







MATERIAL SAFETY DATA SHEET



| Section 1. Company Identification and Product Information | | | |
|--|--|------------------------------|--|
| Product Name or Identity: IR015-Neutral Red Indicator | | | |
| Manufacturer's Name & Address | Micromaster Laboratories Private Limited Unit 38/39, Kalpataru Industrial Estate, Off Ghodbunder Road, Nr. 'R-Mall' Thane (W)-400607. M.S. INDIA. | Emergency Phone No. : | +91 22 25895505/ 25894681 /25894760 |
| Date Prepared or Revised: | 01/January/2006 According to: 91/155/EEC | Email: | micromaster@micromasterlab.com |
| Section 2. Composition / Information on Hazardous Ingredients | | | |
| Ingredients | Grams/Liter | Ingredients | Grams/Liter |
| *Neutral red | 0.10 gm | *Methanol | 60.00 ml |
| Water | 40.00 ml | | |
| * Irritant / Flammable / Toxic material | | | |
|  | Neutral red CAS No. : 553-24-2 R : 22 S : 22-24/25 RTECS : SG 1400000 | | |
|   | Methanol CAS No. : 67-56-1 R : 11-23/24/25-39/23/24/25 S : 7-16-36/37-45 RTECS : PC 1400000 | | |
| Section 3. Health Hazard Identification | | | |
|  | Hazard: Inhalation and ingestion of, or skin penetration by these substances is harmful to one's health. Non-recurring, recurring or lengthy exposure to these substances may result in irreversible damage. Caution : Avoid contact with the human body, including inhalation of the vapors and in cases of Malaise consults a doctor. | | |
|  | Hazard: 1. Liquids with flash points below 0°C and a boiling point/initial boiling point of max. 35°C Caution: Avoid all contact with all sources of ignition. Hazard : 2. Gaseous substances which are flammable in contact with air at ambient temperature And pressure. Caution: Avoid formation of flammable gas-air mixtures and keep away from sources of ignition. | | |
|  | Hazard : The substances are very hazardous to health when breathed, swallowed or in contact with The skin and may even lead to death. Non-recurring, recurring or lengthy exposure to these substances may result in irreversible damage. Caution: Avoid contact with the human body, and immediately consult a doctor in cases of malaise. | | |
| Section 4. First Aid Measures | | | |
| Description of first aid measures | | | |
| General advice Consult a physician. Show this safety data sheet to the doctor in attendance. | | | |
| If inhaled In case of swallowing, wash out mouth with water provided person is conscious. | | | |
| In case of skin contact Flush with copious amounts of water for at least 15 minutes. Remove contaminated clothing and shoes | | | |
| In case of eye contact Wash with copious amounts of water for at least 15 minutes. Assure adequate washing by separating the eyelids with fingers. In serious conditions, call a physician, show the container or label. | | | |

| Section 5. Fire and Explosion Hazard Data |
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| <p>Extinguishing media Suitable extinguishing media Use water spray, alcohol-resistant foam, dry chemical or carbon dioxide. Special fire-fighting procedures. Wear self-contained breathing apparatus and protective clothing to prevent contact with skin and eyes.</p> <p>Advice for firefighters Special fire-fighting procedures. Wear self-contained breathing apparatus and protective clothing to prevent contact with skin and eyes.</p> |
| Section 6. Accidental Release Measures |
| <p>Wear respirator, chemical safety goggles, rubber boots and heavy rubber gloves. Sweep up, place in a bag and hold for waste disposal. Avoid raising dust. Ventilate area and wash spill site after material pickup is complete.</p> |
| Section 7. Handling and Storage |
| <p>Handling - Refer to Section 8 Storage - Store below 30°C</p> |
| Section 8. Exposure Controls / Personal Protection |
| <p>Wear appropriate NIOSH/MSHA-approved respirator, chemical-resistant gloves, safety goggles, other Protective clothing. Mechanical exhaust required.</p> |
| Section 9. Physical and Chemical Properties |
| <p>Appearance : Solution Color : Dark red</p> |
| Section 10. Stability and Reactivity |
| <p>Stability: Product is stable if stored as per the conditions specified under storage of Section No. 7. Product loses its potency/performance above 45°C. Conditions to avoid: Heat and light. Decomposition products: if product is decomposed toxic fumes of carbon monoxide and carbon dioxide may evolve. Hazardous polymerization will not occur.</p> |
| Section 11. Toxicological Information |
| <p>Acute Effects: May be harmful if swallowed. Exposure can cause: Stomach pains, vomiting, and diarrhea. Prolonged or repeated exposure may cause Allergic reactions in certain sensitive individuals. RTECS No. : NO 85 10000 BP 68250 00 For complete information RTECS may be referred.</p> |
| Section 12. Ecological Information |
| <p>Data not available</p> |
| Section 13. Disposal Considerations |
| <p>On completion of work all used or unusable preparations of this product and derivatives thereof are to be Disposed of by autoclaving and/or by incineration. Dispose of waste in accordance with all applicable Federal, State and local laws.</p> |
| Section 14. Transport Information |
| <p>UN No. : Not applicable.</p> |

Section 15. Regulatory Information

Risk Phrases : Harmful if swallowed
 Risk Phrases : Highly flammable
 Risk Phrases : Toxic by inhalation, in contact with skin and if swallowed
 Risk Phrases : Toxic - danger of very serious irreversible effects through inhalation, in contact with skin and if swallowed
 Safety Phrases : Do not breathe dust
 Safety Phrases : Avoid contact with skin and eyes
 Safety Phrases : Keep container tightly closed
 Safety Phrases: Keep away from sources of ignition. No smoking
 Safety Phrases : Wear suitable protective clothing and gloves
 Safety Phrases : In case of accident or if you feel unwell, seek medical advice immediately (show the label where possible)



Significance of signs: Inhalation and ingestion of, or skin penetration by these substances is harmful to one's health. Non-recurring, recurring or lengthy exposure to these substances may Result in irreversible damage.



Significance of signs: 1. Liquids with flash points below 0°C and a boiling point/initial boiling point of max. 35°C
 2. Gaseous substances which are flammable in contact with air at ambient temperature and Pressure.



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Section 16. Other Information

WARRANTY :

This document 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. Micromaster Laboratories shall not be held liable for any damage resulting from handling or from contact with the above Product. These suggestions should not be confused with state, municipal or insurance requirements, and constitute no warranty.

DISCLAIMER:

For Laboratory use only. Not for drug, household or other uses.