

FD&C Yellow 5 Food Dye Safety Data Sheet (SDS)

SECTION 1 — CHEMICAL PRODUCT AND COMPANY IDENTIFICATION

FD&C Yellow 5 Food Dye

Flinn Scientific, Inc. P.O. Box 219, Batavia, IL 60510 (800) 452-1261
Chemtrec Emergency Phone Number: (800) 424-10481

Signal Word
DANGER

SECTION 2 — HAZARDS IDENTIFICATION

Hazard class: Sensitization, skin (Category 1). May cause an allergic skin reaction (H317). Avoid breathing dust or fumes (P261).

Hazard class: Sensitization, respiratory (Category 1). May cause allergy or asthma symptoms or breathing difficulties if inhaled (H334).

Product should be treated as a chemical and is not for consumption as it has been stored with other nonfood-grade chemicals.

Pictograms



SECTION 3 — COMPOSITION, INFORMATION ON INGREDIENTS

Component Name	CAS Number	Formula	Formula Weight	Concentration
FD&C yellow 5 food dye	1934-21-0	C ₁₆ H ₉ N ₄ Na ₃ O ₉ S ₂	534.37	
Synonyms: Acid yellow 23; Atul tartrazine; Tartran yellow; Tartrazine; C.I. 19140				

SECTION 4 — FIRST AID MEASURES

Call a POISON CENTER or physician (P311).

If inhaled: If breathing is difficult, remove victim to fresh air and keep at rest in a position comfortable for breathing (P304+P341).

If in eyes: Rinse cautiously with water for several minutes. Remove contact lenses if present and easy to do so. Continue rinsing.

If on skin: Rinse cautiously with water for several minutes (P302+P351). Wash contaminated clothing before reuse (P363).

If swallowed: Rinse mouth. Call a POISON CENTER or physician if you feel unwell. yellow

SECTION 5 — FIRE FIGHTING MEASURES

Nonflammable solid.

When heated to decomposition, may emit toxic fumes.

In case of fire: Use a tri-class dry chemical fire extinguisher.

NFPA Code
None established

SECTION 6 — ACCIDENTAL RELEASE MEASURES

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

Wear protective gloves, protective clothing, and eye protection (P280). Wash hands thoroughly after handling. Contaminated clothing should not be allowed out of the workplace (P272). In case of inadequate ventilation, wear respiratory protection (P285).

SECTION 9 — PHYSICAL AND CHEMICAL PROPERTIES

Yellow solid. Odorless.

Soluble: Water

Absorbance maximum: 427 nm

Not for human consumption.

SECTION 10 — STABILITY AND REACTIVITY

Shelf life: Indefinite, if stored properly.

SECTION 11 — TOXICOLOGICAL INFORMATION

Acute effects: Skin sensitizer, irritating to eyes and skin.

Chronic effects: N.A.

Target organs: May be reproductive hazard based on animal data.

ORL-RAT LD₅₀: 12,750 mg/kg

IHL-RAT LC₅₀: N.A.

SKN-RBT LD₅₀: N.A.

SECTION 12 — ECOLOGICAL INFORMATION

Data not yet available.

SECTION 13 — DISPOSAL CONSIDERATIONS

Please review all federal, state and local regulations that may apply before proceeding.

Flinn Suggested Disposal Method #26a is one option.

SECTION 14 — TRANSPORT INFORMATION

Shipping name: Not regulated. Hazard class: N/A. UN number: N/A.

SECTION 15 — REGULATORY INFORMATION

TSCA-listed: FD&C Yellow 5.

SECTION 16 — OTHER INFORMATION

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

N/A = Not applicable

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

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