

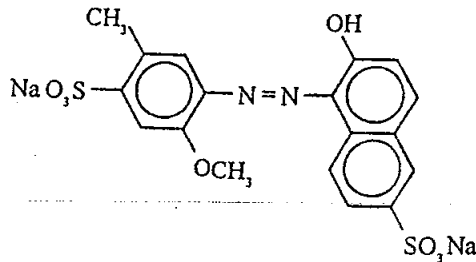
Food color



TECHNICAL DATA

PRODUCT NAME: FD&C RED NO. 40
PRODUCT CODE: 10-21-DA-6056

Color Index Name:	Food Red 17	Color Index No.:	16035
Common Name:	NT Red		
CAS No.:	25956-17-6	Molecular Weight:	496.4



Chemical Name: Disodium salt of 6-hydroxy-5-[(2-methoxy-5-methyl-4-sulfophenyl)azo]-2-naphthalenesulfonic acid.

Pure Color Assay: FDA Requirement 85% minimum
HD Specification 90% minimum

Volatile plus Chlorides and Sulfates as Sodium Salts: 13% maximum

Water Insolubles: 0.2% maximum

Uncombined Intermediates: Meets FDA requirements

Subsidiary Colors: Meets FDA requirements

Heavy Metals: Lead 10 ppm maximum
Arsenic 3 ppm maximum
Mercury 1 ppm maximum

(CONTINUED ON OTHER SIDE)

The information provided on this and any following pages regarding our product(s) has been developed as a guide for your consideration and verification and does not constitute a legal representation or warranty. Due to differences in product formulation and operational conditions, we cannot be responsible for results in the user's plant or product.

PRODUCT NAME: FD&C RED NO. 40
PRODUCT CODE: 10-21-DA-6056

Stability to:

Light	Moderate
Oxidation	Fair to poor
Heat	Good

Variations in pH:

pH 3	Stable
pH 8	Stable

Solubility at 25° C:

Distilled Water	>26 oz. per gallon
Glycerine	4 oz. per gallon
Propylene Glycol	2 oz. per gallon
Ethanol (95%)	Tint

Particle Size:

On 100 Mesh Screen	≤ 5% typical
On 200 Mesh Screen	≤ 40% typical
Thru 200 Mesh Screen	≥ 55% typical

Remarks

FD&C Red No. 40 gives a yellowish red color in solution. It has good resistance to acids, alkalies, heat and light. Resistance to oxidizing and reducing agents is fair to poor.

The major uses of FD&C Red No. 40 are in beverages, bakery goods, pet foods, dessert powders, confections and cereals.

HMIS H: 0
F: 0
R: 0
O: None

HILTON DAVIS MATERIAL SAFETY DATA SHEET

Hilton Davis Company
2235 Langdon Farm Rd.
Cincinnati, Ohio 45237

Hilton Davis Code No.: 10-21-DA-6056
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Emergency Phone Number:
(513)841-4889 [(513)841-4000 24 Hour Number]

Date Prepared: 11/13/95

IDENTIFICATION

COMMON NAME: (used on Label)	FD&C Red No. 40
CAS NO.:	25956-17-6
CHEMICAL NAME/TRADE NAME:	CI 16035, NT Red
PRODUCT CLASS:	FD&C Color
MOLECULAR FORMULA:	$C_{18}H_{14}N_2Na_2O_8S_2$

HAZARDOUS INGREDIENTS

(CAS REG. NO.) None

PHYSICAL & CHEMICAL CHARACTERISTICS (Fire & Explosion Data)

SPECIFIC GRAVITY (H ₂ O=1):	UI
VAPOR DENSITY (Air=1):	NA
SOLUBILITY IN WATER:	Soluble in water
REACTIVITY IN WATER:	None known
APPEARANCE & ODOR:	Red colored powder
FLASH POINT:	NA
EXTINGUISHING MEDIA:	Waterfog, carbon dioxide, dry chemical
SPECIAL FIRE FIGHTING PROCEDURES:	None
UNUSUAL FIRE & EXPLOSION HAZARDS:	None

PHYSICAL HAZARDS

STABILITY: Stable

CONDITIONS TO AVOID: None

INCOMPATIBILITY:
(Materials to Avoid) None

HAZARDOUS DECOMPOSITION PRODUCTS: Burning may yield carbon monoxide.

HAZARDOUS POLYMERIZATION: Will not occur.

HEALTH HAZARDS

SIGNS & SYMPTOMS OF EXPOSURE:
Exposure to unprotected skin areas may cause temporary staining.

ACUTE OVEREXPOSURE:
None known

MEDICAL CONDITIONS GENERALLY AGGRAVATED BY EXPOSURE: None known

CHEMICAL LISTED AS CARCINOGEN OR POTENTIAL CARCINOGEN: None known

OSHA PERMISSIBLE EXPOSURE LIMIT: Not determined

ACGIH THRESHOLD LIMIT VALUE: Not determined

EMERGENCY & FIRST AID PROCEDURES:

1. Inhalation: Remove patient to fresh air treatment.
2. Eyes: Flush eyes with plenty of low pressure water. Obtain medical attention if irritation exists.
3. Skin: Wash exposed skin areas with soap and water. If irritation exists, obtain medical attention.
4. Ingestion: Obtain medical attention if large amount of product is ingested.

SPECIAL PROTECTION INFORMATION

RESPIRATORY PROTECTION:

An approved dust respirator should be worn.

VENTILATION:

Sufficient to prevent inhalation of vapors.

PROTECTIVE GLOVES:

Recommended

EYE PROTECTION:

Safety goggles

OTHER PROTECTIVE CLOTHING OR EQUIPMENT:

Coveralls to protect work clothes.

SPECIAL PRECAUTIONS & SPILL/LEAK PROCEDURES

PRECAUTIONS TO BE TAKEN IN HANDLING & STORAGE:

Provide adequate ventilation during handling. Store in dry place.

OTHER PRECAUTIONS:

Protect containers from physical damage.

STEPS TO BE TAKEN IN CASE MATERIAL IS RELEASED OR SPILLED:

Scoop up spilled material and discard into proper waste container. Provide proper ventilation during clean up.

WASTE DISPOSAL METHODS:

Dispose of according to federal, state and local regulations.

NA - Not Applicable

UI - Unavailable Information

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