wing, Savgan Heights, RTO Lane, Andheri (W), Mumbai-400 053 Maharashtra, India. |
|--------------------------|--|

1.4 Emergency Contact Details

| | |
|------------------|---|
| Phone / e-Mail : | Phone : +91 22 26317055 Mobile : +91 9820385757 e-mail : info@alphachemika.com |
|------------------|---|

2. Hazards identification

2.1 Classification of the substance or mixture

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

Mixture/Substance: SDS EU 2015: According to Annex II of Regulation (EC) No. 453/2010 (REACH Annex II)

Flammable liquids,

Category 2

H225

Acute toxicity (oral),

Category 3

H301

Acute toxicity (dermal),

Category 3

H311

Acute toxicity

(inhalation:gas) Category

3

H331

Serious eye damage/eye irritation, Category 1

H318

Specific target organ

toxicity "single

exposure, Category 1

H370

Full text of classification categories and H statements : see section 16

Adverse physicochemical, human health and environmental effects

No additional information available

2.2. Label elements

Labelling according to Regulation (EC) No. 1272/2008 [CLP] Extra labelling to display Extra classification(s) to display

Hazard pictograms (CLP) :

GHS02 GHS05 GHS06 GHS08

Signal word (CLP) : Danger

Hazard statements (CLP) : H225 - Highly flammable liquid and vapour

H301+H311+H331 - Toxic if swallowed, in contact with skin or if inhaled

H318 - Causes serious eye damage

H370 - Causes damage to organs

Precautionary statements (CLP) : P210 - Keep away from heat/sparks/open flames/hot surfaces. - No smoking

P260 - Do not breathe dust/fume/gas/mist/vapours/spray

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

P301+P310 - IF SWALLOWED: immediately call a POISON CENTER or

doctor/physician

P308+P311 - IF exposed or concerned: Call a POISON CENTER/doctor/

P310 - Immediately call a POISON CENTER or doctor/physician

P403+P233 - Store in a well-ventil

Adverse physicochemical, human health and environmental effects

No additional information available

2.2 Label elements

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

Hazard pictograms (CLP) :



GHS02



GHS05



GHS06



GHS08

Signal word (CLP) :

Danger

Hazard statements (CLP) :

H225 - Highly flammable liquid and vapour

H301+H311+H331 - Toxic if swallowed, in contact with skin or if inhaled

H318 - Causes serious eye damage

H370 - Causes damage to organs

| | |
|---|---|
| Precautionary statements (CLP) : | <p>P210 - Keep away from heat/sparks/open flames/hot surfaces. - No smoking</p> <p>P260 - Do not breathe dust/fume/gas/mist/vapours/spray</p> <p>P280 - Wear protective gloves/protective clothing/eye protection/face protection</p> <p>P301+P310 - IF SWALLOWED: immediately call a POISON CENTER or doctor/physician</p> <p>P308+P311 - IF exposed or concerned: Call a POISON CENTER/doctor/â€¦</p> <p>P310 - Immediately call a POISON CENTER or doctor/physician</p> <p>P403+P233 - Store in a well-ventilated place. Keep container tightly closed</p> |
|---|---|

2.3 Other hazards

| | |
|------------------------|-------------------------------------|
| Other hazards : | No additional information available |
|------------------------|-------------------------------------|

3. Composition/information on ingredients

3.1. Substance

Not applicable

CAS No. : 68988-92-1

3.2. Mixture

| Name | Product identifier | % | Classification according to Regulation (EC) No. 1272/2008 [CLP] | | | | |
|----------|---|---------------|--|----------------|---------------------|-------------|--|
| Methanol | (CAS No) 67-56-1 (EC no) 200-659-6 (EC index no) 603-001-00-X | 75 - 99 | Flam. Liq. 2, H225 Acute Tox. 3 (Dermal), H311 Acute Tox. 3 (Inhalation), H331 Acute Tox. 3 (Oral), H301 STOT SE 1, H370 | WRIGHT'S STAIN | (CAS No) 68988-92-1 | 1 - 5 | Eye Dam. 1, H318 Acute Tox. 4 (Oral), H302 Aquatic Chronic 3, H412 |

Full text of H-phrases: see section 16

4. First aid measures

4.1 Description of first aid measures

| | |
|--|--|
| First-aid measures after inhalation : | Remove victim to fresh air and keep at rest in a position comfortable for breathing. |
| First-aid measures after skin contact : | Immediately call a POISON CENTER or doctor/physician. Remove/Take off immediately all contaminated clothing. Wash with plenty of soap and water. Specific measures (see ... on this label). Wash contaminated clothing before reuse. |
| First-aid measures after eye contact : | Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. If eye irritation persists: Get medical advice/attention. |
| First-aid measures after ingestion : | Rinse mouth. Obtain emergency medical attention. Immediately call a POISON CENTER or doctor/physician. Specific treatment (see ... on this label). |

4.2 Most important symptoms and effects, both acute and delayed

Symptoms relating to use :

Symptoms/injuries : Causes damage to organs.
Symptoms/injuries after skin contact : Repeated exposure to this material can result in absorption through skin causing significant health hazard. Toxic in contact with skin.
Symptoms/injuries after eye contact : Causes serious eye irritation.
Symptoms/injuries after ingestion : Toxic if swallowed. Swallowing a small quantity of this material will result in serious health hazard.

4.3 Indication of any immediate medical attention and special treatment needed

General information :

Treat symptomatically.

5. Fire-fighting measures

5.1 Description of first aid measures

Suitable extinguishing media :

dry chemical powder, alcohol-resistant foam, carbon dioxide (CO₂).

Unsuitable extinguishing media :

Do not use a heavy water stream.

5.2 Most important symptoms and effects, both acute and delayed

Fire hazard :

Explosion hazard :

5.3 Indication of any immediate medical attention and special treatment needed

Protection during firefighting :

Do not attempt to take action without suitable protective equipment.

6. Accidental release measures

6.1 Personal precautions, protective equipment and emergency procedures

6.1.1. For non-emergency personnel

Emergency procedures :

Evacuate unnecessary personnel.

6.1.2. For emergency responders

Protective equipment

Use personal protective equipment as required

Emergency procedures

Stop release

6.2 Environmental precautions

Avoid release to the environment.

6.3 Methods and material for containment and cleaning up

Methods for cleaning up :

Collect spillage. On land, sweep or shovel into suitable containers. Soak up spills with inert solids, such as clay or diatomaceous earth as soon as possible.

6.4 Reference to other sections

| | |
|--------------------|-------------------------------------|
| Reference : | No additional information available |
|--------------------|-------------------------------------|

7. Handling and storage

7.1 Precautions for safe handling

| | |
|--|---|
| Precautions for safe handling : | Do not breathe dust/fume/gas/mist/vapours/spray. |
| Hygiene measures : | Do not eat, drink or smoke when using this product. Wash ... thoroughly after handling. |

7.2 Conditions for safe storage, including any incompatibilities

7.3 Specific end use(s)

No additional information available

8. Exposure controls/personal protection

8.1 Control parameters

No additional information available

8.2 Exposure controls

| | |
|-----------------------------------|---|
| Hand protection : | protective gloves |
| Eye protection : | Chemical goggles or safety glasses |
| Skin and body protection : | Wear suitable protective clothing |
| Respiratory protection : | Where exposure through inhalation may occur from use, respiratory protection equipment is recommended |

9. Physical and chemical properties

9.1 Information on basic physical and chemical properties

| | |
|---|-------------------|
| Physical state : | Liquid Colour |
| Colour : | Clear Colorless. |
| Odour : | dark blue. |
| Odour threshold : | No data available |
| pH value : | No data available |
| Relative evaporation rate (butylacetate=1) : | No data available |
| Melting point : | 17.9 Â°C |
| Freezing point : | No data available |
| Boiling point : | 64.5 Â°C |
| Flash point : | 11 Â°C |

| | |
|--|-------------------------------------|
| Auto-ignition temperature : | 393 Â°C |
| Decomposition temperature : | No data available |
| Flammability (solid, gas) : | Flammable |
| Vapour pressure : | 97.68 mm Hg (at 20Â°C) |
| Relative vapour density at 20°C : | 3.17 |
| Density : | 0.85 g/cmÂ³ |
| Solubility : | Water: Easily soluble in cold water |
| Log Pow : | No data available |
| Viscosity, kinematic : | No data available |
| Viscosity, dynamic : | No data available |
| Explosive properties : | No data available |
| Oxidising properties : | No data available |
| Explosive limits : | 0.06 - 0.365 vol % |
| 9.2 Other information | |
| No additional information available | |

10. Stability and reactivity

10.1 Reactivity

No additional information available

10.2 Chemical stability

Stable under normal conditions.

10.3 Possibility of hazardous reactions

No additional information available

10.4 Conditions to avoid

Overheating. Open flame. Heat. Sparks.

10.5 Incompatible materials

No additional information available

10.6 Hazardous decomposition products

No additional information available

11. Toxicological information

11.1 Information on toxicological effects

| | |
|--|---|
| Acute toxicity : | Oral: Toxic if swallowed. Dermal: Toxic in contact with skin. Inhalation:gas: Toxic if inhaled. ATE CLP (oral) 100 mg/kg bodyweight ATE CLP (dermal) 300 mg/kg bodyweight ATE CLP (gases) 700 ppmv/4h |
| Skin corrosion/irritation : | Not classified |
| Serious eye damage/irritation : | Causes serious eye damage. |
| Respiratory or skin sensitisation : | Not classified |
| Germ cell mutagenicity : | Not classified |
| Carcinogenicity : | Not classified |
| Reproductive toxicity : | Not classified |
| Specific target organ toxicity (single exposure) : | Causes damage to organs. |
| Specific target organ toxicity (repeated exposure) : | Not classified |
| Aspiration hazard : | Not classified |
| Potential adverse human health effects and symptoms : | Toxic if swallowed. Toxic in contact with skin. |

12. Ecological information

12.1 Toxicity

Toxicity information : No additional information available

12.2 Persistence - degradability

Persistence - degradability : No additional information available

12.3 Bioaccumulative potential

Bioaccumulative potential : No additional information available

12.4 Mobility in soil

Mobility in soil : No additional information available

12.5 Results of PBT and vPvB assessment

Results of PBT and vPvB assessment : No additional information available

12.6 Other adverse effects

Environmental precautions : No additional information available

13. Disposal considerations

13.1 Waste treatment methods

| | |
|---|--------------------------------------|
| Product/Packaging disposal recommendations : | Dispose of contents/container to ... |
| Ecology - waste materials : | Hazardous waste due to toxicity. |

14. Transport information

In accordance with ADR / RID / IMDG / IATA / ADN

14.1. UN number

| | |
|------------------------|------|
| UN-No. (ADR) : | 1230 |
| UN-No. (IMDG) : | 1230 |
| UN-No. (IATA) : | 1230 |
| UN-No. (ADN) : | 1230 |
| UN-No. (RID) : | 1230 |

14.2. UN proper shipping name

| | |
|--|--------------------------------|
| Proper Shipping Name (ADR) : | METHANOL |
| Proper Shipping Name (IMDG) : | METHANOL |
| Proper Shipping Name (IATA) : | METHANOL |
| Proper Shipping Name (ADN) : | METHANOL |
| Proper Shipping Name (RID) : | METHANOL |
| Transport document description (ADR) : | UN 1230, METHANOL, 3 (6.1), II |
| Transport document description (IMDG) : | UN 1230, METHANOL, 3 (6.1), II |
| Transport document description (IATA) : | UN 1230, METHANOL, 3 (6.1), II |
| Transport document description (ADN) : | UN 1230, METHANOL, 3 (6.1), II |
| Transport document description (RID) : | UN 1230, METHANOL, 3 (6.1), II |





14.3. Transport hazard class(es)

ADR

| | |
|-------------------------------------|--|
| Transport hazard class(es) : | 3 (6.1) |
| Danger labels : | 3, 6.1  |

IMDG

| | |
|-------------------------------------|---------|
| Transport hazard class(es) : | 3 (6.1) |
|-------------------------------------|---------|

| | |
|---|--|
| Danger labels : | 3, 6.1  |
| IATA | |
| Transport hazard class(es) : | 3 (6.1) |
| Danger labels : | 3, 6.1  |
| ADN | |
| Transport hazard class(es) : | 3 (6.1) |
| Danger labels : | 3, 6.1  |
| RID | |
| Transport hazard class(es) : | 3 (6.1) |
| Danger labels : | 3, 6.1  |
| 14.4. Packing group | |
| Packing group (ADR) : | II |
| Packing group (IMDG) : | II |
| Packing group (IATA) : | II |
| Packing group (ADN) : | II |
| Packing group (RID) : | II |
| 14.5. Environmental hazards | |
| Dangerous for the environment : | No |
| Marine pollutant : | No |
| Other information : | No supplementary information available |
| 14.6. Special precautions for user | |
| - Overland transport | |

Classification code (ADR) : FT1
 Special provision (ADR) : 279
 Limited quantities (ADR) : 1L
 Excepted quantities (ADR) : E2
 Packing instructions (ADR) : P001, IBC02
 Mixed packing provisions (ADR) : MP19
 Portable tank and bulk container
 instructions (ADR)
 : T7
 Portable tank and bulk container special
 provisions (ADR)
 : TP2
 Tank code (ADR) : L4BH
 Tank special provisions (ADR) : TU15
 Vehicle for tank carriage : FL
 Transport category (ADR) : 2
 Special provisions for carriage - Loading,
 unloading and handling (ADR)
 : CV13, CV28
 Special provisions for carriage - Operation
 (ADR)
 : S2, S19
 Hazard identification number (Kemler No.) : 336
 Orange plates :
 Tunnel restriction code (ADR) : D/E
 EAC code : 2WE
 APP code : A(fl)

- Transport by sea

| | |
|---------------------------------|-----------|
| Special provision (IMDG) | 279 |
| Limited quantities (IMDG) | 1 L |
| Excepted quantities (IMDG) | E2 |
| Packing instructions (IMDG) | P001 |
| IBC packing instructions (IMDG) | IBC02 |
| Tank instructions (IMDG) | T7 |
| Tank special provisions (IMDG) | TP2 |
| EmS-No. (Fire) | F-E |
| EmS-No. (Spillage) | S-D |
| Stowage category (IMDG) | B |
| Stowage and handling (IMDG) | SW2 |
| Flash point (IMDG) | 12°C c.c. |
| MFAG-No | 131 |

- Air transport

PCA Excepted quantities (IATA) : E2
PCA Limited quantities (IATA) : Y341
PCA limited quantity max net quantity (IATA)
: 1L
PCA packing instructions (IATA) : 352
PCA max net quantity (IATA) : 1L
CAO packing instructions (IATA) : 364
CAO max net quantity (IATA) : 60L
Special provision (IATA) : A104, A113
ERG code (IATA) : 3L

- Inland waterway transport

Not regulated

- Rail transport

Not regulated

14.7. Transport in bulk according to Annex II of MARPOL 73/78 and the IBC Code

Not applicable

15. Regulatory information

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

15.1.1 EU-Regulations :

Contains no substances with Annex XVII restrictions
Contains no REACH candidate substance
Contains no REACH Annex XIV substances.

15.1.2. National regulations

Germany

AwSV/VwVwS Annex reference : Water hazard class (WGK) 2, hazardous to water (Classification according to AwSV, Annex 1)
12th Ordinance Implementing the Federal Immission Control Act - 12.BImSchV
: Is not subject of the 12. BImSchV (Hazardous Incident Ordinance)

Denmark

Class for fire hazard : Class I-1
Store unit : 1 liter
Classification remarks : F ; Emergency management guidelines for the storage of flammable liquids must be followed
Recommendations Danish Regulation : Young people below the age of 18 years are not allowed to use the product
Pregnant/breastfeeding women working with the product must not be in direct contact with the product

15.2 Chemical Safety Assessment

No additional information available

16. Other Information

Full text of H- and EUH-phrases:

Acute Tox. 3 (Dermal) Acute toxicity (dermal), Category 3

Acute Tox. 3 (Inhalation) Acute toxicity (inhal.), Category 3

Acute Tox. 3 (Inhalation:gas) Acute toxicity (inhalation:gas) Category 3

Acute Tox. 3 (Oral) Acute toxicity (oral), Category 3

Acute Tox. 4 (Oral) Acute toxicity (oral), Category 4

Aquatic Chronic 3 Hazardous to the aquatic environment " Chronic Hazard, Category 3

Eye Dam. 1 Serious eye damage/eye irritation, Category 1

Flam. Liq. 2 Flammable liquids, Category 2

STOT SE 1 Specific target organ toxicity " single exposure, Category 1

H225 Highly flammable liquid and vapour

H301 Toxic if swallowed

H302 Harmful if swallowed

H311 Toxic in contact with skin

H318 Causes serious eye damage

H331 Toxic if inhaled

H370 Causes damage to organs

H412 Harmful to aquatic life with long lasting effects