

MATERIAL SAFETY DATA SHEET

MAY AND GRUNWALD'S STAINING SOLUTION MSDS CAS : -

Section 1: Chemical Product and Company Identification

Section 1: Chemical Product

Product Name : MAY AND GRUNWALD'S STAINING SOLUTION

CAS#: Not available.

C.I. No.: Not available.

Synonym : Not available.

Chemical Name: Not available.

Chemical Formula: Not available.

Brand: OXFORD

Details Of The Supplier Of The Safety Data Sheet:

Company identification: **OXFORD LAB FINE CHEM LLP**
Unit. No. 12, 1st Floor, Neminath Industrial Estate No. 6,
Navghar, Vasai (East). Palghar - 401 210.
Mumbai, Maharashtra, INDIA.
Tel: 91-250-2390989
Tel/Fax: 91-250-2390032

Section 2: Composition and Information on Ingredients

Composition:

Name	CAS #	% by Weight
MAY AND GRUNWALD'S STAINING SOLUTION	-	100

Section 3: Hazards Identification

Classification of the substance or mixture

Classification according to Regulation (EC) No 1999/45

Classification : T; R23/24/25-R39/23/24/25

Hazard Class and Category Code(s), Regulation (EC) No 1272/2008 (CLP)

Health hazards : Specific Target Organ Toxicity - Single exposure - Category 1 - Danger
(CLP :STOT SE 1) H370
Acute toxicity, dermal - Category 3 - Danger (CLP : Acute Tox. 3) H311
Acute toxicity, Inhalation - Category 3 - Danger (CLP : Acute Tox. 3) H331
Acute toxicity, Oral - Category 3 - Danger (CLP : Acute Tox. 3) H301

Other hazards : The substance does not fulfil the criteria to be identified as PBT substance or vPvB substance according to Annex XIII of Regulation REACH.

Section 4: First Aid Measures

Description of first aid measures

Inhalation

Specific treatment (see on this label). Immediately call a POISON CENTER or doctor. Remove to fresh air and keep at rest in a position comfortable for breathing.

Skin contact

Remove affected clothing and wash all exposed skin area with mild soap and water, followed by warm water rinse. Wash contaminated clothing before reuse. Immediately call a POISON CENTER or doctor. Specific treatment (see on this label). Wash with plenty of soap and water. Remove/Take off immediately all contaminated clothing.

Eye contact

Obtain medical attention if pain, blinking or redness persist. Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.

Ingestion :

Do NOT induce vomiting. Rinse mouth. Specific treatment (see on this label). Immediately call a POISON CENTER or doctor.

Most important symptoms and effects, both acute and delayed

Symptoms relating to use : Repeated exposure to this material can result in absorption through skin causing significant health hazard. Danger of serious damage to health by prolonged exposure through

Section 4: First Aid Measures (Continued)

inhalation. Swallowing a small quantity of this material will result in serious health hazard. Causes damage to organ.

Indication of any immediate medical attention and special treatment needed

General information : Never give anything by mouth to an unconscious person. If you feel unwell, seek medical advice (show the label where possible).

Section 5: Fire and Explosion Data

Extinguishing media

Extinguishing media

Suitable extinguishing media

: Foam, Dry powder, Carbon dioxide, Water spray, Sand.

Unsuitable extinguishing media

: Do not use a heavy water stream.

Surrounding fires

: Use water spray or fog for cooling exposed containers.

Special hazards arising from the substance or mixture

Flammable class

: Highly flammable liquid and vapour.

Hazardous combustion products

: Under fire conditions, hazardous fumes will be present.

Advice for fire-fighters

Protection against fire

: Do not enter fire area without proper protective equipment, including respiratory protection.

Special procedures

: Exercise caution when fighting any chemical fire. Avoid (reject) fire-fighting water to enter environment.

Section 6: Accidental Release Measures

Personal precautions, protective equipment and emergency procedures

For emergency responders

: Equip cleanup crew with proper protection.
Ventilate area.

Avoid breathing dust, fume, gas, mist, vapours, spray.

Technical measures

: Use special care to avoid static electric charges.

Special precautions

: Remove ignition sources. No naked lights. No smoking.

For non-emergency personnel

: Evacuate unnecessary personnel.

Environmental precautions

Section 6: Accidental Release Measures (continued)

- Environmental precautions** : Prevent entry to sewers and public waters. Notify authorities if product enters sewers or public waters.
- Methods and materials for containment and cleaning up**
- Clean up methods** : Soak up spills with inert solids, such as clay or diatomaceous earth as soon as possible. Store away from other materials. Collect spillage.
- Reference to other sections**
See section 8. Exposure controls/personal protection

Section 7: Handling and Storage

Precautions for safe handling

- Handling** : Handle empty containers with care because residual vapours are flammable. Use only outdoors or in a well-ventilated area. Do not eat, drink or smoke when using this product. Wash thoroughly after handling. Do not breathe dust, fume, gas, mist, vapours, spray.
- Technical protective measures** : Provide good ventilation in process area to prevent formation of vapour. Proper grounding procedures to avoid static electricity should be followed. Use explosion-proof electrical, ventilating, lighting, ..., equipment.

Conditions for safe storage, including any incompatibilities

- Storage** : Keep only in the original container in a cool, well ventilated place. Keep in fireproof place. Keep container tightly closed. Ground/bond container and receiving equipment.
- Storage - away from** : Strong bases. Strong acids. Sources of ignition. Direct sunlight.
- Specific end uses**
- Specific end use(s)** : None.

Section 8: Exposure Controls/Personal Protection

Personal protection

• Respiratory protection

- : Avoid all unnecessary exposure.
- : In case of insufficient ventilation, wear suitable respiratory equipment. Where exposure through inhalation may occur from use, respiratory protection equipment is recommended.

• Hand protection

- : Wear protective gloves.

• Eye protection

- : Chemical goggles or safety glasses.

• Others

- : When using, do not eat, drink or smoke.

Control parameters

Occupational Exposure Limits

- : No data available.

Occupational Exposure Limits

- : Methanol : OEL (UK)-LTEL [ppm] : 200
- Methanol : OEL (UK)-STEL [ppm] : 250
- Methanol : ILV (EU) - 8 H - [mg/m³] : (260 Skin.)
- Methanol : ILV (EU) - 8 H - [ppm] : (200 Skin.)
- Methanol : HTP-värden - 8 H - [ppm] : 200
- Methanol : HTP-värden - 15min - [ppm] : 250
- Methanol : HTP-värden - 8 H - [mg/m³] : 270
- Methanol : HTP-värden - 15min - [mg/m³] : 330
- Methanol : NGV - [ppm] : 200
- Methanol : NGV - [mg/m³] : 250
- Methanol : KTV - [ppm] : 250
- Methanol : KTV - [mg/m³] : 350
- Methanol : VLA-ED [ppm] : 200
- Methanol : VLA-ED [mg/m³] : 266
- Methanol : VLA-EC [ppm] : 250
- Methanol : VLA-EC [mg/m³] : 333

Section 9: Physical and Chemical Properties

Information on basic physical and chemical properties

Physical state at 20 °C

- : Liquid

Colour

- : Colourless

Odour

- : Characteristics

Odour threshold

- : No data available.

pH value

- : Not applicable.

Melting point [°C]

- : -98°C

Decomposition point [°C]

- : N/A

Critical temperature [°C]

- : N/A

Section 9: Physical and Chemical Properties(Continued)

Auto-ignition temperature [°C]	: N/A
Flammability (solid, gas)	: Flammable. : Highly flammable liquid and vapour.
Flash point [°C]	: No data available.
Boiling point [°C]	: 65 °C
Initial boiling point [°C]	: N/A
Final boiling point [°C]	: N/A
Evaporation rate	: N/A
Vapour pressure [20°C]	: N/A
Vapour pressure mm/Hg	: N/A
Vapour density	: N/A
Density [g/cm ³]	: 0.79
Relative density, gas (air=1)	: N/A
Relative density, liquid (water=1)	: N/A
Solubility in water [% weight]	: Complete
Solubility in water	: N/A
Log Pow octanol / water at 20°C	: No data available.
Solubility	: N/A
Viscosity at 40°C [mm ² /s]	: N/A

Other information

Explosive properties	: N/A
Explosion limits - upper [%]	: N/A
Explosion limits - lower [%]	: N/A
Oxidising properties	: No data available.

Section 10: Stability and Reactivity Data

Reactivity

Reactivity : Not established.

Chemical stability

Chemical stability : Stable under recommended storage conditions.

Possibility of hazardous reactions

Hazardous reactions : Not established.

Conditions to avoid

Conditions to avoid : Direct sunlight. Extremely high or low temperatures.

Incompatible materials

Materials to avoid : Strong acids. Strong bases.

Hazardous decomposition products

Hazardous decomposition products : Fumes. Carbon monoxide. Carbon dioxide.
May release flammable gases.

Section 11: Toxicological Information

Information on toxicological effects

Acute toxicity

- | | |
|---------------|---|
| • Inhalation | : Toxic if inhaled. |
| • Dermal | : Toxic in contact with skin. |
| • Ingestion | : Toxic if swallowed. |
| Corrosion | : Based on available data, the classification criteria are not met. |
| Irritation | : Based on available data, the classification criteria are not met. |
| Sensitization | : Based on available data, the classification criteria are not met. |
| Mutagenicity | : Based on available data, the classification criteria are not met. |

Section 11: Toxicological Information (continued)

Carcinogenicity	: Based on available data, the classification criteria are not met.
Toxic for reproduction	: Based on available data, the classification criteria are not met.
STOT-single exposure	: Causes damage to organ.
	: Causes damage to organ.
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.

Section 12: Ecological Information

Toxicity

Toxicity information : The product has been not fully tested. The calculated risk has been done under the requirements of the EU regulations.

Persistence – degradability

Persistence - degradability : Biodegradable.

Bioaccumulative potential

Bioaccumulative potential : Not established.

Mobility in soil

Mobility in soil : Not established.

Results of PBT and vPvB assessment

Results of PBT and vPvB assessment : The substance does not fulfil the criteria to be identified as PBT substance or vPvB substance according to Annex XIII of Regulation REACH.

Other adverse effects

Environmental precautions : Avoid release to the environment.

Section 13: Disposal Considerations

Waste treatment methods

General : Avoid release to the environment. Dispose in a safe manner in accordance with local/national regulations. Dispose of this material and its container to hazardous or special waste collection point, in accordance with local, regional, national and/or international regulation.

Special precautions : Hazardous waste due to toxicity. Handle empty containers with care because residual vapours are flammable.

Section 14: Transport Information

Land transport (ADR-RID)

Proper shipping name	: METHANOL
UN N°	: 1230
H.I. nr	: 336
ADR - Class	: 3
Labelling - Transport	: 3 : Flammable liquid. 6.1 : Toxic substances.
ADR - Group	: II

Sea transport (IMDG) [English only]

Proper shipping name	: METHANOL
UN N°	: 1230
IMO-IMDG - Class or division	: 3 : Flammable liquid. (6.1 : Toxic substances.)
IMO-IMDG - Packing group	: II

Air transport (ICAO-IATA) [English only]

Proper shipping name	: METHANOL
UN N°	: 1230
IATA - Class or division	: 3 : Flammable liquid. (6.1 : Toxic substances.)
IATA - Packing group	: II

Section 15: Other Regulatory Information

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

Safety, health and environmental : Ensure all national/local regulations are observed.
regulations/legislation specific for
the substance or mixture

REACH Restrictions - Annex XVII : The components of this product are not subject to restrictions.

REACH Authorisation - Annex XIV : The components of this product are not subject to authorization.

Chemical Safety Assessment

Chemical Safety Assessment : It has not been carried out.

Section 16 - Additional Information

References: Not available.

Other Special Considerations: Not available.

Disclaimer:

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