### Section 1 - Product and Company Information

<table>
<thead>
<tr>
<th>Product Name</th>
<th>DIOCTYL SULFOSUCCINATE, SODIUM SALT, 98%</th>
</tr>
</thead>
<tbody>
<tr>
<td>Product Number</td>
<td>323586</td>
</tr>
<tr>
<td>Brand</td>
<td>ALDRICH</td>
</tr>
<tr>
<td>Company</td>
<td>Sigma-Aldrich Canada, Ltd</td>
</tr>
<tr>
<td>Address</td>
<td>2149 Winston Park Drive</td>
</tr>
<tr>
<td>Technical Phone</td>
<td>9058299500</td>
</tr>
<tr>
<td>Fax</td>
<td>9058299292</td>
</tr>
<tr>
<td>Emergency Phone</td>
<td>800-424-9300</td>
</tr>
</tbody>
</table>

### Section 2 - Composition/Information on Ingredient

<table>
<thead>
<tr>
<th>Substance Name</th>
<th>CAS #</th>
<th>SARA 313</th>
</tr>
</thead>
<tbody>
<tr>
<td>BIS(2-ETHYLHEXYL) SULFOSUCCINATE</td>
<td>577-11-7</td>
<td>No</td>
</tr>
<tr>
<td>SODIUM SALT</td>
<td></td>
<td></td>
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</tbody>
</table>

| Formula                | C20H37O7S.Na |
| Synonyms               | Aerosol GPG * Aerosol OT * Aerosol OT 75 * Aerosol OT-B * Alcopol O * Alphason OT * Berol 478 * Bis(ethylhexyl) ester of sodium sulfo succinic aci * Bis-2-ethylhexylester sulfojantararu sodneho (Czech) * Bis(2-ethylhexyl)sodium sulfo succinate * Bis(2-ethylhexyl) S-sodium sulfo succinate * 1,4-Bis(2-ethylhexyl) sodium sulfo succinate * Butanedioic acid, sulfo-, 1,4-bis(2-ethylhexyl) ester, sodium salt (9CI) * Celanol DOS 75 * Clesterol * Colace * Complemix * Constonate * Coprol * Defilin * Di-(2-ethylhexyl) sodium sulfo succinate * Dioctlyn * Dioctylal * Dioctyl ester of sodium sulfo succinic acid * Dioctyl-medo forte * Dioctyl sodium sulfo succinate * Dioctyl sulfo succinate sodium * Dioctyl sulfo succinate sodium salt * Diomedicone * Diosuccin * Diotilan * Diovac * Docusate sodium * Doxinate * Doxol * D-S-S * Dulsvaic * Duosol * 2-Ethylhexyl sulfo succinate sodium * Humifen WT 27G * Konlax * Kosate * Laxinate * Laxinate 100 * Manoxal OT * Manoxol OT * Mervamine * Modane soft * Molatorc * Molcer * Molofac * Monawet MD 70E * Monawet MO-70 * Monawet MO-70 RP * Monawet MO-84 R2W * Monoxol OT * Nekal WT-27 * Nevax * Nikkol OTP 70 * Norval * Obstol * Rapisol * Regutol * Regutol * Revac * Sanmorin OT 70 * SBO * Sobital * Sodium bis(2-ethylhexyl) sulfo succinate * Sodium di-(2-ethylhexyl) sulfo succinate * Sodium dioctyl sulfo succinate * Sodium dioctyl sulphosuccinate * Sodium 2-ethylhexylsulfo succinate * Sodium sulfodi-(2-ethylhexyl)-sulfo succinate * Soft |
Section 3 - Hazards Identification

EMERGENCY OVERVIEW
Harmful.
Harmful if swallowed. Irritating to skin. Risk of serious damage to eyes.
Target organ(s): Small intestine. Large intestine.

HMIS RATING
HEALTH: 2*
FLAMMABILITY: 0
REACTIVITY: 0

NFPA RATING
HEALTH: 2
FLAMMABILITY: 0
REACTIVITY: 0

*additional chronic hazards present.

For additional information on toxicity, please refer to Section 11.

Section 4 - First Aid Measures

ORAL EXPOSURE
If swallowed, wash out mouth with water provided person is conscious. Call a physician.

INHALATION EXPOSURE
If inhaled, remove to fresh air. If not breathing give artificial respiration. If breathing is difficult, give oxygen.

DERMAL EXPOSURE
In case of contact, immediately wash skin with soap and copious amounts of water.

EYE EXPOSURE
In case of contact, immediately flush eyes with copious amounts of water for at least 15 minutes.

Section 5 - Fire Fighting Measures

FLASH POINT
N/A

AUTOIGNITION TEMP
N/A

FLAMMABILITY
N/A

EXTINGUISHING MEDIA
Suitable: Water spray. Carbon dioxide, dry chemical powder, or appropriate foam.

FIREFIGHTING
Protective Equipment: Wear self-contained breathing apparatus and protective clothing to prevent contact with skin and eyes.
Specific Hazard(s): Emits toxic fumes under fire conditions.
Section 6 - Accidental Release Measures

PROCEDURE(S) OF PERSONAL PRECAUTION(S)
Wear respirator, chemical safety goggles, rubber boots, and heavy rubber gloves.

METHODS FOR CLEANING UP
Sweep up, place in a bag and hold for waste disposal. Avoid raising dust. Ventilate area and wash spill site after material pickup is complete.

Section 7 - Handling and Storage

HANDLING
User Exposure: Do not breathe dust. Avoid contact with eyes, skin, and clothing. Avoid prolonged or repeated exposure.

STORAGE
Suitable: Keep tightly closed.

Section 8 - Exposure Controls / PPE

ENGINEERING CONTROLS
Safety shower and eye bath. Mechanical exhaust required.

PERSONAL PROTECTIVE EQUIPMENT
Respiratory: Use respirators and components tested and approved under appropriate government standards such as NIOSH (US) or CEN (EU). Where risk assessment shows air-purifying respirators are appropriate use a dust mask type N95 (US) or type P1 (EN 143) respirator.
Hand: Compatible chemical-resistant gloves.
Eye: Chemical safety goggles.

GENERAL HYGIENE MEASURES
Wash thoroughly after handling.

Section 9 - Physical/Chemical Properties

<table>
<thead>
<tr>
<th>Property</th>
<th>Value</th>
<th>At Temperature or Pressure</th>
</tr>
</thead>
<tbody>
<tr>
<td>Molecular Weight</td>
<td>444.55 AMU</td>
<td></td>
</tr>
<tr>
<td>pH</td>
<td>N/A</td>
<td></td>
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<tr>
<td>BP/BP Range</td>
<td>N/A</td>
<td></td>
</tr>
<tr>
<td>MP/MP Range</td>
<td>173.0 - 179.0 °C</td>
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</tr>
<tr>
<td>Freezing Point</td>
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<td></td>
</tr>
<tr>
<td>Vapor Pressure</td>
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<td></td>
</tr>
<tr>
<td>Vapor Density</td>
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<td></td>
</tr>
<tr>
<td>Saturated Vapor Conc.</td>
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<tr>
<td>Bulk Density</td>
<td>N/A</td>
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<tr>
<td>Odor Threshold</td>
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</tr>
<tr>
<td>Volatile%</td>
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</tr>
<tr>
<td>VOC Content</td>
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<td></td>
</tr>
<tr>
<td>Water Content</td>
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</tr>
<tr>
<td>Solvent Content</td>
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</tr>
<tr>
<td>Evaporation Rate</td>
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<td></td>
</tr>
<tr>
<td>Viscosity</td>
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<td></td>
</tr>
<tr>
<td>Surface Tension</td>
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<td></td>
</tr>
<tr>
<td>Partition Coefficient</td>
<td>N/A</td>
<td></td>
</tr>
</tbody>
</table>
N/A = not available

Section 10 - Stability and Reactivity

STABILITY
 Stable: Stable.
 Materials to Avoid: Strong oxidizing agents.

HAZARDOUS DECOMPOSITION PRODUCTS
 Hazardous Decomposition Products: Carbon monoxide, Carbon dioxide, Sulfur oxides.

HAZARDOUS POLYMERIZATION
 Hazardous Polymerization: Will not occur

Section 11 - Toxicological Information

ROUTE OF EXPOSURE
 Skin Contact: Causes skin irritation.
 Skin Absorption: May be harmful if absorbed through the skin.
 Eye Contact: Causes severe eye irritation.
 Inhalation: Material may be irritating to mucous membranes and upper respiratory tract. May be harmful if inhaled.
 Ingestion: Harmful if swallowed.

TARGET ORGAN(S) OR SYSTEM(S)
 Large intestine. Small intestine.

SIGNS AND SYMPTOMS OF EXPOSURE
 To the best of our knowledge, the chemical, physical, and toxicological properties have not been thoroughly investigated.

TOXICITY DATA

Oral
 Rat
 1900 mg/kg
 LD50

Intraperitoneal
 Rat
 590 MG/KG
 LD50

Oral
 Mouse
 2643 mg/kg
 LD50

Intravenous
Mouse
60 MG/KG
LD50

IRRITATION DATA
Dog Rat
Remarks: No irritation effect

Skin
Rabbit
10 mg
24H
Remarks: Moderate irritation effect

Eyes
Rabbit
0.25 mg
Remarks: Mild irritation effect

Eyes
Rabbit
1 %
Remarks: Severe irritation effect

CHRONIC EXPOSURE - REPRODUCTIVE HAZARD
Species: Rat
Dose: 8820 MG/KG
Route of Application: Oral
Exposure Time: (MULTIGENERATION)
Result: Effects on Newborn: Other postnatal measures or effects.

Section 12 - Ecological Information
N/A

ACUTE ECOTOXICITY TESTS
Test Type: LC50 Fish
Species: Onchorhynchus mykiss (Rainbow trout)
Time: 96 h
Value: 28 mg/l

Section 13 - Disposal Considerations
APPROPRIATE METHOD OF DISPOSAL OF SUBSTANCE OR PREPARATION
Contact a licensed professional waste disposal service to dispose of this material. Dissolve or mix the material with a combustible solvent and burn in a chemical incinerator equipped with an afterburner and scrubber. Observe all federal, state, and local environmental regulations.

Section 14 - Transport Information
DOT
Proper Shipping Name: None
Non-Hazardous for Transport: This substance is considered to be non-hazardous for transport.

IATA
Non-Hazardous for Air Transport: Non-hazardous for air transport.
EU ADDITIONAL CLASSIFICATION
Symbol of Danger: Xn
Indication of Danger: Harmful.
R: 22-38-41
Risk Statements: Harmful if swallowed. Irritating to skin. Risk of serious damage to eyes.
S: 26-39
Safety Statements: In case of contact with eyes, rinse immediately with plenty of water and seek medical advice. Wear eye/face protection.

US CLASSIFICATION AND LABEL TEXT
Indication of Danger: Harmful.
Risk Statements: Harmful if swallowed. Irritating to skin. Risk of serious damage to eyes.
Safety Statements: In case of contact with eyes, rinse immediately with plenty of water and seek medical advice. Wear eye/face protection.
US Statements: Target organ(s): Small intestine. Large intestine.

UNITED STATES REGULATORY INFORMATION
SARA LISTED: No
TSCA INVENTORY ITEM: Yes

CANADA REGULATORY INFORMATION
WHMIS Classification: This product has been classified in accordance with the hazard criteria of the CPR, and the MSDS contains all the information required by the CPR.
DSL: Yes
NDSL: No

DISCLAIMER
For R&D use only. Not for drug, household or other uses.

WARRANTY
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