SAFETY DATA SHEET

1. IDENTIFICATION

Product identifier

Product code: FD140
Product Name: FDANDC RED NO. 40

Other means of identification

Synonyms:

2-Naphthalenesulfonic acid, 6-hydroxy-5-((2-methoxy-5-methyl-4-sulfophenyl)azo)-, disodium salt
2-Naphthalenesulfonic acid, 6-hydroxy-5-((6-methoxy-4-sulfo-m-tolyl)azo)-, disodium salt
Allura Red
Allura Red AC
C.I. Food Red 17
Disodium 6-hydroxy-5-((2-methoxy-5-methyl-4-sulfophenyl)azo)-2-naphthalenesulfonate
Disodium 6-hydroxy-5-((6-methoxy-4-sulfo-m-tolyl)azo)-2-naphthalenesulfonate
FD and C Red No. 40
FD&C Red No. 40
Food Red 17
Food Red No. 40
Red No. 40
2-Naphthalenesulfonic acid, 6-hydroxy-5-((2-methoxy-5-methyl-4-sulfophenyl)azo)-, disodium salt
2-Naphthalenesulfonic acid, 6-hydroxy-5-((6-methoxy-4-sulfo-m-tolyl)azo)-, disodium salt
Disodium 6-hydroxy-5-((2-methoxy-4-sulphonato-m-tolyl)azo)naphthalene-2-sulphonate

CAS #: 25956-17-6
RTECS # QK2260000
Ci#: 16035

Recommended use of the chemical and restrictions on use

Recommended use: No information available.
Uses advised against: No information available

Supplier:
Spectrum Chemical Mfg. Corp
14422 South San Pedro St.
Gardena, CA 90248
(310) 516-8000

Order Online At: https://www.spectrumchemical.com

Emergency telephone number

Chemtrec 1-800-424-9300

Contact Person: Martin LaBenz (West Coast)
Contact Person: Ibad Tirmiz (East Coast)
2. HAZARDS IDENTIFICATION

Classification

This chemical is not considered hazardous by the 2012 OSHA Hazard Communication Standard (29 CFR 1910.1200)

Not a dangerous substance or mixture according to the Globally Harmonized System (GHS)

Label elements

<table>
<thead>
<tr>
<th>Hazards not otherwise classified (HNOC)</th>
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<tbody>
<tr>
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<table>
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<th>Other hazards</th>
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3. COMPOSITION/INFORMATION ON INGREDIENTS

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<th>CAS-No.</th>
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<td>100</td>
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<tr>
<td>25956-17-6</td>
<td></td>
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4. FIRST AID MEASURES

First aid measures

General Advice: If you feel unwell, seek medical advice (show the label where possible).

Skin Contact: Wash off immediately with soap and plenty of water removing all contaminated clothing and shoes. Get medical attention if irritation develops. Consult a physician if necessary.

Eye Contact: Flush eyes with water for 15 minutes. Get medical attention if irritation occurs. If symptoms persist, call a physician.

Inhalation: Move to fresh air. If not breathing, give artificial respiration. If breathing is difficult, give oxygen. Get medical attention.

Ingestion: Do not induce vomiting without medical advice. Never give anything by mouth to an unconscious person. Consult a physician if necessary.

Most important symptoms and effects, both acute and delayed

Symptoms: May cause eye/skin irritation. May cause hypermotility, diarrhea.

Indication of any immediate medical attention and special treatment needed

Notes to Physician: Treat symptomatically

Protection of first-aiders

First-Aid Providers: Avoid exposure to blood or body fluids. Wear gloves and other necessary protective clothing. Dispose of contaminated clothing and equipment as bio-hazardous waste

Product code: FD140  Product name: FDANDC RED NO. 40
5. FIRE-FIGHTING MEASURES

**Extinguishing Media**

**Suitable Extinguishing Media:**  
Dry powder. Carbon dioxide (CO2). Water spray mist or foam.

**Unsuitable Extinguishing Media:**  
No information available.

**Specific hazards arising from the chemical**

**Hazardous Combustion Products:**  
Carbon Monoxide, Carbon Dioxide, Nitrogen Oxides, Sulfur Oxides, Sodium oxides

**Specific hazards:**  
May be combustible at high temperatures

**Special Protective Actions for Firefighters**

**Specific Methods:**  
No information available.

**Special Protective Equipment for Firefighters:**  
As in any fire, wear self-contained breathing apparatus pressure-demand, MSHA/NIOSH (approved or equivalent) and full protective gear

6. ACCIDENTAL RELEASE MEASURES

**Personal precautions, protective equipment and emergency procedures**

**Personal Precautions:**  
Ensure adequate ventilation. Use personal protective equipment. Avoid contact with skin, eyes and clothing. Avoid dust formation. Avoid breathing dust. Remove all sources of ignition.

**Environmental precautions**  
Prevent further leakage or spillage if safe to do so. Do not let product enter drains.

**Methods and material for containment and cleaning up**

**Methods for containment**  
Stop leak if you can do it without risk. Cover with plastic sheet to prevent spreading.

**Methods for cleaning up**  
Sweep up and shovel into suitable containers for disposal. Clean contaminated surface thoroughly.

7. HANDLING AND STORAGE

**Precautions for safe handling**

**Technical Measures/Precautions:**  
Provide sufficient air exchange and/or exhaust in work rooms. Avoid dust formation. All equipment used when handling the product must be grounded. Keep away from incompatible materials.

**Safe Handling Advice**  
Wear personal protective equipment. Avoid contact with skin, eyes and clothing. Keep away from heat and sources of ignition. Avoid dust formation. Do not ingest. Handle in accordance with good industrial hygiene and safety practice. Do not breathe vapors/dust.

**Conditions for safe storage, including any incompatibilities**

**Technical Measures/Storage Conditions:**  
Keep container tightly closed in a dry and well-ventilated place. Store at room temperature in the original container. Store away from incompatible materials.

**Incompatible Materials:**  
Oxidizing agents.

---

**Product code:** FD140  
**Product name:** FDANDC RED NO. 40
8. EXPOSURE CONTROLS/PERSONAL PROTECTION

Control parameters

National occupational exposure limits

United States

<table>
<thead>
<tr>
<th>Components</th>
<th>OSHA</th>
<th>NIOSH</th>
<th>ACGIH</th>
<th>AIHA WHEEL</th>
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25956-17-6    |       |       |       |            |

Canada

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<th>Components</th>
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<th>British Columbia</th>
<th>Ontario</th>
<th>Quebec</th>
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Australia and Mexico

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</tbody>
</table>
25956-17-6    |           |        |

Appropriate engineering controls

Engineering measures to reduce exposure:

Ensure adequate ventilation. Use process enclosures, local exhaust ventilation, or other engineering controls to keep airborne levels below recommended exposure limits. If user operations generate dust, fume or mist, use ventilation to keep exposure to airborne contaminants below the exposure limit.

Individual protection measures, such as personal protective equipment

Personal Protective Equipment

Eye protection: Goggles or Safety glasses with side-shields

Skin and body protection: Chemical resistant apron. Gloves. Long sleeved clothing.

Respiratory protection: Effective dust mask. or. Wear respirator with dust filter. Use a dust respirator under conditions where exposure to the substance is apparent (e.g. generation of high concentration of dust (dust clouds), inadequate ventilation, development of respiratory tract irritation), and engineering controls are not feasible. Be sure to use an approved/certified respirator or equivalent.

Hygiene measures: Avoid contact with skin, eyes and clothing. Wash hands and face before breaks and immediately after handling the product. When using, do not eat, drink or smoke.
Reactivity
Reactive with oxidizing agents

Chemical stability
Stability: Stable under recommended storage conditions

Possibility of Hazardous Reactions: Hazardous polymerization does not occur

Conditions to avoid:

Incompatible Materials:
Oxidizing agents.

Hazardous decomposition products:

Other Information
Corrosivity: No information available

Special Remarks on Corrosivity: No information available
Principal Routes of Exposure:
Ingestion. Inhalation.

**Acute Toxicity**

**Component Information**

*FD&C Red #40 - 25956-17-6*
- \( LD_{50}/\text{oral/rat} = >10000 \text{ mg/kg} \text{ Oral LD50 Rat} \)
- \( LD_{50}/\text{oral/mouse} = \text{ No information available} \)
- \( LD_{50}/\text{dermal/rabbit} = >10000 \text{ mg/kg Dermal LD50 Rabbit} \)
- \( LD_{50}/\text{dermal/rat} = \text{ No information available} \)
- \( LC_{50}/\text{inhalation/rat} = \text{ No information available} \)
- \( LC_{50}/\text{inhalation/mouse} = \text{ No information available} \)
- Other \( LD_{50} \) or \( LC_{50} \) information = \( >5000 \text{ mg/kg Oral LD50 Dog} \)

**Product Information**

- \( LD_{50}/\text{oral/rat} = \)
  - VALUE - Acute Tox Oral = \( >10000 \text{mg/kg} \)

- \( LD_{50}/\text{oral/mouse} = \)
  - Value - Acute Tox Oral = \text{ No information available} \)

- \( LD_{50}/\text{dermal/rabbit} \)
  - VALUE-Acute Tox Dermal = \( >10000 \text{mg/kg} \)

- \( LD_{50}/\text{dermal/rat} \)
  - VALUE - Acute Tox Dermal = \text{ No information available} \)

- \( LC_{50}/\text{inhalation/rat} \)
  - VALUE-Vapor = \text{ No information available} \)
  - VALUE-Gas = \text{ No information available} \)
  - VALUE-Dust/Mist = \text{ No information available} \)

- \( LC_{50}/\text{Inhalation/mouse} \)
  - VALUE-Vapor = \text{ No information available} \)
  - VALUE - Gas = \text{ No information available} \)
  - VALUE - Dust/Mist = \text{ No information available} \)

**Symptoms**

- **Skin Contact:** May cause skin irritation
- **Eye Contact:** May cause eye irritation
- **Inhalation** May cause irritation of respiratory tract.
- **Ingestion** May cause hypermotility, diarrhea.
- **Aspiration hazard** No information available

**Delayed and immediate effects as well as chronic effects from short and long-term exposure**

**Chronic Toxicity** No information available

**Sensitization:** No information available

**Product code:** FD140  **Product name:** FDANDC RED NO. 40
Mutagenic Effects: No information available

Carcinogenic effects: Not considered carcinogenic

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<tr>
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<th>IARC</th>
<th>ACGIH - Carcinogens</th>
<th>NTP</th>
<th>OSHA HCS - Carcinogens</th>
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<th>Australia - Prohibited Carcinogenic Substances</th>
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Reproductive toxicity: No data is available

Reproductive Effects: No information available
Developmental Effects: No information available
Teratogenic Effects: No information available

Specific Target Organ Toxicity

STOT - single exposure: No information available
STOT - repeated exposure: No information available
Target Organs: No information available

12. ECOLOGICAL INFORMATION

Ecotoxicity

Ecotoxicity effects: No data available.

Persistence and degradability: No information available

Bioaccumulative potential: No information available

Mobility: No information available

13. DISPOSAL CONSIDERATIONS

Disposal Methods

Waste from residues / unused products: Waste must be disposed of in accordance with Federal, State and Local regulation.

Contaminated packaging: Empty containers should be taken for local recycling, recovery or waste disposal

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<tbody>
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14. TRANSPORT INFORMATION

DOT

Product code: FD140 Product name: FDANDC RED NO. 40
### 14. TRANSPORT INFORMATION

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<td>ERG No:</td>
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**Product code:** FD140  
**Product name:** FDANDC RED NO. 40
15. REGULATORY INFORMATION

International Inventories

<table>
<thead>
<tr>
<th>Components</th>
<th>U.S. TSCA</th>
<th>KOREA KECL</th>
<th>Philippines (PICCS)</th>
<th>Japan ENCS</th>
<th>CHINA</th>
<th>Australia (AICS)</th>
<th>EINECS-No.</th>
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<td>Present 247-368-0</td>
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U.S. Regulations

FD&C Red #40
FDA - 21 CFR - Total Food Additives  74.1340  74.2340  74.340


Chemicals Known to the State of California to Cause Cancer:
This product does not contain a chemical requiring a warning under California Prop. 65. (See table below)

Chemicals Known to the State of California to Cause Reproductive Toxicity:
This product does not contain a chemical requiring a warning under California Prop. 65. (See table below)

<table>
<thead>
<tr>
<th>Components</th>
<th>Carcinogen</th>
<th>Developmental Toxicity</th>
<th>Male Reproductive Toxicity</th>
<th>Female Reproductive Toxicity</th>
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CERCLA/SARA

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<tr>
<th>Components</th>
<th>CERCLA - Hazardous Substances and their Reportable Quantities</th>
<th>Section 302 Extremely Hazardous Substances and TPQs</th>
<th>Section 302 Extremely Hazardous Substances and RQs</th>
<th>Section 313 - Chemical Category</th>
<th>Section 313 - Reporting de minimis</th>
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U.S. TSCA

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<tr>
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<th>TSCA Section 5(a)2 - Chemicals With Significant New Use Rules (SNURS)</th>
<th>TSCA 8(d) - Health and Safety Reporting</th>
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Canada

WHMIS hazard class:
Non-controlled

Canada Controlled Products Regulation:
This product has been classified according to the hazard criteria of the CPR (Controlled Products Regulation) and the MSDS contains all of the information required by the CPR.

Inventory

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Product code: FD140  Product name: FDANDC RED NO. 40
EU Classification

R-phrase(s)
not determined (not applicable)

S -phrase(s)
none

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<tr>
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<th>Safety Phrases</th>
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The product is classified in accordance with Annex VI to Directive 67/548/EEC

Indication of danger:
None.
Disclaimer:

All chemicals may pose unknown hazards and should be used with caution. This Safety Data Sheet (SDS) applies only to the material as packaged. If this product is combined with other materials, deteriorates, or becomes contaminated, it may pose hazards not mentioned in this SDS. The physical properties reported in this SDS are obtained from the literature and do not constitute product specifications. Information contained herein does not constitute a warranty, whether expressed or implied, as to the safety, merchantability or fitness of the goods for a particular purpose. Spectrum Chemicals & Laboratory Products, Inc. assumes no responsibility for results obtained or for incidental or consequential damages, including lost profits, arising from the use of these data. No warranty against infringement of any patent, copyright or trademark is made or implied. It shall be the user's responsibility to develop proper methods of handling and personal protection based on the actual conditions of use. While this SDS is based on technical data judged to be reliable, Spectrum assumes no responsibility for the completeness or accuracy of the information contained herein.

End of Safety Data Sheet