# Material Safety Data Sheet

**Section 1. Chemical Product and Company Identification**

<table>
<thead>
<tr>
<th>NFPA</th>
<th>HMIS</th>
<th>Personal Protective Equipment</th>
</tr>
</thead>
<tbody>
<tr>
<td>0</td>
<td>0</td>
<td></td>
</tr>
</tbody>
</table>

Common Name/Trade Name: Docusate Sodium Compound

Manufacturer: SPECTRUM LABORATORY PRODUCTS INC.
14422 S. SAN PEDRO STREET
GARDENA, CA 90248

Commercial Name(s): Not available.
Synonym: Dioctyl Sodium Sulfosuccinate compounded with Sodium Benzoate.
Chemical Name: Aliphatic sulfonate. (Surfactant.)
Chemical Formula: C20H37SO7Na
Supplier: SPECTRUM LABORATORY PRODUCTS INC.
14422 S. SAN PEDRO STREET
GARDENA, CA 90248

Catalog Number(s): D1150, DO106
CAS#: Mixture.
RTECS: WN0525000
TSCA: TSCA 8(b) inventory: Docusate sodium; Sodium benzoate
CI#: Not applicable.

**Section 2. Composition and Information on Ingredients**

<table>
<thead>
<tr>
<th>Name</th>
<th>CAS #</th>
<th>TWA (mg/m³)</th>
<th>STEL (mg/m³)</th>
<th>CEIL (mg/m³)</th>
<th>% by Weight</th>
</tr>
</thead>
<tbody>
<tr>
<td>1) Docusate sodium</td>
<td>577-11-7</td>
<td></td>
<td></td>
<td></td>
<td>85</td>
</tr>
<tr>
<td>2) Sodium benzoate</td>
<td>532-32-1</td>
<td></td>
<td></td>
<td></td>
<td>15</td>
</tr>
</tbody>
</table>

Toxicological Data on Ingredients:

- **Docusate sodium:**
  - ORAL (LD50): Acute: 2643 mg/kg [Rat].

**Section 3. Hazards Identification**

Potential Acute Health Effects: Hazardous in case of skin contact (irritant), of eye contact (irritant). Slightly hazardous in case of ingestion, of inhalation.

Potential Chronic Health Effects:
- **CARCINOGENIC EFFECTS:** Not available.
- **MUTAGENIC EFFECTS:** Not available.
- **TERATOGENIC EFFECTS:** Not available.
- **DEVELOPMENTAL TOXICITY:** Not available.
- The substance may be toxic to blood, liver, central nervous system (CNS).
- Repeated or prolonged exposure to the substance can produce target organs damage.

*Continued on Next Page*
### Section 4. First Aid Measures

<table>
<thead>
<tr>
<th><strong>Eye Contact</strong></th>
<th>Check for and remove any contact lenses. In case of contact, immediately flush eyes with plenty of water for at least 15 minutes. Cold water may be used. Get medical attention.</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Skin Contact</strong></td>
<td>In case of contact, immediately flush skin with plenty of water. Cover the irritated skin with an emollient. Remove contaminated clothing and shoes. Cold water may be used. Wash clothing before reuse. Thoroughly clean shoes before reuse. Get medical attention.</td>
</tr>
<tr>
<td><strong>Serious Skin Contact</strong></td>
<td>Wash with a disinfectant soap and cover the contaminated skin with an anti-bacterial cream. Seek medical attention.</td>
</tr>
<tr>
<td><strong>Inhalation</strong></td>
<td>If inhaled, remove to fresh air. If not breathing, give artificial respiration. If breathing is difficult, give oxygen. Get medical attention.</td>
</tr>
<tr>
<td><strong>Serious Inhalation</strong></td>
<td>Not available.</td>
</tr>
<tr>
<td><strong>Ingestion</strong></td>
<td>Do NOT induce vomiting unless directed to do so by medical personnel. Never give anything by mouth to an unconscious person. Loosen tight clothing such as a collar, tie, belt or waistband. Get medical attention if symptoms appear.</td>
</tr>
<tr>
<td><strong>Serious Ingestion</strong></td>
<td>Not available.</td>
</tr>
</tbody>
</table>

### Section 5. Fire and Explosion Data

| **Flammability of the Product** | May be combustible at high temperature. |
| **Auto-Ignition Temperature** | Not available. |
| **Flash Points** | Not available. |
| **Flammable Limits** | Not available. |
| **Products of Combustion** | These products are carbon oxides (CO, CO2), sulfur oxides (SO2, SO3...). |
| **Fire Hazards in Presence of Various Substances** | Slightly flammable to flammable in presence of heat. Non-flammable in presence of shocks. |
| **Explosion Hazards in Presence of Various Substances** | Risks of explosion of the product in presence of mechanical impact: Not available. Slightly explosive in presence of open flames and sparks. |
| **Fire Fighting Media and Instructions** | SMALL FIRE: Use DRY chemical powder. LARGE FIRE: Use water spray, fog or foam. Do not use water jet. |

| **Special Remarks on Fire Hazards** | As with most organic solids, fire is possible at elevated temperatures. Material in powder form, capable of creating a dust explosion. |
| **Special Remarks on Explosion Hazards** | Fine dust dispersed in air in sufficient concentrations, and in the presence of an ignition source is a potential dust explosion hazard. |

### Section 6. Accidental Release Measures

| **Small Spill** | Use appropriate tools to put the spilled solid in a convenient waste disposal container. Finish cleaning by spreading water on the contaminated surface and dispose of according to local and regional authority requirements. |
| **Large Spill** | Use a shovel to put the material into a convenient waste disposal container. Finish cleaning by spreading water on the contaminated surface and allow to evacuate through the sanitary system. |

*Continued on Next Page*
Section 7. Handling and Storage

Precautions
Keep away from heat. Keep away from sources of ignition. Empty containers pose a fire risk, evaporate the residue under a fume hood. Ground all equipment containing material. Do not ingest. Do not breathe dust. Wear suitable protective clothing. If ingested, seek medical advice immediately and show the container or the label. Avoid contact with skin and eyes. Keep away from incompatibles such as oxidizing agents.

Storage
Keep container tightly closed. Keep container in a cool, well-ventilated area.

Section 8. Exposure Controls/Personal Protection

Engineering Controls
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.

Personal Protection
Splash goggles. Lab coat. Dust respirator. Be sure to use an approved/certified respirator or equivalent.

Personal Protection in Case of a Large Spill
Splash goggles. Full suit. Dust respirator. Boots. Gloves. A self contained breathing apparatus should be used to avoid inhalation of the product. Suggested protective clothing might not be sufficient; consult a specialist BEFORE handling this product.

Exposure Limits
Not available.

Section 9. Physical and Chemical Properties

Physical state and appearance
Solid. (Powdered solid.)

Odor
Slight.

Molecular Weight
Not applicable.

Taste
Not available.

pH (1% soln/water)
Not available.

Color
White.

Boiling Point
Not available.

Melting Point
>300°C (572°F) based on data for: Sodium benzoate.

Critical Temperature
Not available.

Specific Gravity
Not available.

Vapor Pressure
Not applicable.

Vapor Density
The highest known value is 4.97 (Air = 1) (Sodium benzoate).

Volatility
Not available.

Odor Threshold
Not available.

Water/Oil Dist. Coeff.
Not available.

Ionicity (in Water)
Anionic. (Docusate sodium).

Dispersion Properties
See solubility in water, acetone.

Solubility
Easily soluble in hot water. Soluble in cold water, acetone.

Section 10. Stability and Reactivity Data

Stability
The product is stable.

Instability Temperature
Not available.

Conditions of Instability
Excess heat, incompatible materials

Incompatibility with various substances
Reactive with oxidizing agents.

Corrosivity
Non-corrosive in presence of glass.

Special Remarks on Reactivity
Hygroscopic; keep container tightly closed.

Continued on Next Page
**Section 11. Toxicological Information**

**Routes of Entry**
Inhalation. Ingestion.

**Toxicity to Animals**
Acute oral toxicity (LD50): 1600 mg/kg [Mouse]. (Sodium benzoate).

**Chronic Effects on Humans**
Contains material which may cause damage to the following organs: blood, liver, central nervous system (CNS).

**Other Toxic Effects on Humans**
Hazardous in case of skin contact (irritant). Slightly hazardous in case of ingestion, of inhalation.

**Special Remarks on Toxicity to Animals**
Not available.

**Special Remarks on Chronic Effects on Humans**
May cause adverse reproductive effects based on animal test data (Docusate sodium).

**Special Remarks on other Toxic Effects on Humans**
Not available.

**Acute Potential Health Effects:**
- **Skin:** Causes skin irritation. Skin irritation may be moderate.
- **Eyes:** Causes eye irritation. It can be mild to severe depending on concentration and length of exposure. It may cause conjunctival irritation and may be mildly and reversibly damaging to eyes or severely damaging depending on concentration and duration of exposure.
- **Inhalation:** May cause respiratory tract irritation with coughing, wheezing and/or shortness of breath.
- **Ingestion:** May cause anorexia, abdominal/gastric pain, nausea, vomiting, hypermotility, diarrhea, intestinal bloating. It may affect the blood vessels (vascular system). This product contains Sodium Benzoate which may affect behavior/central nervous system (tremor, convulsions, change in motor activity), and respiration (dyspnea).

**Chronic Potential Health Effects:**
- **Skin:** Repeated or prolonged skin contact may cause skin allergy (contact dermatitis).
- **Ingestion:** Prolonged or repeated ingestion may cause nausea. Prolonged or repeated ingestion of Sodium Benzoate may affect behavior/central nervous system (symptoms similar to acute exposure) as well as liver, blood (changes in serum composition (e.g. TP, bilirubin, cholesterol)), and urinary system. Ingestion of large amounts of benzoates (1 gram per kilogram of body weight per day) may also cause weight loss and have been associated with metabolic acidosis (a disturbance of the body acid-base balance in which there is excessive acidity of the blood), lactic acidosis, hypokalemia (low blood potassium levels), and hypocalcemia (low blood calcium levels). Furthermore, repeated or prolonged ingestion of benzoates may cause allergic (anaphylactoid) reaction.

**Section 12. Ecological Information**

**Ecotoxicity**
Not available.

**BOD5 and COD**
Not available.

**Products of Biodegradation**
Possibly hazardous short term degradation products are not likely. However, long term degradation products may arise.

**Toxicity of the Products of Biodegradation**
The product itself and its products of degradation are not toxic.

**Special Remarks on the Products of Biodegradation**
Not available.

**Section 13. Disposal Considerations**

**Waste Disposal**
Waste must be disposed of in accordance with federal, state and local environmental control regulations.

**Continued on Next Page**
### Section 14. Transport Information

<table>
<thead>
<tr>
<th>DOT Classification</th>
<th>Not a DOT controlled material (United States).</th>
</tr>
</thead>
<tbody>
<tr>
<td>Identification</td>
<td>Not applicable.</td>
</tr>
<tr>
<td>Special Provisions for Transport</td>
<td>Not applicable.</td>
</tr>
<tr>
<td>DOT (Pictograms)</td>
<td><img src="image" alt="DOT Pictogram" /></td>
</tr>
</tbody>
</table>

### Section 15. Other Regulatory Information and Pictograms

<table>
<thead>
<tr>
<th>Federal and State Regulations</th>
<th>TSCA 8(b) inventory: Docusate sodium; Sodium benzoate</th>
</tr>
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<tbody>
<tr>
<td>California Proposition 65</td>
<td>California prop. 65: This product contains the following ingredients for which the State of California has found to cause cancer which would require a warning under the statute: No products were found. California prop. 65: This product contains the following ingredients for which the State of California has found to cause birth defects which would require a warning under the statute: No products were found.</td>
</tr>
<tr>
<td>Other Classifications</td>
<td>WHMIS (Canada): Not controlled under WHMIS (Canada).</td>
</tr>
</tbody>
</table>

#### Other Classifications

- **WHMIS (Canada)**: Not controlled under WHMIS (Canada).
- **DSCL (EEC)**: R36/38- Irritating to eyes and skin. S26- In case of contact with eyes, rinse immediately with plenty of water and seek medical advice. S37- Wear suitable gloves.
- **HMIS (U.S.A.)**:
  - Health Hazard: 2
  - Fire Hazard: 1
  - Reactivity: 0
  - Personal Protection: E

- **National Fire Protection Association (U.S.A.)**:
  - Health: 2
  - Flammability: 0
  - Reactivity: Specific hazard

- **WHMIS (Canada)** (Pictograms): ![WHMIS Pictogram](image)
Protective Equipment

- Gloves.
- Lab coat.
- Dust respirator. Be sure to use an approved/certified respirator or equivalent.
- Splash goggles.

Section 16. Other Information

<table>
<thead>
<tr>
<th>MSDS Code</th>
<th>D3571</th>
</tr>
</thead>
<tbody>
<tr>
<td>References</td>
<td>Not available.</td>
</tr>
<tr>
<td>Other Special Considerations</td>
<td>Major Uses: Laxative in the management of constipation; wetting agent in industrial, pharmaceutical, cosmetic and food applications; Food additive; dispersing and emulsifying agent (Docusate sodium)</td>
</tr>
</tbody>
</table>

Validated by Sonia Owen on 10/13/2009.  
Verified by Sonia Owen.  

CALL (310) 516-8000

Notice to Reader

All chemicals may pose unknown hazards and should be used with caution. This Material Safety Data Sheet (MSDS) 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 MSDS. 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 MSDS is based on technical data judged to be reliable, Spectrum Quality Products, Inc. assumes no responsibility for the completeness or accuracy of the information contained herein.