

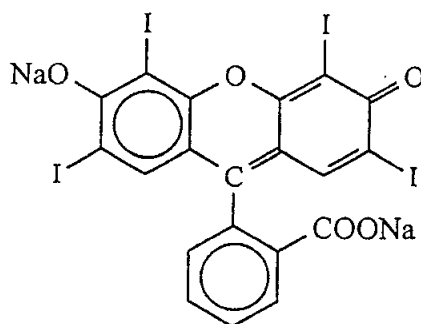
**TECHNICAL DATA**
**PRODUCT NAME: FD&C RED NO. 3**  
**PRODUCT CODE: 10-21-DA-6009**

Color Index Name: Food Red 14  
Common Name: Erythrosine

Color Index No.: 45430

CAS No.: 16423-68-0

Molecular Weight: 879.9



Chemical Name: Disodium salt of 9-(o-carboxyphenyl)-6-hydroxy-2,4,5,7-tetraiodo-3H-xanthen-3-one

Pure Color Assay: FDA Requirement 87% 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)

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

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HILTON DAVIS MATERIAL SAFETY DATA SHEET

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

Hilton Davis Code No.: 10-21-DA-6009  
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Emergency Phone Number:  
(513)841-4889 [(513)841-4000 24 Hour Number]

Date Prepared: 1/3/96

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IDENTIFICATION

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COMMON NAME: (used on Label)	FD&C Red No. 3 Powder
CAS NO.:	16432-68-0
CHEMICAL/TRADE NAME:	CI 45430, Erythrosine
PRODUCT CLASS:	FD&C Color
MOLECULAR FORMULA:	$C_{20}H_{14}Na_2O_5$

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HAZARDOUS INGREDIENTS

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(CAS REG. NO.) None

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PHYSICAL & CHEMICAL CHARACTERISTICS (Fire & Explosion Data)

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

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**SPECIAL PROTECTION INFORMATION**

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**RESPIRATORY PROTECTION:**

An approved dust respirator should be worn.

**VENTILATION:**

Local area exhaust is adequate.

**PROTECTIVE GLOVES:**

Recommended

**EYE PROTECTION:**

Safety goggles

**OTHER PROTECTIVE CLOTHING OR EQUIPMENT:**

Coveralls to protect work clothes.

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**SPECIAL PRECAUTIONS & SPILL/LEAK PROCEDURES**

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**PRECAUTIONS TO BE TAKEN IN HANDLING & STORAGE:**

Provide adequate ventilation during handling. Store in dry area.

**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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