1 Identification of the substances/ mixture and of the company/ undertaking

1.1 Product Identifiers
Product Number R016
Product Name W.B.C. Diluting Fluid
REACH Registration Number This product is a mixture. Reach registration number is not available for this mixture.

1.2 Relevant identified uses of the substance or mixture and uses advised against
1.2.1 Relevant identified uses Laboratory Chemicals, Analytical Purpose, Biochemical Analysis
For InVitro Diagnostic Use

1.3 Details of the supplier of the safety data sheet
Produced by HiMedia Laboratories Private Limited
Address 23, Vadhani Industrial Estate, LBS Marg, Ghatkopar (W), Mumbai - 400 086 India
Tel. No. +91-22-2500 0970, +91-22-2500 1607 Fax No. : +91-22-25002468
Mail Id info@himedialabs.com Website : www.himedialabs.com

1.4 Emergency Tel. No.
Emergency Tel. No. Please contact the regional HiMedia representation in your country

2 Hazards Identification

2.1 Classification of the substance or mixture
CLP Classification-Regulation (EC) No. 1272/2008[EU-GHS/CLP]
Skin corrosion or irritation, (Category 2), H315
Serious eye damage or eye irritation, (Category 2A), H319
Germ cell mutagenicity, (Category 2), H341
Carcinogenicity, (Category 1A), H350
Carcinogenicity, (Category 1B), H350
Flammable liquids, (Category 3), H226
Hazardous to the aquatic environment, long term hazard, (Category 2), H411

2.2 Label elements
Labeling according to Regulation (EC) No.1272/2008

Pictogram
Signal word Danger

Hazard Statement(s)
H315 Causes skin irritation
H319 Causes serious eye irritation
H341 Suspected of causing genetic defects
H350  May cause cancer  
H226  Flammable liquid and vapour  
H411  Toxic to aquatic life with long lasting effects  

Precautionary Statement(s)  
P280  Wear protective gloves/protective clothing/eye protection/face protection.  
P201  Obtain special instructions before use.  
P273  Avoid release to the environment.  
P302 + P352  IF ON SKIN: wash with plenty of soap and water.  
P305+P351+P338  IF IN EYES:  Rinse cautiously with water for several minutes.  Remove contact lenses, if present and easy to do.  Continue rinsing.  

2.3  Other Hazards  
None  

3  Composition/Information On Ingredients  

3.2  Mixture  

<table>
<thead>
<tr>
<th>Component</th>
<th>Classification</th>
<th>Concentration</th>
</tr>
</thead>
<tbody>
<tr>
<td>Glacial acetic acid</td>
<td></td>
<td></td>
</tr>
<tr>
<td>CAS No. :</td>
<td>64-19-7</td>
<td></td>
</tr>
<tr>
<td>EC No. :</td>
<td>200-580-7</td>
<td>&gt;=1 &lt;=5%</td>
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<tr>
<td>Index-No :</td>
<td>607-002-00-6</td>
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<tr>
<td></td>
<td>As Per EC Regulation 1272/2008</td>
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<tr>
<td></td>
<td>Flam. Liq. 3; Skin Corr. 1A H226; H314</td>
<td></td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Component</th>
<th>Classification</th>
<th>Concentration</th>
</tr>
</thead>
<tbody>
<tr>
<td>Gentian Violet</td>
<td></td>
<td></td>
</tr>
<tr>
<td>CAS No. :</td>
<td>548-62-9</td>
<td>&gt;=0.5 &lt;=3%</td>
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<tr>
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<td></td>
<td>As Per EC Regulation 1272/2008</td>
<td></td>
</tr>
<tr>
<td></td>
<td>Carc. 2; Aquatic Chronic 2 H351; H411</td>
<td></td>
</tr>
</tbody>
</table>

Refer Section 16 for complete statement of H codes & classification.  

4  First Aid Measures  
4.1  Description of first aid measures  

**General advice**  
Consult a physician. Show this safety data sheet to the doctor in attendance.  

**If inhaled**
If breathed in, move person into fresh air. If not breathing, give artificial respiration. Consult a physician.

**In case of skin contact**
Wash with plenty of soap and water. Consult a physician.

**In case of eye contact**
Rinse immediately with plenty of water for at least 15 minutes. Consult a physician.

**If swallowed**
Never give anything by mouth to an unconscious person. Rinse mouth with water. Consult a physician.

4.2 **Most important symptoms and effects, both acute and delayed**
No data available.

4.3 **Indication of immediate medical attention and special treatment needed**
No data available

5 **Fire Fighting Measures**

5.1 **Extinguishing media**

*Suitable extinguishing media*
Use water spray, alcohol-resistant foam, dry chemical or carbon dioxide.

*Unsuitable extinguishing media*
No data available.

5.2 **Special hazards arising from the substance or mixture**
Nature of decomposition products unknown

5.3 **Precautions for fire-fighters**
Wear self contained breathing apparatus for fire fighting if necessary

5.4 **Further information**
No data available

6 **Accidental Release Measures**

6.1 **Personal precautions, protective equipment and emergency procedures**
Wear respiratory protection. Avoid breathing vapours, mist or gas. Ensure adequate ventilation. Evacuate personnel to safe areas.

6.2 **Environmental precautions**
Prevent further leakage or spillage if safe to do so. Do not let product enter drains.

6.3 **Methods and materials for containment and cleaning up**
Soak up with inert absorbent material. Keep in suitable, closed containers for disposal.

6.4 **Reference to other sections**
For disposal see Section 13.

7 **Handling and Storage**

7.1 **Precautions for safe handling**
Avoid contact with skin and eyes. Avoid inhalation of vapour or mist. Normal measures for preventive fire protection.

7.2 **Conditions for safe storage, including any incompatibilities**
Store in cool place. Keep container tightly closed in a dry and well-ventilated place. Containers which are opened must be carefully resealed and kept upright to prevent leakage.

**Recommended Storage Temperature**: On receipt store between 10-30°C

### 7.3 Specific end uses
Apart from the uses mentioned in section 1.2 no other specific uses are stipulated.

### 8 Exposure Controls/Personal Protection

#### 8.1 Control parameters
Components with workplace control parameters

#### 8.2 Exposure controls
- **Appropriate engineering controls**
- **Personal protective equipment**
- **Hygiene measure**
  - Immediately change contaminated clothing. Apply preventive skin protection. Wash hands and face after working with the product.

- **Eye/face protection**
  - Tightly fitting safety goggles; Faceshield (8-inch minimum). Use equipment for eye protection tested and approved under appropriate government standards such as NIOSH (US) or EN 166 (EU).

- **Skin protection**
  - Handle with gloves. Gloves must be inspected prior to use. Use proper glove removal technique (without touching glove's outer surface) to avoid skin contact with this product. Dispose contaminated gloves after use in accordance with applicable laws and good laboratory practices. Wash and dry hands. The selected protective gloves have to satisfy the specifications of EU Directive 89/686/EEC and the standard EN 374 derived from it.

- **Body protection**
  - Complete suit protecting against chemicals. The type of protective equipment must be selected according to the concentration and amount of the dangerous substance at the specific workplace.

- **Respiratory protection**
  - Where risk assessment shows air-purifying respirators are appropriate use a full-face respirator with multi-purpose combination (US) or type ABEK (EN 14387) respirator cartridges as a backup to engineering controls. If the respirator is the sole means of protection, use a full-face supplied air respirator. Use respirators and components tested and approved under appropriate government standards such as NIOSH (US) or CEN (EU).

#### Environment exposure controls
- Do not empty into drains.

### 9 Physical and chemical properties

#### 9.1 Information on basic physical and chemical properties

<table>
<thead>
<tr>
<th>Property</th>
<th>Value</th>
</tr>
</thead>
<tbody>
<tr>
<td>Appearance</td>
<td>Purple coloured clear solution</td>
</tr>
<tr>
<td>Odour</td>
<td>No data available</td>
</tr>
<tr>
<td>Odour Threshold</td>
<td>No data available</td>
</tr>
<tr>
<td>pH</td>
<td>2.00 - 2.40</td>
</tr>
<tr>
<td>Melting/freezing point</td>
<td>No data available</td>
</tr>
<tr>
<td>Initial boiling point and boiling range</td>
<td>No data available</td>
</tr>
<tr>
<td>Flash point</td>
<td>No data available</td>
</tr>
<tr>
<td>Flammability (Solid, gas)</td>
<td>No data available</td>
</tr>
<tr>
<td>Vapour pressure</td>
<td>No data available</td>
</tr>
</tbody>
</table>
### Relative density
No data available

### Water Solubility
No data available

### Partition coefficient: n-octanol/water
No data available

### Autoignition Temperature
No data available

### Viscosity
No data available

### Explosive properties
No data available

### Oxidizing properties
No data available

### Vapour density
No data available

### Thermal decomposition
No data available

#### 9.2 Other safety information
No data available

---

#### 10 Stability and Reactivity

##### 10.1 Reactivity
No data available

##### 10.2 Chemical stability
No data available

##### 10.3 Possibility of hazardous reactions
No data available

##### 10.4 Conditions to avoid
No data available

##### 10.5 Incompatible materials
No data available

##### 10.6 Hazardous decomposition products
Refer Section 5.2

---

#### 11 Toxicological Information

##### 11.1 Information on toxicological effects

*Acute toxicity*
No data available

*Specific target organ toxicity- single exposure*
No data available

*Potential Health Effects*

*Inhalation*
REFER SECTION II

*Skin*
REFER SECTION II
**Eyes**  
REFER SECTION II

**Ingestion**  
REFER SECTION II

### 11.2 Components

**Glacial acetic acid**

*Acute oral toxicity*
Mouse LD50: 4,960 mg/kg (ECHA)

*Skin irritation*
Rabbit Result: Irritations (As Per OECD Test Guideline 404)

*Eye irritation*
Rabbit Result: Irritant (As Per OECD Test Guideline 405)

*Sensitisation*
No data available

*Ames test*
Salmonella Typhimurium  
Result: Negative (As Per OECD Test Guideline 471)

*Mutagenicity (mammal cell test)*
Micronucleus assay  
Result: Negative (As Per EU Method B.12)

*Carcinogenicity*
No data available

*Toxicity to Reproduction*
No data available

*Teratogenicity*
No data available

**Additional information:**  
RTECS AF1225000

**Gentian violet**

*Acute Toxicity*
Rat oral: LD50 420 mg/kg

*Eye Irritation*
Irritant to eyes

*CMR Effects*
*Carcinogenicity:*
Suspected of causing cancer

**Additional Information:**  
RTECS: BO9000000
12  Ecological Information

12.1  Toxicity

Components:
Glacial acetic acid
Toxicity to fish
Oncorhyncus mykiss (Rainbow trout) LC50: 108mg/L;96h (As per OECD Guideline 203)
Toxicity to aquatic invertebrates
Daphnia magna (Water flea) EC50: 79.5mg/L;48h (As per OECD Guideline 202)
Toxicity to aquatic algae and cyanobacteria
Skeletonoma costatum EC50: >300.82 mg/L;72h (As per ISO 10253)

Component:
Gentian violet
Toxicity to fish
S.gairdnerii: LC50 0.7 mg/l;96 h.
Toxicity to daphnia and other aquatic invertebrates
Daphnia magna (Water flea) EC50: 0.35 mg/l-48 h (As Per OECD Test Guideline 202)
Toxicity to algae
Pseudokirchneriella subcapitata EC50: 0.42 mg/l-72 h (As Per OECD Test Guideline 201)

12.2  Persistence and degradability
No data available

12.3  Bioaccumulative potential
No data available

12.4  Mobility in soil
No data available

12.5  PBT and vPvB assessment
This preparation contains no substance considered to be persistent, bioaccumulating or toxic (PBT) or a very persistent and very bioaccumulative (vPvB) at levels of 0.1% or higher.

12.6  Other adverse effects
Discharge into the environment must be avoided.

13  Disposal Considerations

13.1  Waste treatments methods

Product
Offer surplus and non-recyclable solutions to a licenced disposal company. Contact a licenced professional waste disposal service to dispose off this material.

13.2  Contaminated packaging
Dispose of as unused product.

14  Transport Information

14.1  UN-No
ADNR : ADR : IATA_C : IATA_P : IMDG : RID :
14.2 UN proper shipping name
ADNR : Not dangerous goods
ADR : Not dangerous goods
IATA_C : Not dangerous goods
IATA_P : Not dangerous goods
IMDG : Not dangerous goods
RID : Not dangerous goods

14.3 Transport hazard class(es)
ADNR : - ADR : - IATA_C : - IATA_P : - IMDG : - RID : -

14.4 Packaging group
ADNR : ADR : IATA_C : IATA_P : IMDG : RID :

14.5 Environmental hazards
ADNR : NO ADR : NO IMDG : Marine pollutant - NO IATA_C : NO IATA_P : NO RID : NO

14.6 Special precautions for use
No data available

15 Regulatory Information
This safety datasheet complies with the requirements of Regulation(EC) No. 1907/2006.

15.1 Safety health and environment regulations/legislation specific for the substance or mixture
No data available

15.2 Chemical Safety Assessment
No data available

16 Other information
Text of H codes and classification mentioned in section 3
H226 Flammable liquid and vapour
H314 Causes severe skin burns and eye damage
H351 Suspected of causing cancer
H411 Toxic to aquatic life with long lasting effects
Aquatic Chronic 2 Hazardous to the aquatic environment, long term hazard, Category 2
Carc. 2 Carcinogenicity, Category 2
Flam. Liq. 3 Flammable liquids, Category 3
Skin Corr. 1A Skin corrosion or irritation, Category 1A

Further Information

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