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# MATERIAL SAFETY DATA SHEET

MSDS No.: FF0440  
 Effective Date: January 10, 2007

## SECTION I NAME

24 HOUR EMERGENCY ASSISTANCE

Product: FD & C Red #40, (C.I. No. 16035)

Chemical Synonyms: Food Coloring - Red 0.5%

Formula: Mixture.

Unit Size: up to 1 Lt.

C.A.S. No.: Mixture.

HAZARD RATING MINIMAL 0 SLIGHT 1 MODERATE 2 SERIOUS 3 SEVERE 4	NTPA	CHEMTREC 800-424-9300 Day 585-226-6177	Health	0
			Fire	0
			Reactivity	0
			HMIS*	

## SECTION II INGREDIENTS OF MIXTURES

Principal Component(s)	%	TLV Units
FD & C red #40: (CAS No. 25956-17-6)	0.5%	None established.
Water: (CAS No. 7732-18-5)	99.5%	None established.

CAUTION! MAY BE HARMFUL IF SWALLOWED OR ABSORBED THROUGH SKIN.

## SECTION III PHYSICAL DATA

Melting Point (°F)	Freezes approx. 0°C (32°F)	Specific Gravity (H <sub>2</sub> O = 1)	Approx. 1.0
Boiling Point (°F)	Approx. 100°C (212°F)	Percent Volatile by Volume (%)	99.5%
Vapor Pressure (mm Hg)	14 (water)	Evaporation Rate (Water=1)	Slightly less than 1.
Vapor Density (Air=1)	0.7 (water)		
Solubility in Water	Complete.		
Appearance & Odor	Slightly red, water like liquid, no odor.		

## SECTION IV FIRE AND EXPLOSION HAZARD DATA

Flash Point (Method Used)	Non-flammable.	Flammable Limits in Air % by Volume	Lower	Upper
		N/A	-----	-----

Extinguisher Media: Use any media suitable for extinguishing supporting fire.

## SPECIAL FIREFIGHTING PROCEDURES

This solution due to its chemical composition and/or its concentration does not present any firefighting hazard.

## UNUSUAL FIRE AND EXPLOSION HAZARDS

There are no unusual fire and explosion hazard associated with this solution.

## D.O.T. NON-REGULATED.

Approved by U.S. Department of Labor "essentially similar" to form OSHA-20

## SECTION V HEALTH HAZARD DATA

Threshold Limited Value: None established.

### Effects of Overexposure

May be harmful ingestion or skin absorption. May cause irritation. To the best of our knowledge, the chemical, physical and toxicological properties have not been thoroughly investigated. Specific data is not available. Exercise appropriate procedures to minimize potential hazards. Target organs: None known.

### Emergency and First Aid Procedures

**INGESTION:** Call physician or Poison Control Center immediately. Induce vomiting only if advised by appropriate medical personnel. Never give anything by mouth to an unconscious person. **EYES:** Check for and remove contact lenses. Flush thoroughly with water for at least 15 minutes, lifting upper and lower eyelids occasionally. Get immediate medical attention. **SKIN:** Remove contaminated clothing. Flush thoroughly with mild soap and water. If irritation occurs, get medical attention. **INHALATION:** Remove to fresh air. If not breathing, give artificial respiration. If breathing is difficult, give oxygen. Get medical attention.

## SECTION VI REACTIVITY DATA

Stability	Unstable	Stable	Conditions to Avoid
		X	Excessive temperature to cause evaporation.
Incompatibility (Materials to Avoid)	Oxidizing and reducing agents.		

### Hazardous Decomposition Products

Carbon monoxide, carbon dioxide, oxides of nitrogen, sulfur and other potentially toxic fumes.

### Hazardous Polymerization

May Occur: Will Not Occur: X

## SECTION VII SPILL OR LEAK PROCEDURES

Steps to be taken in case material is released or spilled: In case of spill, absorb with inert material, then place into a suitable container for proper disposal. Wash spill area with soap and water.

### Waste Disposal Method

Discharge, treatment, or disposal may be subject to Federal, State or Local laws. These disposal guidelines are intended for the disposal of catalog-size quantities only. Dispose of in an approved chemical landfill or contract with a licensed waste disposal service.

## SECTION VIII SPECIAL PROTECTION INFORMATION

Respiration Protection (Specify Type)	None needed in normal laboratory handling. If misty conditions prevail, work in ventilation hood or wear a NIOSH-approved respirator.
Ventilation	Local Exhaust: Not required. Special: No. Mechanical (General): Not required. Other: No.
Protective Gloves	Rubber. Eye Protection: Chemical safety glasses.
Other Protective Equipment	Lab coat, apron, eye wash station, proper gloves.

## SECTION IX SPECIAL PRECAUTIONS

Precautions to be Taken in Handling & Storing: Store in a cool place. Wash thoroughly after handling.

### Other Precautions

Read label on container before using. Do not wear contact lenses when working with chemicals. For laboratory use only. Not for drug, food or household use. Keep out of reach of children. Remove and wash contaminated clothing.

## Revision No. 4

Date 01/10/07 Approved James A. Bertsch Chemical Safety Coordinator JAB

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