



Science Company

**MSDS**

## Material Safety Data Sheet

### 1. PRODUCT and COMPANY IDENTIFICATION

**Product: Methyl Red Indicator**

**Product Code(s):** NC-13320, NC-8802,  
NC-4446, M1015

**Synonyms:** Mixture

**Manufacturer:** Science Company 95 Lincoln  
St, Denver, CO 80203  
Ph: (303) 777-3777 Fax: (303) 777-3331

**IN CASE OF EMERGENCY  
24 HOUR CONTACT TELEPHONE  
CHEM-TEL: (800)255-3924**

All non-emergency questions may be directed to customer  
service (303) 777-3777

### 2. COMPOSITION and INFORMATION on INGREDIENTS

<u>Ingredients</u>	<u>CAS#</u>	<u>Chemical Formula</u>	<u>Formula Weight</u>	<u>Hazardous</u>	<u>% by Weight</u>
Methyl Red	845-10-3	C <sub>15</sub> H <sub>14</sub> N <sub>3</sub> O <sub>2</sub> Na	291.30	No	0.02-1.0
Water	7732-18-5	H <sub>2</sub> O	18.015	No	99.0-99.98

### 3. HAZARDS IDENTIFICATION

**Emergency Overview:**

**CAUTION! MAY CAUSE IRRITATION TO SKIN, EYES, RESPIRATORY TRACT, AND/OR GASTROINTESTINAL TRACT.  
MAY BE HARMFUL IF SWALLOWED, INHALED, OR ABSORBED THROUGH SKIN.**

**SAFETY RATINGS:** Health: 1, Slight Reactivity: 0, None  
Flammability: 0, None Contact: 1, Slight

**Protective Equipment:** Safety Glasses, Lab Coat or Apron, Gloves

**Storage Code:** Green: General

**Potential Health Effects:**

**INHALATION:**

No known effects.

**INGESTION:**

May be harmful. May cause nausea, vomiting, headache and diarrhea.

**SKIN CONTACT:**

May cause irritation.

**EYE CONTACT:**

May cause irritation.

**POTENTIAL ACUTE HEALTH EFFECTS:**

No information is available in our database regarding the acute toxic effects of this material in humans.

**POTENTIAL CHRONIC HEALTH EFFECTS:**

No information is available in our database regarding the effects of repeated or chronic exposure of this material in humans.

**MEDICAL CONDITIONS GENERALLY AGGRAVATED by EXPOSURE:**

Repeated or prolonged exposure is not known to aggravate medical condition.

### 4. FIRST AID MEASURES

**INHALATION:**

Remove to fresh air. If breathing is difficult, administer oxygen. If the victim is not breathing, perform mouth-to-mouth resuscitation. Get medical attention.

**INGESTION:**

Give several glasses of water to drink. Never give anything by mouth to an unconscious person. Get medical attention.

**SKIN CONTACT:**

Wash with mild soap and water. If irritation develops, get medical attention.

**EYE CONTACT:**

Check for and remove contact lenses. Immediately flush eyes with gentle but large stream of water for at least 15 minutes, lifting lower and upper eyelids occasionally. If irritation develops, get medical attention.

## 5. FIRE FIGHTING MEASURES

**NFPA RATINGS:** Health: 1 Flammability: 0 Reactivity: 0

**FIRE:**

Not considered to be a fire hazard.

**EXPLOSION:**

Not considered to be an explosion hazard.

**FIRE EXTINGUISHING MEDIA:**

Use any means suitable for extinguishing surrounding fire.

**SPECIAL INFORMATION:**

In the event of a fire, wear full protective clothing and NIOSH-approved self-contained breathing apparatus with full face piece operated in the pressure demand or other positive pressure mode.

## 6. ACCIDENTAL RELEASE MEASURES

Remove all sources of ignition. Ventilate area of leak or spill. Isolate hazard area and keep unnecessary and unprotected personnel away from the area of the leak or spill. Wear appropriate personal protective equipment as specified in the Exposure Control and Personal Protection Section 8. Use non sparking tools and equipment. Pick up and place in a suitable container for reclamation or disposal.

## 7. HANDLING and STORAGE

Store in a cool, dry, ventilated area, away from flame, sources of ignition and heat. Keep containers tightly closed and upright. Protect from physical damage. Keep out of direct sunlight and separate from incompatible materials. Containers of this material may be hazardous when empty since they retain product residues (vapor, liquids); observe all warnings and precautions listed for the product. Storage and use areas should be non-smoking. Wash thoroughly after handling.

## 8. EXPOSURE CONTROL and PERSONAL PROTECTION

**EXPOSURE LIMITS:**

No information found.

**VENTILATION SYSTEM:**

In general, dilution ventilation is a satisfactory health hazard control for this substance. However, if conditions of use create discomfort to the worker, a local exhaust system should be considered.

**PERSONAL RESPIRATORS (NIOSH) APPROVED:**

Not expected to require use of a personal respirator.

**SKIN PROTECTION:**

Wear protective clothing, gloves, lab coat or apron, as appropriate, to prevent skin contact.

**EYE PROTECTION:**

Use chemical safety glasses or goggles. Maintain approved eye wash station in work area.

## 9. PHYSICAL and CHEMICAL PROPERTIES

<b>APPEARANCE:</b>	Reddish liquid.
<b>ODOR:</b>	No odor.
<b>SOLUBILITY:</b>	Miscible with water.
<b>SPECIFIC GRAVITY:</b>	No information found.
<b>pH:</b>	No information found.
<b>% VOLATILES by VOLUME:</b>	No information found.
<b>BOILING POINT:</b>	No information found.
<b>MELTING POINT:</b>	No information found.
<b>VAPOR DENSITY (Air =1):</b>	No information found.
<b>VAPOR PRESSURE (mm Hg):</b>	No information found.
<b>EVAPORATION RATE (BuAc=1):</b>	No information found.

## 10. STABILITY and REACTIVITY

**STABILITY:**

Stable under ordinary conditions of use and storage.

**HAZARDOUS DECOMPOSITION PRODUCTS:**

No information found.

**HAZARDOUS POLYMERIZATION:**

Will not occur.

**INCOMPATIBILITIES:**

No information found.

**CONDITIONS to AVOID:**

Heat, flames, ignition sources and incompatibles.

**11. TOXICOLOGICAL INFORMATION****TOXICOLOGICAL DATA:**

No information available.

**12. ECOLOGICAL INFORMATION****ENVIRONMENTAL FATE:**

No information found.

**ENVIRONMENTAL TOXICITY:**

No information found.

**13. DISPOSAL INFORMATION**

Whatever cannot be saved for recovery or recycling should be handled as potentially hazardous waste and disposed of or incinerated at an approved waste disposal facility. Processing, use or contamination of this product may change the waste management options. State and local disposal regulations may differ from federal disposal regulations. Dispose of container and unused contents in accordance with federal, state and local requirements.

**14. TRANSPORT INFORMATION****TRANSPORT (Land, DOT):**

Not regulated.

**15. REGULATORY INFORMATION**

## Chemical Inventory Status – Part 1

Ingredient	TSCA	EC	Japan	Australia
Methyl Red (845-10-3)	Yes	Yes	Yes	Yes

## Chemical Inventory Status – Part 2

Ingredient	-----Canada-----			
	Korea	DSL	NDSL	Phil
Methyl Red (845-10-3)	Yes	Yes	No	Yes

## Federal, State &amp; International Regulations – Part 1

Ingredient	--SARA 302--		-----SARA 313-----	
	RQ	TPQ	List	Chemical Catg
Methyl Red (845-10-3)	No	No	No	No

## Federal, State &amp; International Regulations – Part 2

Ingredient	CERCLA	RCRA	TSCA
		261.33	8 (d)
Methyl Red (845-10-3)	No	No	No

Chemical Weapons Convention: No      TSCA 12 (b): No      CDTA: No      SARA 311/312: Acute: No      Chronic: No  
 Fire: No      Pressure: No      Reactivity: No      Physical State: Mixture/Liquid

**Australian Hazchem Code:** Not allocated**Poison Schedule:** Not allocated**16. OTHER INFORMATION****PRODUCT USE:**

For manufacturing, industrial and laboratory use only, not for household use.

**DISCLAIMER:**

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