



## CYNOR LABORATORY

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### MATERIAL SAFETY DATA SHEET

Product Name	METHYL RED INDICATOR SOLUTION
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#### **1. Identification of the substance/mixture and of the company/undertaking**

##### **1.1. Product identifier**

**Trade name :** METHYL RED (PH INDICATOR SOLUTION)

**Product code :** M0164,M0163

**1.2. Relevant identified uses of the substance or mixture and uses advised against**  
**Use :** Industrial. For professional use only.

##### **1.3. Details of the supplier of the safety data sheet**

**Company identification:** CYNOR

National industry, Pipodra GIDC, Surat-394110, Gujarat, India.

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#### **2. Hazards identification -DSD**

##### **2.1. Classification of the substance or mixture**

**Classification EC 67/548 or EC 1999/45**

**Classification :** T; R23/24/25-R39/23/24/25

**Hazard Class and Category Code(s), Regulation (EC) No 1272/2008 (CLP) Health**

**hazards :** Specific Target Organ Toxicity - Single exposure - Category 1 -Danger (CLP : STOT SE 1) H370

Acute toxicity, dermal - Category 3 - Danger (CLP : Acute Tox. 3) H311 Acute toxicity, Inhalation - Category 3 - Danger (CLP : Acute Tox. 3) H331

##### **2.2. Label elements**

**Labelling EC 67/548 or EC 1999/45**

**Symbol(s) :** T : Toxic



**R Phrase(s) :** R10 : Flammable.

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.

**S Phrase(s) :** S4 : Keep away from living quarters.

S7 : Keep container tightly closed.

S16 : Keep away from source of ignition-No smoking.

S24 : Avoid contact with skin.

S28 : After contact with skin, wash immediately with

S35 : This material and its container must be disposed of in a safe way.

S36/37 : Wear suitable protective clothing and gloves.

S38 : In case of insufficient ventilation, wear suitable respiratory equipment.

S45 : In case of accident or if you feel unwell, seek medical advice immediately (show the label when possible).

S59 : Refer to manufacturer/supplier for information on recovery/recycling.

**Labelling Regulation EC 1272/2008 (CLP)**

**Hazard pictograms**



**Signal words :** Danger

**Hazard statements :** H311 : Toxic in contact with skin.

H331 : Toxic if inhaled.

H370 : Causes damage to organ.

**Precautionary statements**

• **Prevention** : P280: Wear protective gloves, protective clothing, eye protection, face protection.

P271: Use only outdoors or in a well-ventilated area.

P260: Do not breathe dust, fume, gas, mist, vapours, spray.

P264: Wash thoroughly after handling.

P270: Do not eat, drink or smoke when using this product.

• **Response** : P307+P311: IF EXPOSED : Call a POISON CENTER or doctor.

P302+P352: IF ON SKIN : Wash with plenty of soap and water.

P304+P340: IF INHALED : Remove to fresh air and keep at rest in a position comfortable for breathing.

P363: Wash contaminated clothing before reuse.

P361: Remove immediately all contaminated clothing.

• **Storage** : P403+P233: Store in well-ventilated place. Keep container tightly closed.

P405: Store locked up.

• **Disposal considerations** : P501: Dispose of this material and its container to hazardous or special waste collection point, in accordance with local, regional, national and/or international regulation.

P501: Dispose of this material and its container to hazardous or special waste collection point, in accordance with local, regional, national and/or international regulation.

**2.3. Other hazards**

**Other hazards :** The substance does not fulfil the criteria to be identified as PBT substance or vPvB substance according to Annex XIII of Regulation REACH.

### **3. Composition/information on ingredients**

**Substance / Preparation :** Preparation.

**Hazardous component(s) :** This product is hazardous.

<b>Substance name</b>	<b>Contents</b>	<b>CAS No</b>
<b>METHYL RED INDICATOR :</b>	> 0.1 < 1 %	493-52-7
<b>Methanol :</b>	> 99 %	67-56-1

### **4. First aid measures**

#### **4.1. Description of first aid measures**

**Inhalation :** Remove to fresh air and keep at rest in a position comfortable for breathing. Specific treatment (see on this label). Immediately call a POISON CENTER or doctor.

**Skin contact :** Remove affected clothing and wash all exposed skin area with mild soap and water, followed by warm water rinse. Immediately call a POISON CENTER or doctor. Specific treatment (see on this label). Wash with plenty of soap and water.

Remove/Take off immediately all contaminated clothing. Wash contaminated clothing before reuse.

**Eye contact :** Obtain medical attention if pain, blinking or redness persist. Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.

**Ingestion :** Obtain emergency medical attention. Do NOT induce vomiting. Rinse mouth.

#### **4.2. Most important symptoms and effects, both acute and delayed**

**Symptoms relating to use :** Repeated exposure to this material can result in absorption through skin causing significant health hazard. Causes damage to organ. Danger of serious damage to health by prolonged exposure through inhalation.

**4.3. Indication of any immediate medical attention and special treatment needed General information :** Never give anything by mouth to an unconscious person. If you feel unwell, seek medical advice (show the label where possible). Specific treatment (see on this label). Call a POISON CENTER or doctor.

### **5. Fire-fighting measures**

#### **5.1. Extinguishing media**

**Suitable extinguishing media :** Foam. Dry powder. Carbon dioxide. Water spray. Sand.

**Unsuitable extinguishing media :** Do not use a heavy water stream.

**Surrounding fires :** Use water spray or fog for cooling exposed containers.

#### **5.2. Special hazards arising from the substance or mixture**

**Hazardous combustion products :** Under fire conditions, hazardous fumes will be present.

### **5.3. Advice for fire-fighters**

**Protection against fire :** Do not enter fire area without proper protective equipment, including respiratory protection.

**Special procedures :** Exercise caution when fighting any chemical fire. Avoid (reject) fire-fighting water to enter environment.

## **6. Accidental release measures**

### **6.1. Personal precautions, protective equipment and emergency procedures**

**For emergency responders :** Equip cleanup crew with proper protection. Ventilate area. Avoid breathing dust, fume, gas, mist, vapours, spray.

**For non-emergency personnel :** Evacuate unnecessary personnel.

### **6.2. Environmental precautions**

**Environmental precautions :** Prevent entry to sewers and public waters. Notify authorities if product enters sewers or public waters.

### **6.3. Methods and material for containment and cleaning up**

**Clean up methods :** Soak up spills with inert solids, such as clay or diatomaceous earth as soon as possible. Store away from other materials. Collect spillage.

### **6.4. Reference to other sections**

See section 8. Exposure controls/personal protection

## **7. Handling and storage**

### **7.1. Precautions for safe handling**

**Handling :** Wash thoroughly after handling. Do not breathe dust, fume, gas, mist, vapours, spray. Use only outdoors or in a well-ventilated area.

**Technical protective measures :** Provide good ventilation in process area to prevent formation of vapour.

### **7.2. Conditions for safe storage, including any incompatibilities**

**Storage :** Keep only in the original container in a cool, well ventilated place. Keep container tightly closed.

**Storage - away from :** Strong bases. Strong acids. Sources of ignition. Direct sunlight.

### **7.3. Specific end use(s)**

**Specific end use(s) :** None.

## **8. Exposure controls/personal protection**

### **8.1. Exposure controls**

**Personal protection :** Avoid all unnecessary exposure.

• **Respiratory protection** : In case of insufficient ventilation, wear suitable respiratory equipment. Where exposure through inhalation may occur from use, respiratory protection equipment is recommended.

• **Hand protection** : Wear protective gloves.

• **Eye protection** : Chemical goggles or safety glasses.

• **Others** : When using, do not eat, drink or smoke.

## **8.2. Control parameters**

**Occupational Exposure Limits** : No data available.

**Occupational Exposure Limits** : Methanol : OEL (UK)-LTEL [ppm] : 200

Methanol : OEL (UK)-STEL [ppm] : 250

Methanol : ILV (EU) - 8 H - [mg/m<sup>3</sup>] : ( 260 Skin. )

Methanol : ILV (EU) - 8 H - [ppm] : ( 200 Skin. )

Methanol : HTP-värden - 8 H - [ppm] : 200

Methanol : HTP-värden - 15min - [ppm] : 250

Methanol : HTP-värden - 8 H - [mg/m<sup>3</sup>] : 270

Methanol : HTP-värden - 15min - [mg/m<sup>3</sup>] : 330

Methanol : NGV - [ppm] : 200

Methanol : NGV - [mg/m<sup>3</sup>] : 250

Methanol : KTV - [ppm] : 250

Methanol : KTV - [mg/m<sup>3</sup>] : 350

Methanol : VLA-ED [ppm] : 200

Methanol : VLA-ED [mg/m<sup>3</sup>] : 266

Methanol : VLA-EC [ppm] : 250

Methanol : VLA-EC [mg/m<sup>3</sup>] : 333

## **9. Physical and chemical properties**

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

**Physical state at 20 °C** : Liquid.

**Odour threshold** : No data available.

**pH value** : No data available.

**Melting point [°C]** : No data available.

**Decomposition point [°C]** : No data available.

**Critical temperature [°C]** : No data available.

**Auto-ignition temperature [°C]** : No data available.

**Flammability (solid, gas)** : No data available.

**Flash point [°C]** : No data available.

**Initial boiling point [°C]** : No data available.

**Final boiling point [°C]** : No data available.

**Evaporation rate** : No data available.

**Vapour pressure [20°C]** : No data available.

**Vapour density** : No data available.

**Density [g/cm3]** : No data available.

**Relative density, liquid (water=1)** : No data available.

**Solubility in water** : No data available.

**Log Pow octanol / water at 20°C** : No data available.

**Viscosity at 40°C [mm2/s]** : No data available.

## **9.2. Other information**

**Explosive properties** : No data available.

**Explosion limits - upper [%]** : No data available.

**Explosion limits - lower [%]** : No data available.

**Oxidising properties** : No data available.

## **10. Stability and reactivity**

### **10.1. Reactivity**

**Reactivity** : Not established.

### **10.2. Chemical stability**

**Chemical stability** : Stable under recommended storage conditions.

### **10.3. Possibility of hazardous reactions**

**Hazardous reactions** : Not established.

### **10.4. Conditions to avoid**

**Conditions to avoid** : Direct sunlight. Extremely high or low temperatures.

### **10.5. Incompatible materials**

**Materials to avoid** : Strong acids. Strong bases.

### **10.6. Hazardous decomposition products**

**Hazardous decomposition products** : Fumes. Carbon monoxide. Carbon dioxide.

## **11. Toxicological information**

### **11.1. Information on toxicological effects**

**Toxicity information** : The product has been not fully tested. The calculated risk has been done under the requirements of the EU regulations.

#### **Acute toxicity**

• **Inhalation** : Toxic if inhaled.

• **Dermal** : Toxic in contact with skin.

• **Ingestion** : Based on available data, the classification criteria are not met.

**Corrosion** : Based on available data, the classification criteria are not met.

**Irritation** : Based on available data, the classification criteria are not met.

**Sensitization** : Based on available data, the classification criteria are not met.

**Mutagenicity** : Based on available data, the classification criteria are not met.

**Carcinogenicity** : Based on available data, the classification criteria are not met.

**Toxic for reproduction** : Based on available data, the classification criteria are not met.

**STOT-single exposure** : Causes damage to organ.

**STOT-repeated exposure** : Based on available data, the classification criteria are not met.

**Aspiration hazard** : Based on available data, the classification criteria are not met.

## **12. Ecological information**

### **12.1. Toxicity**

**Toxicity information** : The product has been not fully tested. The calculated risk has been done under the requirements of the EU regulations.

### **12.2. Persistence - degradability Persistence -**

**degradability** : Biodegradable.

### **12.3. Bioaccumulative potential**

**Bioaccumulative potential** : Not established.

### **12.4. Mobility in soil**

**Mobility in soil** : Not established.

### **12.5. Results of PBT and vPvB assessment**

**Results of PBT and vPvB assessment** : The substance does not fulfil the criteria to be identified as PBT substance or vPvB substance according to Annex XIII of Regulation REACH.

### **12.6. Other adverse effects**

**Environmental precautions** : Avoid release to the environment.

## **13. Disposal considerations**

### **13.1. Waste treatment methods**

**General** : Avoid release to the environment. Dispose in a safe manner in accordance with local/national regulations. Dispose of this material and its container to hazardous or special waste collection point, in accordance with local, regional, national and/or international regulation.

**Special precautions** : Hazardous waste due to toxicity.

## **14. Transport information**

### **14.1. Land transport (ADR-RID)**

**Proper shipping name** : FLAMMABLE LIQUID, N.O.S.

**UN N°** : 1993

**H.I. nr** : 30

**ADR - Class** : 3

**Labelling - Transport** : 3 : Flammable liquid.



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**ADR - Classification code :** F1

**ADR - Group :** III

**ADR - Packing instructions :** P001 R001 LP001

**ADR - Limited Quantity :** 5 L

**ADR - Tunnel code :** D/E : Bulk or tank carriage: Passage forbidden through tunnels of category D and E. Other carriage: Passage forbidden through tunnels of category E.

### **14.2. Sea transport (IMDG) [English only]**

**Proper shipping name :** FLAMMABLE LIQUID, N.O.S.

**UN N° :** 1993

**IMO-IMDG - Class or division :** 3 : Flammable liquid.

**IMO-IMDG - Packing group :** III

**IMO- IMDG - Packing instructions :** P001 LP01

**IMO-IMDG - Limited quantities :** 5 L

**IMO-IMDG - Marine pollution :** Yes

**EMS-Nr :** F-E S-E

### **14.3. Air transport (ICAO-IATA) [English only] Proper**

**shipping name :** FLAMMABLE LIQUID, N.O.S.

**UN N° :** 1993

**IATA - Class or division :** 3 : Flammable liquid.

**IATA - Packing group :** III

**IATA - Passenger and Cargo Aircraft :** ALLOWED

**- Passenger and Cargo - Packing :** 355

**instruction**

**- Passenger and Cargo - Maximum :** 60 L

**Quantity/Packing**

**IATA - Cargo only :** ALLOWED

**- Cargo only - Packing instruction :** 366

**- Cargo only - Maximum Quantity/ :** 220 L

**Packing**

**IATA - Limited Quantites :** 10 L

**ERG-Nr :** 3L

## **15. Regulatory information**

### **15.1. Safety, health and environmental regulations/legislation specific for the substance or mixture**

**Safety, health and environmental :** Ensure all national/local regulations are observed.  
**regulations/legislation specific for the substance or mixture**

**REACH Restrictions - Annex XVII :** The components of this product are not subject to restrictions.



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**REACH Authorisation - Annex XIV :** The components of this product are not subject to authorization.

### 15.2. Chemical Safety Assessment

**Chemical Safety Assessment :** It has not been carried out.

### 16. Other information

**Abbreviations and acronyms :** PBT: persistent, bioaccumulative and toxic.vPvB: very persistent and very bioaccumulative

**Sources of key data used :** REGULATION (EC) No 1272/2008 OF THE EUROPEAN PARLIAMENT AND OF THE COUNCIL of 16 December 2008 on classification, labelling and packaging of substances and mixtures, amending and repealing Directives 67/548/EEC and 1999/45/EC, and amending Regulation (EC) No 1907/2006

**Further information :** None.

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### End of document

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