

SAFETY DATA SHEET

Preparation Date: 5/18/2016

Revision Date: 5/18/2016

Revision Number: G1

1. IDENTIFICATION

Product identifier

Product code: DO105
Product Name: DOCUSATE SODIUM, USP

Other means of identification

Synonyms: Di-(2-ethylhexyl) sodium sulfosuccinate
 Dioctlyn
 Dioctylal
 Dioctyl ester of sodium sulfosuccinate
 Dioctyl ester of sodium sulfosuccinic acid
 Dioctyl-medo forte
 Dioctyl sodium sulfosuccinate
 Dioctyl sulfosuccinate sodium
 Dioctyl sulfosuccinate sodium salt
 2-Ethylhexyl sulfosuccinate sodium
 Bis(ethylhexyl) ester of sodium sulfosuccinic acid
 Bis-2-ethylhexylester sulfojantarunu sodneho (Czech)
 Bis(2-ethylhexyl)sodium sulfosuccinate
 Bis(2-ethylhexyl) S-sodium sulfosuccinate
 1,4-Bis(2-ethylhexyl) sodium sulfosuccinate
 Butanedioic acid, sulfo-, 1,4-bis(2-ethylhexyl) ester, sodium salt
 Sodium bis(2-ethylhexyl) sulfosuccinate
 Sodium di-(2-ethylhexyl) sulfosuccinate
 Sodium dioctyl sulfosuccinate
 Sodium dioctyl sulphosuccinate
 Sodium 2-ethylhexylsulfosuccinate
 Sodium sulfodi-(2-ethylhexyl)-sulfosuccinate
 Sulfosuccinic acid, bis(2-ethylhexyl)ester sodium salt

CAS #: 577-11-7
RTECS # WN0525000
CI#: Not available

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

Product code: DO105

Product name: DOCUSATE SODIUM,
USP

Contact Person: Martin LaBenz (West Coast)
Contact Person: Ibad Tirmiz (East Coast)

2. HAZARDS IDENTIFICATION

Classification

This chemical is considered hazardous according to the 2012 OSHA Hazard Communication Standard (29 CFR 1910.1200)

Considered a dangerous substance or mixture according to the Globally Harmonized System (GHS)

Acute toxicity - Oral	Category 4
Skin corrosion/irritation	Category 2
Serious eye damage/eye irritation	Category 2A

Label elements

Warning

Hazard statements

Harmful if swallowed
Causes skin irritation
Causes serious eye irritation



Hazards not otherwise classified (HNOC)

Not Applicable

Other hazards

Not available

Precautionary Statements - Prevention

Do not eat, drink or smoke when using this product
Wash face, hands and any exposed skin thoroughly after handling
Wear protective gloves
Wear eye/face protection

Precautionary Statements - Response

IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. If eye irritation persists: Get medical advice/attention.
IF ON SKIN: Wash with plenty of water
If skin irritation occurs: Get medical advice/attention
Take off contaminated clothing and wash it before reuse
IF SWALLOWED: Call a POISON CENTER or doctor/physician if you feel unwell

3. COMPOSITION/INFORMATION ON INGREDIENTS

Components	CAS-No.	Weight %
Docusate Sodium 577-11-7	577-11-7	100

4. FIRST AID MEASURES

First aid measures

General Advice:

National Capital Poison Center in the United States can provide assistance if you have a poison emergency and need to talk to a poison specialist. Call 1-800-222-1222

Skin Contact:

Wash off immediately with soap and plenty of water removing all contaminated clothing and shoes. Get medical attention. If skin irritation persists, call a physician.

Eye Contact:

Flush eyes with water for 15 minutes. Get medical attention.

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

Causes eye irritation. Causes skin irritation. May cause anorexia. May cause gastritis. May cause hypermotility, diarrhea. Vomiting. Somnolence.

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

5. FIRE-FIGHTING MEASURES

Extinguishing Media

Suitable Extinguishing Media:

Dry chemical. Water spray mist or foam.

Unsuitable Extinguishing Media:

No information available.

Specific hazards arising from the chemical

Hazardous Combustion Products:

Carbon 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. Keep people away from and upwind of spill/leak. Use personal protective equipment. Avoid contact with skin, eyes and clothing. Do not touch damaged containers or spilled material unless wearing appropriate protective clothing. Remove all sources of ignition.

Environmental precautions Prevent further leakage or spillage if safe to do so. Prevent product from entering drains. Prevent entry into waterways, sewers, basements or confined areas.

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. 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. Do not ingest. Do not breathe vapors/dust. Handle in accordance with good industrial hygiene and safety practice.

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. Hygroscopic.

Incompatible Materials:

Oxidizing agents.

8. EXPOSURE CONTROLS/PERSONAL PROTECTION

Control parameters

National occupational exposure limits

United States

Components	OSHA	NIOSH	ACGIH	AIHA WHEEL
Docosate Sodium 577-11-7	None	None	None	None

Canada

Components	Alberta	British Columbia	Ontario	Quebec
Docosate Sodium 577-11-7	None	None	None	None

Australia and Mexico

Components	Australia	Mexico
Docosate Sodium 577-11-7	None	None

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:** Safety glasses Safety glasses with side-shields
- Skin and body protection:** Chemical resistant apron. Long sleeved clothing. Gloves.
- Respiratory protection:** Effective dust mask. 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 before breaks and immediately after handling the product. When using, do not eat, drink or smoke.

9. PHYSICAL AND CHEMICAL PROPERTIES

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Physical state: Solid	Appearance: Flakes. Waxy.	Color: White.
Odor: odor suggestive of octyl alcohol. Soapy.	Taste No information available	Formula: C20-H37-Na-O7-S
Molecular/Formula weight: 444.56	Flammability: No information available	Flashpoint (°C/°F): No information available.
Flash Point Tested according to: Not available	Autoignition Temperature (°C/°F): No information available	Lower Explosion Limit (%): No information available
Upper Explosion Limit (%): No information available	pH: No information available	Melting point/range(°C/°F): 153-157 °C/307.4-314.6 °F
Decomposition temperature(°C/°F): No information available	Boiling point/range(°C/°F): >180 °C/356 °F	Bulk density: No information available
Density (g/cm3): 1.1	Specific gravity: No information available	Vapor pressure @ 20°C (kPa): No information available
Evaporation rate: No information available	Vapor density: No information available	VOC content (g/L): No information available
Odor threshold (ppm): No information available	Partition coefficient (n-octanol/water): No information available	Viscosity: No information available
Miscibility: No information available	Solubility: Soluble in Acetone Soluble in Carbon tetrachloride Soluble in Dibutyl phthalate Soluble in hot water Soluble in Petroleum Ether Soluble in organic solvents Soluble in Xylene Partially soluble in cold water Freely soluble in Glycerin Solubility in Water: 15 g/L @ 25°C; 23 g/L @ 40°C; 30 g/L @ 50°C; 55 g/L @ 70°C	

10. STABILITY AND REACTIVITY

Reactivity

Reactive with oxidizing agents

Chemical stability

Stability:

Hygroscopic. Stable under recommended storage conditions.

Possibility of Hazardous Reactions:

Hazardous polymerization does not occur

Conditions to avoid:

Heat. Ignition sources. Incompatible materials. Exposure to moisture.

Incompatible Materials:

Oxidizing agents.

Hazardous decomposition products:

Carbon oxides. Sulfur oxides. Sodium oxides.

Other Information

Product code: DO105

Product name: DOCUSATE SODIUM,
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Corrosivity: No information available

Special Remarks on Corrosivity: No information available

11. TOXICOLOGICAL INFORMATION

Information on likely routes of exposure

Principal Routes of Exposure:

Eyes. Ingestion. Inhalation. Skin.

Acute Toxicity

Component Information

Docusate Sodium - 577-11-7

LD50/oral/rat = 1900 mg/kg Oral LD50 Rat
LD50/oral/mouse = 2643 mg/kg oral LD50 mouse
LD50/dermal/rabbit = 10000 mg/kg Dermal LD50Rabbit
LD50/dermal/rat = No information available
LC50/inhalation/rat = No information available
LC50/inhalation/mouse = No information available
Other LD50 or LC50information = No information available

Product Information

LD50/oral/rat =
VALUE- Acute Tox Oral = 1900mg/kg

LD50/oral/mouse =
Value - Acute Tox Oral = 2643mg/kg

LD50/dermal/rabbit
VALUE-Acute Tox Dermal = 10000mg/kg

LD50/dermal/rat
VALUE -Acute Tox Dermal = No information available

LC50/inhalation/rat
VALUE-Vapor = No information available
VALUE-Gas = No information available
VALUE-Dust/Mist = No information available

LC50/Inhalation/mouse
VALUE-Vapor = No information available
VALUE - Gas = No information available
VALUE - Dust/Mist = No information available

Symptoms

Skin Contact: Causes skin irritation.

Eye Contact: Causes serious eye irritation.

Inhalation It is a waxy solid in the form of flakes and it not expected to cause irritation of the respiratory tract. Not expected to be an inhalation hazard.

Ingestion Harmful if swallowed. May cause gastritis. May cause hypermotility, diarrhea. May affect behavior/central nervous system (somnolence). May cause decreased appetite or anorexia. May cause vomiting. May cause bloating.

Aspiration hazard No information available

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

Chronic Toxicity Prolonged and repeated ingestion may cause weight loss or anorexia. Prolonged or repeated ingestion may cause gastritis. Prolonged or repeated ingestion may cause hypermotility and diarrhea. Prolonged or repeated ingestion may affect the blood (changes in serum composition).

Sensitization: No information available

Mutagenic Effects: No information available

Carcinogenic effects: Not considered carcinogenic

Components	IARC	ACGIH - Carcinogens	NTP	OSHA HCS - Carcinogens	Australia - Notifiable Carcinogenic Substances	Australia - Prohibited Carcinogenic Substances
Docusate Sodium	Not listed	Not listed	Not listed	Not listed	Not listed	Not listed

Reproductive toxicity No data is available

Reproductive Effects: May cause adverse reproductive effects based on animal data
Evidence of reproductive in animals is limited and is only reported in the Registry of Toxic Effects of Chemical Substances (RTECS)

Developmental Effects: No information on reproductive toxicity effects on humans was found
Evidence of developmental effects in animals is limited and is only reported in the Registry of Toxic Effects of Chemical Substances (RTECS)

Teratogenic Effects: No information on developmental toxicity effects on humans was found
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: Aquatic environment.

Docusate Sodium - 577-11-7

Freshwater Fish Species Data: 20 - 40 mg/L LC50 Oncorhynchus mykiss 96 h semi-static 1
24 mg/L LC50 Oncorhynchus mykiss 96 h static 1
37 mg/L LC50 Lepomis macrochirus 96 h static 1

Water Flea Data: 36 mg/L EC50 Daphnia magna 48 h

Docusate Sodium - 577-11-7

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

Components	RCRA - F Series Wastes	RCRA - K Series Wastes	RCRA - P Series Wastes	RCRA - U Series Wastes
Docusate Sodium	None	None	None	None

14. TRANSPORT INFORMATION

DOT

UN-No: Not Regulated
Proper Shipping Name: No information available
Hazard Class: No information available
Subsidiary Risk: No information available
Packing Group: None
ERG No: No information available
Marine Pollutant: No data available
DOT RQ (lbs): No information available
Special Provisions: No Information available
Symbol(s): No information available

TDG (Canada)

UN-No: Not Regulated
Proper Shipping Name: No information available
Hazard Class: No information available
Subsidiary Risk: No information available
Packing Group: No information available
Marine Pollutant: No Information available

ADR

UN-No: Not Regulated
Proper Shipping Name: No information available
Hazard Class: No information available
Packing Group: No information available
Subsidiary Risk: No information available

IMO / IMDG

UN-No: Not Regulated

Product code: DO105

Product name: DOCUSATE SODIUM,
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14. TRANSPORT INFORMATION

Proper Shipping Name: No information available
Hazard Class: No information available
Subsidiary Risk: No information available
Packing Group: No information available
Marine Pollutant: No information available

RID

UN-No: Not Regulated
Proper Shipping Name: No information available
Hazard Class: No information available
Subsidiary Risk: No information available
Packing Group: No information available

ICAO

UN-No: Not Regulated
Proper Shipping Name: No information available
Hazard Class: No information available
Subsidiary Risk: No information available
Packing Group: No information available

IATA

UN-No: Not Regulated
Proper Shipping Name: No information available
Hazard Class: No information available
Subsidiary Risk: No information available
Packing Group: No information available
ERG Code: No information available
Special Provisions: No information available

15. REGULATORY INFORMATION

International Inventories

Components	U.S. TSCA	KOREA KECL	Philippines (PICCS)	Japan ENCS	CHINA	Australia (AICS)	EINECS-No.
<i>Docosate Sodium</i>	Present	Present KE-32402	Present	Present (2)-1623	Present	Present	Present 209-406-4

U.S. Regulations

Docosate Sodium

FDA - Direct Food Additives 21 CFR 172.810

FDA - 21 CFR - Total Food Additives 131.130 131.132 133.124 133.133 133.134 133.162 133.178 133.179 163.117 169.115
 169.150 172.520 172.808 172.810 175.105 175.300 175.320 176.170 176.180 176.210
 177.1200 177.2800 178.1010 178.3400 73.1

California Prop. 65: Safe Drinking Water and Toxic Enforcement Act of 1986.

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)

Components	Carcinogen	Developmental Toxicity	Male Reproductive Toxicity	Female Reproductive Toxicity:
<i>Docosate Sodium</i>	Not Listed	Not Listed	Not Listed	Not Listed

CERCLA/SARA

Components	CERCLA - Hazardous Substances and their Reportable Quantities	Section 302 Extremely Hazardous Substances and TPQs	Section 302 Extremely Hazardous Substances and RQs	Section 313 - Chemical Category	Section 313 - Reporting de minimis
<i>Docusate Sodium</i>	None	None	None	None	None

U.S. TSCA

Components	TSCA Section 5(a)2 - Chemicals With Significant New Use Rules (SNURS)	TSCA 8(d) -Health and Safety Reporting
<i>Docusate Sodium</i>	Not Applicable	Not Applicable

Canada**WHMIS hazard class:**

D2B Toxic materials

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.

Components	WHMIS Ingredient Disclosure List -
<i>Docusate Sodium</i>	1 %

Inventory

Components	Canada (DSL)	Canada (NDSL)
<i>Docusate Sodium</i>	Present	Not Listed

Components	CEPA Schedule I - Toxic Substances
<i>Docusate Sodium</i>	Not listed

Components	CEPA - 2010 Greenhouse Gases Subject to Mandatory Reporting
<i>Docusate Sodium</i>	Not listed

EU Classification**R-phrase(s)**

R22 - Harmful if swallowed.

R36 - Irritating to eyes.

R38 - Irritating to skin.

S -phrase(s)

S26 - In case of contact with eyes, rinse immediately with plenty of water and seek medical advice.

S37 - Wear suitable gloves.

S39 - Wear eye/face protection.

S46 - If swallowed, seek medical advice immediately and show this container or label.

Components	Classification	Concentration Limits:	Safety Phrases
<i>Docusate Sodium</i>		No information	

The product is classified in accordance with Annex VI to Directive 67/548/EEC

Indication of danger:

Xn - Harmful.

Xi - Irritant.



16. OTHER INFORMATION

Preparation Date: 5/18/2016
Revision Date: 5/18/2016
Prepared by: Sonia Owen

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