



**Qualikems**

# Qualikems Lifesciences Pvt. Ltd.

(Formerly known as Qualikems fine chem Pvt Ltd)

Works : Plot No. 68-69,G.I.D.C Industrial Estate,Nandesari,Vadodara-391340 (Gujarat)

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

### Product identifiers

Product name : Wright's Staining Solution

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

Identified uses : Laboratory chemicals, Industrial & for professional use only.

### Details of the supplier of the safety data sheet

Company : Qualikems Lifesciences Pvt Ltd

Works : Plot No. 68.69,G.I.D.C Industrial  
Estate, Nandesari, Vadodara-391340 (Gujarat)

### Emergency telephone number

Emergency Phone # : +91-265-2841531 (9:00am - 6:30 pm) [Office hours]

## SECTION 2. Hazards Identification

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

|  |      |
|--|------|
| Flammable liquids,<br>Category 2                                   | H225 |
| Acute toxicity (oral),<br>Category 3                               | H301 |
| Acute toxicity (dermal),<br>Category 3                             | H311 |
| Acute toxicity<br>(inhalation:gas) Category 3                      | H331 |
| Serious eye damage/eye<br>irritation, Category 1                   | H318 |
| Specific target organ<br>toxicity — single<br>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

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

Hazard pictograms (CLP)



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-ventilated place. Keep container tightly closed

### Other hazards

No additional information available

## SECTION 3. Composition/Information on Ingredients

### Substance

Not applicable

### Mixtures

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

Full text of H-phrases: see section 16

## SECTION 4. First Aid Measures

### Description of first aid measures

First-aid measures general : Call a POISON CENTER or doctor/physician. Specific treatment (see ... on this label).  
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).

### Most important symptoms and effects, both acute and delayed

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.

**Indication of any immediate medical attention and special treatment needed**

Treat symptomatically.

**SECTION 5. Fire Fighting Measures**

**Extinguishing media**

Suitable extinguishing media : dry chemical powder, alcohol-resistant foam, carbon dioxide (CO<sub>2</sub>).  
Unsuitable extinguishing media : Do not use extinguishing media containing water.

**Special hazards arising from the substance or mixture**

Fire hazard : Highly flammable liquid and vapour.

**Advice for firefighters**

Protection during firefighting : Do not attempt to take action without suitable protective equipment.

**SECTION 6 Accidental Release Measures**

**Personal precautions, protective equipment and emergency procedures**

**For non-emergency personnel**

Emergency procedures : Evacuate unnecessary personnel.

**For emergency responders**

Protective equipment : Use personal protective equipment as required.  
Emergency procedures : Stop release. Ventilate area

**Environmental precautions**

Avoid release to the environment.

**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.

**Reference to other sections**

No additional information available

**SECTION 7 Handling and Storage**

**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.

**Conditions for safe storage, including any incompatibilities**

Storage conditions : Store in original container. Store in a dry place. Protect from Sunlight.

**Specific end use(s)**

No additional information available

**SECTION 8 Exposure Controls/Personal Protection**

**Control parameters**

No additional information available

**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

## SECTION 9 Physical and chemical properties

### 9.1 Information on basic physical and chemical properties

|  |                                       |
|--|---------------------------------------|
| Physical state                             | : Liquid                              |
| Colour                                     | : Clear Colorless.                    |
| Odour                                      | : dark blue.                          |
| Odour threshold                            | : No data available                   |
| pH   | : No data available                   |
| Relative evaporation rate (butylacetate=1) | : No data available                   |
| Melting point                              | : 17.9 °C                             |
| Freezing point                             | : No data available                   |
| Boiling point                              | : 64.5 °C                             |
| Flash point                                | : 11 °C                               |
| Auto-ignition temperature                  | : 393 °C                              |
| Decomposition temperature                  | : No data available                   |
| Flammability (solid, gas)                  | : Flammable                           |
| Vapour pressure                            | : 97.68 mm Hg (at 20°C)               |
| Relative vapour density at 20 °C           | : 3.17                                |
| Relative density                           | : No data available                   |
| Density                                    | : 0.85 g/cm <sup>3</sup>              |
| 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 safety information

No additional information available

## SECTION 10 Stability and Reactivity

### Reactivity

No additional information available

### Chemical stability

Stable under normal conditions.

### Possibility of hazardous reactions

No additional information available

### Conditions to avoid

Overheating. Open flame. Heat. Sparks.

### Incompatible materials

No additional information available

### Hazardous decomposition products

No additional information available

## SECTION 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.

## SECTION 12 Ecological Information

### Toxicity

No additional information available

### Persistence and degradability

No additional information available

### Bioaccumulative potential

No additional information available

### Mobility in soil

No additional information available

### Results of PBT and vPvB assessment

No additional information available

### Other adverse effects

No additional information available

## SECTION 13 Disposal Considerations

### 13.1. Waste treatment methods

Product/Packaging disposal : Dispose of contents/container to recommendations

Ecology - waste materials : Hazardous waste due to toxicity.

## SECTION 14 Transport Information

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

### UN number

UN-No. (ADR) 1230  
 UN-No. (IMDG) 1230  
 UN-No. (IATA) 1230  
 UN-No. (ADN) : Not regulated  
 UN-No. (RID) : Not regulated

### UN proper shipping name

Proper Shipping Name (ADR) : METHANOL  
 Proper Shipping Name (IMDG) : METHANOL  
 Proper Shipping Name (IATA) : METHANOL  
 Proper Shipping Name (ADN) : Not regulated  
 Proper Shipping Name (RID) : Not regulated  
 Transport document description (ADR) : UN 1230 METHANOL, 3 (6.1), II, (D/E)  
 Transport document description (IMDG) : UN 1230 METHANOL, 3 (6.1), II (12°C c.c.)  
 Transport document description (IATA) : UN 1230 METHANOL, 3 (6.1), II

### Transport hazard class(es)

#### ADR

Transport hazard class(es) (ADR) : 3.(6.1)  
 Danger labels (ADR) : 3, 6.1



GHS02



GHS06

#### IMDG

Transport hazard class(es) (IMDG) : 3.(6.1)  
 Danger labels (IMDG) : 3, 6.1



GHS02



GHS06

#### IATA

Transport hazard class(es) (IATA) : 3.(6.1)  
 Danger labels (IATA) : 3.6.1



GHS02



GHS06

**ADN**

Transport hazard class(es) (ADN) : Not regulated

**RID**

Transport hazard class(es) (RID) : Not regulated

**Packing group**

|                      |                 |
|----------------------|-----------------|
| Packing group (ADR)  | II              |
| Packing group (IMDG) | II              |
| Packing group (IATA) | II              |
| Packing group (ADN)  | : Not regulated |
| Packing group (RID)  | : Not regulated |

**Environmental hazards**

|                               |  |
|-------------------------------|--|
| Dangerous for the environment | : No                                     |
| Marine pollutant              | : No                                     |
| Other information             | : No supplementary information available |

**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   | : 336         |
|   | : 1230        |
| 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

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

Not applicable

**SECTION 15 Regulatory Information**

**Safety health and environment regulations/legislation specific for the substance or mixture**

**EU-Regulations**

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

Contains no REACH Annex XIV substances.

**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 Ordinance) Immission Control Act - 12.BImSchV : Is not subject of the 12. BImSchV (Hazardous Incident)

**Denmark**

Class for fire hazard : Class I-1  
Store unit : 1 liter  
Classification remarks : F <Flam. Liq. 2>; Emergency management guidelines for the storage of Flammable liquids must be followed  
Recommendations Danish Regulation product : 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

**SECTION 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                   |

**Further information**

The above information is believed to be correct but does not purport to be all inclusive and shall be used only as a guide. The information in this document is based on the present state of our knowledge and is applicable to the product with regard to appropriate safety precautions. It does not represent any guarantee of the properties of the product. Qualikems Lifesciences Pvt. Ltd and its Affiliates shall not be held liable for any damage resulting from handling or from contact with the above product. See [www.qualikems.com](http://www.qualikems.com) for additional terms and conditions of sale