Section 1. Chemical Product and Company Identification

<table>
<thead>
<tr>
<th>Product No.</th>
<th>R40112</th>
</tr>
</thead>
<tbody>
<tr>
<td>Trade name</td>
<td>TB Kinyoun AFB Stain KIt</td>
</tr>
<tr>
<td>Manufacturer</td>
<td>Oxoid Limited</td>
</tr>
<tr>
<td></td>
<td>Wade Road</td>
</tr>
<tr>
<td></td>
<td>Basingstoke</td>
</tr>
<tr>
<td></td>
<td>Hants RG24 8PW</td>
</tr>
<tr>
<td></td>
<td>ENGLAND</td>
</tr>
<tr>
<td></td>
<td>Tel: + 44 (0)1256 841144</td>
</tr>
<tr>
<td></td>
<td>Fax: + 44 (0)1256 463388</td>
</tr>
</tbody>
</table>

| Supplier        | Oxoid Limited |
|                 | Wade Road |
|                 | Basingstoke |
|                 | Hants RG24 8PW |
|                 | ENGLAND |
|                 | Tel: + 44 (0)1256 841144 |
|                 | Fax: + 44 (0)1256 463388 |

Section 2. Hazards Identification

Most Important Hazards

- **TB KINYOUN CARBOLFUCHSIN (R40104)**
  - Flammable. Harmful by inhalation, in contact with skin and if swallowed. Causes burns. Limited evidence of a carcinogenic effect. Possible risk of irreversible effects.

- **TB DECOLORIZER 3% ACID ALCOHOL (R40106)**
  - Highly flammable.

- **TB METHYLENE BLUE (R40110)**
  - Not classified as hazardous.

Section 3. Composition, Information on Ingredients

Preparation - Hazardous ingredients (Europe)

<table>
<thead>
<tr>
<th>Component</th>
<th>CAS No.</th>
<th>Concentration</th>
<th>Classification</th>
<th>Risk Phrases</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>TB KINYOUN CARBOLFUCHSIN (R40104)</strong></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Fuchsin Basic</td>
<td>632-99-5</td>
<td>4.00 % w/v</td>
<td>Carc. Cat.3</td>
<td>R40- Limited evidence of a carcinogenic effect.</td>
</tr>
<tr>
<td></td>
<td>211-189-6</td>
<td></td>
<td>Xi - Irritant.</td>
<td></td>
</tr>
<tr>
<td>Ethanol</td>
<td>64-17-5</td>
<td>19.00 v/v</td>
<td>F - Highly flammable.</td>
<td>R11- Highly flammable.</td>
</tr>
<tr>
<td></td>
<td>200-579-6</td>
<td></td>
<td>T - Toxic.</td>
<td></td>
</tr>
<tr>
<td>Phenol</td>
<td>108-95-2</td>
<td>8.00 % v/v</td>
<td>C - Corrosive.</td>
<td>R23/24/25- Toxic by inhalation, in contact with skin and if swallowed.</td>
</tr>
<tr>
<td></td>
<td>203-632-7</td>
<td></td>
<td>Xn - Harmful.</td>
<td>R48/20/21/22- Harmful: danger of serious damage to health by prolonged exposure</td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td></td>
<td>through inhalation, in contact with skin and if swallowed.</td>
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<tr>
<td></td>
<td></td>
<td></td>
<td></td>
<td>R68- Possible risk of irreversible effects.</td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td>Mut. Cat. 3</td>
<td></td>
</tr>
<tr>
<td><strong>TB DECOLORIZER 3% ACID ALCOHOL (R40106)</strong></td>
<td></td>
<td></td>
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</tr>
<tr>
<td>Hydrochloric Acid</td>
<td>7647-01-0</td>
<td>3.00 % v/v</td>
<td>C - Corrosive.</td>
<td>R34- Causes burns.</td>
</tr>
<tr>
<td></td>
<td>231-595-7</td>
<td></td>
<td>Xi - Irritant.</td>
<td>R37- Irritating to respiratory system.</td>
</tr>
<tr>
<td>Ethanol</td>
<td>64-17-5</td>
<td>97.00 % v/v</td>
<td>F - Highly flammable.</td>
<td></td>
</tr>
<tr>
<td><strong>TB METHYLENE BLUE (R40110)</strong></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Methylene Blue</td>
<td>61-73-4</td>
<td>&lt; 5.00 % w/v</td>
<td>Xi - Irritant.</td>
<td>R41- Risk of serious damage to eyes.</td>
</tr>
<tr>
<td></td>
<td>200-515-2</td>
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</tr>
</tbody>
</table>
SAFETY DATA SHEET
TB Kinyoun AFB Stain KIt

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Section 4. First Aid Measures

First Aid - Eyes
Check for and remove any contact lenses. In case of contact, immediately flush eyes with a copious amount of water for at least 15 minutes. Obtain medical attention.

First Aid - Skin
After contact with skin, wash immediately with a copious amount of water. Obtain medical attention if soreness or redness persists.

First Aid - Ingestion
Have victim drink 1-3 glasses of water to dilute stomach contents. Seek immediate medical attention.

First Aid - Inhalation
If inhaled, remove to fresh air. Seek medical attention if you feel unwell.

Section 5. Fire Fighting Measures

Extinguishing Media - Suitable
SMALL FIRE: Use DRY chemical powder.
LARGE FIRE: Use alcohol foam, water spray or fog.

Section 6. Accidental Release Measures

Personal Precautions
Wear suitable gloves and eye/face protection.

Spill
Absorb with dry earth, sand or other noncombustible material.

Section 7. Handling and Storage

Handling
Keep away from heat. Keep away from sources of ignition. Do not breathe gas/fumes/vapour/spray.

Storage
Store in a segregated and approved area. Keep container in a cool, well-ventilated area. Keep container tightly closed and sealed until ready for use. Avoid all possible sources of ignition (spark or flame).

Section 8. Exposure Controls, Personal Protection

Engineering measures
Good general ventilation should be sufficient to control airborne levels.

Protective Measures - Respiratory
A respirator is not needed under normal and intended conditions of product use.

Protective Measures - Hands
Nitrile gloves.

Protective Measures - Eyes
Safety glasses or chemical goggles to EN166, 167 and 168.

Protective Measures - Body
Lab coat.

Section 9. Physical and Chemical Properties

Physical state
Liquid.

Colour
TB KINYOUAN CARBOLFUCHSIN (R40104) - Red.
TB DECOLORIZER (R40106) - Colourless.
TB METHYLENE BLUE (R40110) - Blue.

Section 10. Stability and Reactivity

Stability
The product is stable.

Conditions to Avoid
Avoid all possible sources of ignition (spark or flame).

Hazardous decomposition products
carbon oxides (CO, CO2)
SAFETY DATA SHEET
TB Kinyoun AFB Stain KIt

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Section 11. Toxicological Information

Acute toxicity
Harmful by inhalation, in contact with skin and if swallowed.

Eye irritation
Hazardous in case of eye contact (corrosive).

Skin irritation
Hazardous in case of skin contact (corrosive).

Chronic toxicity / Carcinogenic effects
EU Category 3: Cause concern owing to possible mutagenic effects.
EU Category 3: Cause concern owing to possible carcinogenic effects.

Section 12. Ecological Information

Ecotoxicity
No relevant studies identified.

Section 13. Disposal Considerations

Disposal considerations
Waste must be disposed of in accordance with federal, state and local environmental control regulations.

Section 14. Transport Information

UN : UN number
2924
UN : Proper shipping name
Flammable liquid, corrosive, n.o.s. (TB Kinyoun AFB Stain KIt)
UN : Class
II
UN : Packing group
3/8

Section 15. Regulatory Information

Label Requirements
Highly flammable, Harmful

Risk Phrases
R11- Highly flammable.
R20/21/22- Harmful by inhalation, in contact with skin and if swallowed.
R34- Causes burns.
R40- Limited evidence of a carcinogenic effect.
R66- Possible risk of irreversible effects.

Safety Phrases
S9- Keep container in a well-ventilated place.
S16- Keep away from sources of ignition - No smoking.
S26- In case of contact with eyes, rinse immediately with plenty of water and seek medical advice.
S36/37/39- Wear suitable protective clothing, gloves and eye/face protection.
S45- In case of accident or if you feel unwell, seek medical advice immediately (show the label where possible).

EC Classification
F - Highly flammable.
Xn - Harmful.
Mutagen Category 3

WHMIS (Classification)
Class B-3: Combustible liquid with a flash point between 37.8°C (100°F) and 93.3°C (200°F).
Class E: Corrosive liquid.
### Section 16. Other Information

<table>
<thead>
<tr>
<th>MSDS first issued</th>
<th>01/04/2005</th>
</tr>
</thead>
<tbody>
<tr>
<td>MSDS data revised</td>
<td>24/09/2009</td>
</tr>
<tr>
<td>Revisions Highlighted</td>
<td>Date of issue</td>
</tr>
<tr>
<td>Notes</td>
<td>Classification and labelling have been performed according to EU directives 67/548/EEC, 1999/45/EC, including amendments and the intended use.</td>
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</tbody>
</table>