

### 1. IDENTIFICATION OF THE SUBSTANCE / PREPARATION & COMPANY

Product Name           ACRIDINE ORANGE (1% IN MCILVAINE-LILLIE'S BUFFER)

Product Code           62054X

Supplier                Clin-Tech Limited  
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### 2. COMPOSITION / INFORMATION ON INGREDIENTS

| Name   | EC No.    | CAS-No.   | Content | Classification                       |
|--|-----------|-----------|---------|--------------------------------------|
| METHANOL   | 200-659-6 | 67-56-1   | 3-10%   | F; R11 T; R23/24/25,<br>R39/23/24/25 |
| ACRIDINE ORANGE                                  |           | 494-38-2  | <0.1%   |                                      |
| DISODIUM HYDROGEN<br>ORTHOPHOSPHATE<br>ANHYDROUS | 231-448-7 | 7558-79-4 | <0.1%   |                                      |
| CITRIC ACID                                      | 201-069-1 | 77-92-9   | <0.1%   | Xi; R37/38 R41                       |

The Full Text for all R-Phrases is Displayed in Section 16

### 3. HAZARDS IDENTIFICATION

CLASSIFICATION                           Xn; R20/21/22 R68/20/21/22

- Harmful by inhalation, in contact with skin and if swallowed
- Harmful: possible risk of irreversible effects through inhalation, in contact with skin and if swallowed

### 4. FIRST-AID MEASURES

#### INHALATION

Move the exposed person to fresh air at once. Get medical attention if symptoms occur.

#### INGESTION

DO NOT INDUCE VOMITING! Rinse mouth thoroughly.

#### SKIN CONTACT

Remove contaminated clothing. Wash the skin immediately with soap and water. Get medical attention promptly if symptoms occur after washing.

**EYE CONTACT**

Make sure to remove any contact lenses from the eyes before rinsing. Promptly wash eyes with plenty of water while lifting the eyelids. Continue to rinse for at least 15 minutes. Get medical attention if symptoms occur.

**5. FIRE-FIGHTING MEASURES****EXTINGUISHING MEDIA**

Use fire-fighting media appropriate for surrounding material.

**6. ACCIDENTAL RELEASE MEASURES****PERSONAL PRECAUTIONS**

Wear protective clothing as described in Section 8 of this safety data sheet.

**SPILL CLEAN UP METHODS**

Absorb in vermiculite, dry sand or earth and place into containers. Flush area with water.

**7. HANDLING & STORAGE****USAGE PRECAUTIONS**

Avoid spilling, skin and eye contact. Ventilate well, avoid breathing vapours. Use approved respirator if air contamination is above accepted level.

**STORAGE PRECAUTIONS**

Store in tightly closed original container in a cool, dry well-ventilated place.

**STORAGE CLASS**

Chemical storage.

**8. EXPOSURE CONTROLS / PERSONAL PROTECTION****WORKPLACE EXPOSURE LIMITS**

None assigned.

**PROTECTIVE EQUIPMENT****ENGINEERING MEASURES**

Well-ventilated area.

**RESPIRATORY EQUIPMENT**

No specific recommendation made, but respiratory protection must be used if the general level exceeds the Recommended Workplace Exposure Limit.

**HAND PROTECTION**

Use protective gloves. The most suitable glove must be chosen in consultation with the gloves supplier, who can inform about the breakthrough time of the glove material.

**EYE PROTECTION**

Wear approved safety goggles if there is a risk of splashing during use.

**OTHER PROTECTION**

Provide eyewash station. Wear appropriate clothing to prevent any possibility of liquid contact and repeated or prolonged vapour contact.

**HYGIENE MEASURES**

**DO NOT SMOKE IN WORK AREA!** Wash at the end of each work shift and before eating, smoking and using the toilet. Promptly remove any clothing that becomes contaminated. Wash promptly with soap & water if skin becomes contaminated.

**9. PHYSICAL AND CHEMICAL PROPERTIES**

|                  |  |
|------------------|--|
| APPEARANCE       | Orange Liquid, some dark precipitate may occur |
| ODOUR            | None   |
| SOLUBILITY       | Soluble in water.                              |
| BOILING POINT    | ~ 95°C @ 760 mmHg                              |
| RELATIVE DENSITY | ~ 0.95 @ 20°C                                  |

**10. STABILITY AND REACTIVITY****STABILITY**

Stable under normal temperature conditions and recommended use.

**11. TOXICOLOGICAL INFORMATION****INHALATION**

Not toxic.

**INGESTION**

Not toxic.

**SKIN CONTACT**

Not toxic.

**EYE CONTACT**

Prolonged contact may cause transient eye irritation.

**12. ECOLOGICAL INFORMATION****ECOTOXICITY**

None recorded.

**13. DISPOSAL CONSIDERATIONS****DISPOSAL METHODS**

Dispose of waste and residues in accordance with local authority requirements.

**14. TRANSPORT INFORMATION**

**GENERAL** The product is not covered by international regulation on the transport of dangerous goods (IMDG, IATA, ADR/RID).

**15. REGULATORY INFORMATION****RISK PHRASES**

|              |  |
|--------------|--|
| R20/21/22    | Harmful by inhalation, in contact with skin and if swallowed   |
| R68/20/21/22 | Harmful: possible risk of irreversible effects through inhalation, in contact with skin and if swallowed |

**SAFETY PHRASES**

|        |   |
|--------|---|
| S36/37 | Wear suitable protective clothing and gloves  |
| S45    | In case of accident or if you feel unwell seek medical advice immediately (show the label where possible) |

**STATUTORY INSTRUMENTS**

Control of Substances Hazardous to Health. Chemicals (Hazard Information and Packaging) Regulations.

**GUIDANCE NOTES**

CHIP for everyone HSG(108). Workplace Exposure Limits EH40.

**16. OTHER INFORMATION****GENERAL INFORMATION**

This safety data sheet covers all codes for this product.

**REVISION COMMENTS**

Reformatting.

**REVISION DATE**

02-2009

**REV. NO./REPL. SDS GENERATED**

3 / 09-2006

**RISK PHRASES IN FULL**

|              |  |
|--------------|--|
| R11          | Highly flammable   |
| R20/21/22    | Harmful by inhalation, in contact with skin and if swallowed   |
| R68/20/21/22 | Harmful: possible risk of irreversible effects through inhalation, in contact with skin and if swallowed     |
| R23/24/25    | Toxic by inhalation, in contact with skin and if swallowed   |
| R39/23/24/25 | Toxic: danger of very serious irreversible effects through inhalation, in contact with skin and if swallowed |