SECTION 1 — CHEMICAL PRODUCT AND COMPANY IDENTIFICATION

FD&C Red 3 Food Dye

Flinn Scientific, Inc. P.O. Box 219 Batavia, IL 60510 (800) 452-1261
CHEMTREC Emergency Phone Number: (800) 424-9300

SECTION 2 — COMPOSITION, INFORMATION ON INGREDIENTS

FD&C Red #3
Synonyms: Acid Red 51; C.I. Food Red 14; Erythrosin B
CAS#: 16423-68-0

SECTION 3 — HAZARDS IDENTIFICATION

Slightly toxic by ingestion. Irritating to skin and eyes.
The dye has been stored with other, non-food grade chemicals and is not for consumption.

SECTION 4 — FIRST AID MEASURES

Call a physician, seek medical attention for further treatment, observation and support after first aid.
Inhalation: Remove to fresh air at once. If breathing has stopped give artificial respiration immediately.
Eye: Immediately flush with fresh water for at least 15 minutes.
External: Wash with mild soap and water.
Internal: Rinse mouth with water and give large quantities of water.

SECTION 5 — FIRE FIGHTING MEASURES

Nonflammable solid.
When heated to decomposition emits carbon monoxide, carbon dioxide, and halogenated compounds.
Fire Fighting Instructions: Use triclass, dry chemical fire extinguisher. Firefighters should wear PPE and
SCBA with full facepiece operated in positive pressure mode.

SECTION 6 — ACCIDENTAL RELEASE MEASURES

Restrict unprotected personnel from area and ventilate area. Place spilled solid in sealed bag or appropriate waste disposal
container. See Sections 8 and 13 for further information.

SECTION 7 — HANDLING AND STORAGE

Flinn Suggested Chemical Storage Pattern: Organic Miscellaneous or Organic #9. Store with dyes, indicators, and stains.

SECTION 8 — EXPOSURE CONTROLS, PERSONAL PROTECTION

Avoid contact with eyes, skin, and clothing. Wear chemical splash goggles, chemical-resistant gloves, and chemical-resistant
apron.

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SECTION 9 — PHYSICAL AND CHEMICAL PROPERTIES

Dark red solid. Odorless.
Solubility: Cold water and methyl alcohol.
Formula: C_{20}H_{6}I_{4}Na_{2}O_{5}
Formula Weight: 879.92

SECTION 10 — STABILITY AND REACTIVITY

Shelf Life: Indefinite.

SECTION 11 — TOXICOLOGICAL INFORMATION

Acute effects: Irritant
Chronic effects: Hazardous in case of ingestion.
Target organs: Lungs, nervous system, mucous membranes

ORL-RAT LD_{50}: 1840 mg/kg
IHL-RAT LC_{50}: N.A.
SKN-RBT LD_{50}: N.A.

N.A. = Not available, not all health aspects of this substance have been fully investigated.

SECTION 12 — ECOLOGICAL INFORMATION

Data not yet available.

SECTION 13 — DISPOSAL CONSIDERATIONS

Please consult with state and local regulations.
Flinn Suggested Disposal Method #26a is one option.

SECTION 14 — TRANSPORT INFORMATION

Shipping Name: Not regulated
Hazard Class: N/A
UN Number: N/A
N/A = Not applicable

SECTION 15 — REGULATORY INFORMATION

TSCA-listed: FD&C Red 3

SECTION 16 — OTHER INFORMATION

This Material Safety Data Sheet (MSDS) is for guidance and is based upon information and tests believed to be reliable. Flinn Scientific, Inc. makes no guarantee of the accuracy or completeness of the data and shall not be liable for any damages relating thereto. The data is offered solely for your consideration, investigation, and verification. The data should not be confused with local, state, federal or insurance mandates, regulations, or requirements and CONSTITUTE NO WARRANTY. Any use of this data and information must be determined by the science instructor to be in accordance with applicable local, state or federal laws and regulations. The conditions or methods of handling, storage, use and disposal of the product(s) described are beyond the control of Flinn Scientific, Inc. and may be beyond our knowledge. FOR THIS AND OTHER REASONS, WE DO NOT ASSUME RESPONSIBILITY AND EXPRESSLY DISCLAIM LIABILITY FOR LOSS, DAMAGE OR EXPENSE ARISING OUT OF OR IN ANY WAY CONNECTED WITH THE HANDLING, STORAGE, USE OR DISPOSAL OF THIS PRODUCT(S).

Consult your copy of the Flinn Science Catalog/Reference Manual for additional information about laboratory chemicals.