

Safety Data Sheet

Methyl Red, Indicator Solution

GENERAL STORAGE CODE: GREEN

SDS No.: M103

GoScientist

2 Second cross street,
Sixth main road, Dhandeeswaram,
Velachery, Chennai-600042
Ph. No.: +91-900-3086297

Section 1 PRODUCT DESCRIPTION

Product Name:	Methyl Red, Indicator Solution
Product Form:	Mixture
Formula	Mixture
Synonyms:	Methyl Red, 0.02% Aqueous pH Indicator Solution
Recommended Use:	Laboratory use
Distributor:	GoScientist (Science Storehouse Internet Retail LLP) 2, Second cross street, Sixth main road, Dhandeeswaram, Velachery, Chennai-600042 Email: contact@goscientist.com TEL: +91-9003086297
Chemtrec India:	000-800-100-7141 (Transportation Spill Response 24 hours)

Section 2 HAZARD IDENTIFICATION

This substance or mixture has not been classified as hazardous according to the Globally Harmonized System (GHS) of Classification and Labeling of Chemicals.

Signal word: Not classified
Pictograms: Not classified
Target organs: None known

GHS Classification: Not classified

GHS Label information:
Hazard statement: Not classified

Precautionary statement: Not classified

Supplemental information:

Do not breathe dust. Do not get in eyes, on skin, or on clothing. Wear protective gloves/protective clothing/eye protection/face protection. Wash hands thoroughly after handling. Get medical attention if you feel unwell.

Section 3 COMPOSITION / INFORMATION ON INGREDIENTS

Chemical Name	CAS #	%	EINECS
Water	7732-18-5	99.98%	231-791-2
Methyl red, sodium salt	845-10-3	0.02%	212-682-9

Section 4 FIRST AID MEASURES

Description of First Aid measures:

First-aid measures general:	Never give anything by mouth to an unconscious person. If you feel unwell, seek medical advice (show the label where possible).
Inhalation:	Assure fresh air breathing. Allow the victim to rest.
Skin contact:	Remove affected clothing and wash all exposed skin area with mild soap and water, followed by warm water rinse.
Eye contact:	Rinse immediately with plenty of water. Obtain medical attention if pain, blinking or redness persist.
Ingestion:	Rinse mouth. Do NOT induce vomiting. Obtain emergency medical attention.

Most important symptoms and effects, both acute and delayed:

Symptoms/injuries:	Not expected to present a significant hazard under anticipated conditions of normal use.
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Section 5 FIRE FIGHTING MEASURES

Suitable Extinguishing Media:	Carbon dioxide, dry chemical, dry sand, alcohol foam.
Specific Hazards:	In fire conditions, water may evaporate from this solution, which may cause hazardous decomposition products to be form, as dust or fume.
Protective Actions for Fire-fighters:	In fire conditions, wear a NIOSH/MSHA-approved self-contained breathing apparatus and full protective gear. Use water spray to keep fire-exposed containers cool.

Section 6 ACCIDENTAL RELEASE MEASURES

Personal Precautions:	Evacuate personnel to safe area. Use proper personal protective equipment as indicated in Section 8. Provide adequate ventilation.
Environmental Precautions:	Avoid runoff into storm sewers and ditches, which lead to waterways.
Containment and Cleanup:	Absorb with inert dry material, sweep or vacuum up and place in a suitable container for proper disposal. Wash spill area with soap and water.

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Section 7 HANDLING AND STORAGE

Handling:	Read label on container before using. Do not wear contact lenses when working with chemicals. Keep out of reach of children. Avoid contact with eyes, skin and clothing. Do not inhale vapors, spray or mist. Use with adequate ventilation. Avoid ingestion. Wash thoroughly after handling. Remove and wash clothing before reuse.
Storage:	Store in a cool, dry, well-ventilated area away from incompatible substances. Protect from light.
Storage Code:	General Storage Code Green

Section 8 EXPOSURE CONTROLS / PERSONAL PROTECTION

Exposure Limits:			
Chemical Name:	ACGIH (TLV)	OSHA (PEL)	NIOSH (REL)
Methyl red	None established	None established	None established
Engineering controls:	Facilities storing or utilizing this material should be equipped with an eyewash facility and a safety shower and fire extinguishing material. Personnel should wear safety glasses, goggles, or face shield, lab coat or apron, appropriate protective gloves. Use adequate ventilation to keep airborne concentrations low.		
Personal Protective Equipment:	Lab coat, apron, eye wash, safety shower, fire extinguishing material.		
Respiratory Protection:	None should be needed in normal laboratory handling at room temperatures. If dusty conditions prevail, work in fume hood or wear a NIOSH/MSHA-approved respirator.		
Eye Protection:	Face shield. In case of dust production: protective goggles.		
Skin Protection:	Avoid skin contact by wearing chemically resistant gloves, an apron and other protective equipment depending upon conditions of use.		

Section 9 PHYSICAL AND CHEMICAL PROPERTIES

Formula: Mixture	Flammability (solid/gas): Data not available.
Molecular Weight: Mixture	Explosion limits: Lower / Upper: Data not available.
Appearance: Clear, red liquid.	Vapor pressure (mm Hg): 14 (water)
Odor: No odor.	Vapor density (Air = 1): 0.7 (water)
Odor Threshold: Data not available.	Relative density (Specific gravity): Approximately 1.0 (water)
pH: Data not available.	Solubility (ies): Complete in water.
Melting / Freezing point: Approximately 0°C (32°F) (water)	Partition coefficient: Data not available
Boiling point: Approximately 100°C (212°F) (water)	Auto-ignition temperature: Data not available.
Flash point: Data not available.	Decomposition temperature: Data not available.
Relative evaporation rate (Water =1): <1	Viscosity: Data not available

Section 10 STABILITY AND REACTIVITY

Reactivity:	No additional information available
Chemical Stability:	Stable under normal conditions.
Conditions to avoid:	Excessive temperatures, which cause evaporation. Protect from light.
Incompatible materials:	Strong oxidizers, reducing agents.
Hazardous decomposition products:	Carbon oxides, nitrogen oxides and sodium oxides.
Hazardous polymerization:	Will not occur.

Section 11 TOXICOLOGICAL INFORMATION

RTECS #:	DG8960000 [Methyl red]
Acute toxicity:	Oral-rat TDLo: 12000 mg/kg [Methyl red]
Skin corrosion/irritation:	Data not available
Serious eye damage/irritation:	Data not available
Respiratory or skin sensitization:	Data not available
Germ cell mutagenicity:	Data not available
Carcinogenity:	Data not available
Reproductive toxicity:	Data not available
STOT-single exposure:	Data not available
STOT-repeated exposure:	Data not available
Aspiration hazard:	Data not available
NTP :	No component of this product present at levels greater than or equal to 0.1% is identified as a known or anticipated carcinogen by NTP
IARC:	No component of this product present at levels greater than or equal to 0.1% is identified as probable, possible, or confirmed human carcinogen by IARC
OSHA:	No component of this product present at levels greater than or equal to 0.1 is identified as a carcinogen or potential carcinogen by OSHA
Potential Adverse human health effects and symptoms:	Inhalation: May be harmful if inhaled. Ingestion: May be harmful if swallowed. Skin: May cause irritation. Eyes: May cause irritation.
Signs and symptoms of exposure:	To the best of our knowledge, the chemical, physical and toxicological properties have not been thoroughly investigate Specific data is not available. Exercise appropriate procedures to minimize potential hazards.
Additional information:	RTECS #: DG8960000 [Methyl red]

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ECOLOGICAL INFORMATION

Toxicity to fish:	No data available
Toxicity to daphnia and other aquatic invertebrates:	No data available
Toxicity to algae:	No data available.
Persistence and degradability:	No data available
Bio accumulative potential:	No data available
Mobility in soil:	No data available
PBT and vPvB assessment:	No data available
Other adverse effects:	An environmental hazard cannot be exclude in the event of unprofessional handling or disposal.

Section 13

DISPOSAL CONSIDERATIONS

These disposal guidelines are intended for the disposal of catalog-size quantities only. Federal regulations may apply to empty container. State and/or local regulations may be different. Dispose of in accordance with all local, state and federal regulations or contract with a licensed chemical disposal agency.

Section 14

TRANSPORT INFORMATION

UN/NA number: Not applicable	Shipping name: Not regulated
Transport hazard class: Not applicable	Packing group: Not applicable
Marine pollutant: No	Reportable Quantity: No
Exceptions: Not applicable	2016 ERG Guide # Not applicable

Section 15

REGULATORY INFORMATION

TSCA Status: Listed

Component	CAS #	CERLCA (RQ)	RCRA code	WHMIS Classification	DSL	NDSL
Methyl red, sodium salt	845-10-3	Not listed	Not listed	Uncontrolled product according to WHMIS classification criteria	Listed	Not listed

Section 16

OTHER INFORMATION

The information above is believed to be accurate and represents the best information currently available to us. No warranty, express or implied, is made and GoScientist assumes no liability resulting from the use of this SDS. The user must determine suitability of this information for his application. In no event shall GoScientist be liable for any claims, losses, or damages of any third party or for lost profits or any special, indirect, incidental, consequential or exemplary damages, howsoever arising, even if GoScientist has been advised of the possibility of such damages.

Glossary

ACGIH:	American Conference of Governmental Industrial Hygienists	ppm:	Parts per million
CAS:	Chemical Abstract Service	RCRA:	Resource Conservation and Recovery Act
CERLCA:	Comprehensive Environmental Response, Compensation, and Liability Act	RE:	Repeated Exposure
DSL:	Domestic Substances List	REL:	Recommended exposure limit
EINECS:	European Inventory of Existing Commercial chemical Substances	RTECS:	Registry of Toxic Effects of Chemical Substances
ERG:	Emergency Response Guidebook	SE:	Single Exposure
GHS:	Globally Harmonized System	STEL:	Short-term exposure limit
IARC:	International Agency for Research on Cancer	STOT:	Specific Target Organ Toxicity
NDSL:	Non-Domestic Substances List	TLV:	Threshold Limit Value
NIOSH:	National Institute for Occupational Safety and Health	TSCA:	Toxic Substances Control Act
NTP:	National Toxicology Program	TWA:	Time-weighted average
OSHA:	Occupational Safety and Health Administration	WHMIS:	Workplace Hazardous Materials Information System
PEL:	Permissible exposure limit		

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Replaces: 08/30/2016