Material Safety Data Sheet

Section 1 - Product and Company Information

Product Name: Dulbecco's Modified Eagle's Medium
Product Number: D6030
Brand: Sigma Chemical
Company: Sigma-Aldrich
Address: 3050 Spruce Street
City, State, Zip, Country: SAINT LOUIS, MO 63103 US
Technical Phone: 800-325-5532
Fax: 800-325-5552
Emergency Phone: 314-776-6555

Section 2 - Composition/Information on Ingredient

<table>
<thead>
<tr>
<th>Substance Name</th>
<th>CAS #</th>
<th>SARA 313</th>
<th>EC no</th>
<th>Annex I Index Number</th>
</tr>
</thead>
<tbody>
<tr>
<td>DULBECCO'S MODIFIED EAGLE'S MEDIUM</td>
<td>None</td>
<td>No</td>
<td></td>
<td></td>
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</tbody>
</table>

<table>
<thead>
<tr>
<th>Ingredient Name</th>
<th>CAS #</th>
<th>Percent</th>
<th>SARA 313</th>
</tr>
</thead>
<tbody>
<tr>
<td>HAZARDOUS COMPONENTS:</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>POTASSIUM CHLORIDE</td>
<td>7447-40-7</td>
<td>2.00%</td>
<td></td>
</tr>
<tr>
<td>SODIUM CHLORIDE</td>
<td>7447-14-5</td>
<td>45.00%</td>
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</tr>
</tbody>
</table>

Formula
Synonym

Section 3 - Hazards Identification

Emergency Overview
In case of contact, immediately flush skin with soap and copious amounts of water.
In case of contact, immediately flush eyes with copious amounts of water for at least 15 minutes.

Section 5 - Fire Fighting Measures

Autoignition: N/A
Extinguishing Media
- Water spray
- Fire resistant blanket
- 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 Protective Equipment
- 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
- Suitability: Keep tightly closed. Store at 2-8°C

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 P2 (EN 143) respirator.

- Hand
- Compressed chemical-resistant gloves.

- Eye
- Chemical safety goggles.

Sigma Chemical - D6030
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Sigma-Aldrich Corporation
www.sigma-aldrich.com
Section 9 - Physical/Chemical Properties

Appearance
  Physical State
     Solid

pH          N/A
BP/BP Range  N/A
MP/MP Range  N/A
Freezing Point  N/A
Vapor Pressure N/A
Vapor Density  N/A
Saturated Vapor Conc. N/A
SG/Density    N/A
Bulk Density  N/A
Odor Threshold N/A
Volatility    N/A
VOC Content   N/A
Water Content N/A
Solvent Content N/A
Evaporation Rate N/A
Viscosity     N/A
Partition Coefficient N/A
Decomposition Temp. N/A
Flash Point °F N/A
Flash Point °C  N/A

Explosion Limits N/A
Flammability   N/A
Autoignition Temp N/A
Solubility     N/A

N/A = not available

Section 10 - Stability and Reactivity

Stability
  Stable
  Stable

Materials to Avoid
  Strong oxidizing agents

Hazardous Decomposition Products
  Hazardous Decomposition Products
  Nature of decomposition products not known

Section 11 - Toxicological Information

Hazardous Polymerization
  Hazardous Polymerization
  Will not occur.

Route of Exposure
  Skin Contact
    Causes skin irritation.
  Skin Absorption
    May be harmful if absorbed through the skin.
  Eye Contact
    Causes eye irritation.
  Inhalation
    Material is irritating to mucous membranes and upper respiratory tract. May be harmful if inhaled.
  Ingestion
    May be harmful if swallowed.

Signs and Symptoms of Exposure
  To the best of our knowledge, the chemical, physical, and toxicological properties have not been thoroughly investigated.

RTECS Number: N/A

Section 12 - Ecological Information

No data available.

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 nonhazardous for transport.

IATA
  Non-Hazardous for Air Transport: Non-hazardous for air transport.

Section 15 - Regulatory Information

EU Additional Classification
  Symbol of Danger: Xi
  Indication of Danger
  Irritant.
  Risk Statements
    R: 36/0/38
    Initiating to eyes, respiratory system and skin.
  Safety Statements
    S: 26 36
    In case of contact with eyes, rinse immediately with plenty of water and seek medical advice. Wear suitable protective clothing.

US Classification and Label Text
  Indication of Danger
  Irritant.
  Risk Statements
    Initiating to eyes, respiratory system and skin.
Safety Statements
In case of contact with eyes, rinse immediately with plenty of water and seek medical advice.

Suitable protective clothing.

United States Regulatory Information
SARA Listed: No

Canada Regulatory Information
WHMIS Classification
This product has been classified in accordance with the hazard criteria of the OPR, and the MSDS contains all the information required by the OPR.
DSL: No
NDSL: No

Section 16 - Other Information

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

Warranty
The above information is believed to be correct but does not purport to be all inclusive and shall be used only as a guide. The information in this document is based on the present state of our knowledge and is applicable to the product with regard to proper safety precautions. It does not represent any guarantee of the properties of the product. Sigma-Aldrich Inc. shall not be held liable for any damage resulting from handling or from contact with the above product. See reverse side or invoice or packing slip for additional terms and conditions of sale. Copyright 2009 Sigma-Aldrich Co. License granted to make unlimited paper copies for internal use only.