SAFETY DATA SHEET

1. Identification

Material name: EUCON 727
Material: 724 1000

Recommended use and restriction on use

Recommended use: Additive
Restrictions on use: Not known.

Manufacturer/Importer/Supplier/Distributor Information
Euclid Admixture Canada Inc.
2835 Grand-Allee
Saint Hubert QC J4T 2R4
CA

Contact person: EH&S Department
Telephone: (450)465-2233
Emergency telephone number: 1-800-424-9300 (US); 1-613-996-6666 (Canada)

2. Hazard(s) identification

Hazard Classification

Health Hazards
Skin sensitizer Category 1

Unknown toxicity - Health
Acute toxicity, oral 86.96 %
Acute toxicity, dermal 99.9 %
Acute toxicity, inhalation, vapor 100 %
Acute toxicity, inhalation, dust or mist 100 %

Label Elements

Hazard Symbol:

Signal Word: Warning
Hazard Statement: May cause an allergic skin reaction.
Precautionary Statements

Prevention: Avoid breathing dust/fume/gas/mist/vapors/spray. Contaminated work clothing should not be allowed out of the workplace. Wear protective gloves/protective clothing/eye protection/face protection.

Response: IF ON SKIN: Wash with plenty of water/... If skin irritation or rash occurs: Get medical advice/attention. Specific treatment (see this label). Wash contaminated clothing before reuse.

Disposal: Dispose of contents/container to an appropriate treatment and disposal facility in accordance with applicable laws and regulations, and product characteristics at time of disposal.

Hazard(s) not otherwise classified (HNOC): None.

3. Composition/information on ingredients

Mixtures

<table>
<thead>
<tr>
<th>Chemical Identity</th>
<th>CAS number</th>
<th>Content in percent (%)*</th>
</tr>
</thead>
<tbody>
<tr>
<td>Sucreose</td>
<td>57-50-1</td>
<td>10 - &lt;20%</td>
</tr>
<tr>
<td>4-Chloro-3-methylphenol (PCMC)</td>
<td>59-50-7</td>
<td>0.1 - &lt;1%</td>
</tr>
</tbody>
</table>

* All concentrations are percent by weight unless ingredient is a gas. Gas concentrations are in percent by volume.

4. First-aid measures

Ingestion: Rinse mouth thoroughly.

Inhalation: Move to fresh air.

Skin Contact: Destroy or thoroughly clean contaminated shoes. Immediately remove contaminated clothing and shoes and wash skin with soap and plenty of water. If skin irritation or an allergic skin reaction develops, get medical attention.

Eye contact: Rinse immediately with plenty of water.

Most important symptoms/effects, acute and delayed

Symptoms: May cause skin and eye irritation.

Indication of immediate medical attention and special treatment needed

Treatment: Get medical attention if symptoms occur.

5. Fire-fighting measures

General Fire Hazards: No unusual fire or explosion hazards noted.
Suitable (and unsuitable) extinguishing media

**Suitable extinguishing media:**
Use fire-extinguishing media appropriate for surrounding materials.

**Unsuitable extinguishing media:**
Do not use water jet as an extinguisher, as this will spread the fire.

**Specific hazards arising from the chemical:**
During fire, gases hazardous to health may be formed.

**Special protective equipment and precautions for firefighters**

**Special fire fighting procedures:**
No data available.

**Special protective equipment for fire-fighters:**
Self-contained breathing apparatus and full protective clothing must be worn in case of fire.

6. Accidental release measures

**Personal precautions, protective equipment and emergency procedures:**
See Section 8 of the SDS for Personal Protective Equipment. Do not touch damaged containers or spilled material unless wearing appropriate protective clothing. Keep unauthorized personnel away.

**Methods and material for containment and cleaning up:**
Dam and absorb spillages with sand, earth or other non-combustible material. Collect spillage in containers, seal securely and deliver for disposal according to local regulations.

**Notification Procedures:**
In the event of a spill or accidental release, notify relevant authorities in accordance with all applicable regulations.

**Environmental Precautions:**
Avoid release to the environment. Prevent further leakage or spillage if safe to do so. Do not contaminate water sources or sewer. Environmental manager must be informed of all major spillages.

7. Handling and storage

**Precautions for safe handling:**
Avoid contact with eyes, skin, and clothing. Wash hands thoroughly after handling. Provide adequate ventilation. Wear appropriate personal protective equipment. Observe good industrial hygiene practices.

**Conditions for safe storage, including any incompatibilities:**
Store away from incompatible materials. Store in original tightly closed container.

8. Exposure controls/personal protection

**Control Parameters**
**Occupational Exposure Limits**
### Chemical Identity

<table>
<thead>
<tr>
<th>Chemical Identity</th>
<th>Type</th>
<th>Exposure Limit Values</th>
<th>Source</th>
</tr>
</thead>
<tbody>
<tr>
<td>Sucrose</td>
<td>TWA</td>
<td>10 mg/m³</td>
<td>US. ACGIH Threshold Limit Values (2011)</td>
</tr>
<tr>
<td>Sucrose - Total dust.</td>
<td>PEL</td>
<td>15 mg/m³</td>
<td>US. OSHA Table Z-1 Limits for Air Contaminants (29 CFR 1910.1000) (02 2006)</td>
</tr>
<tr>
<td>Sucrose - Respirable</td>
<td>PEL</td>
<td>5 mg/m³</td>
<td>US. OSHA Table Z-1 Limits for Air Contaminants (29 CFR 1910.1000) (02 2006)</td>
</tr>
<tr>
<td>fraction.</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Sucrose - Total dust.</td>
<td>TWA</td>
<td>10 mg/m³</td>
<td>Canada. British Columbia OELs. (Occupational Exposure Limits for Chemical Substances, Occupational Health and Safety Regulation 296/97, as amended) (07 2007)</td>
</tr>
<tr>
<td>Sucrose - Respirable</td>
<td>TWA</td>
<td>3 mg/m³</td>
<td>Canada. British Columbia OELs. (Occupational Exposure Limits for Chemical Substances, Occupational Health and Safety Regulation 296/97, as amended) (07 2007)</td>
</tr>
<tr>
<td>fraction.</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Sucrose</td>
<td>TWA</td>
<td>10 mg/m³</td>
<td>Canada. Ontario OELs. (Control of Exposure to Biological or Chemical Agents) (11 2010)</td>
</tr>
<tr>
<td>Sucrose</td>
<td>TWA</td>
<td>10 mg/m³</td>
<td>Canada. Quebec OELs. (Ministry of Labor - Regulation Respecting the Quality of the Work Environment) (12 2008)</td>
</tr>
</tbody>
</table>

### Appropriate Engineering Controls

- Observe good industrial hygiene practices. Observe occupational exposure limits and minimize the risk of inhalation of vapors and mist. Mechanical ventilation or local exhaust ventilation may be required.

### Individual protection measures, such as personal protective equipment

#### General information:

Use personal protective equipment as required.

#### Eye/face protection:

Wear goggles/face shield.

#### Skin Protection

- Hand Protection: Use suitable protective gloves if risk of skin contact.

#### Other:

Wear chemical-resistant gloves, footwear, and protective clothing appropriate for the risk of exposure. Contact health and safety professional or manufacturer for specific information.

#### Respiratory Protection:

In case of inadequate ventilation use suitable respirator. Seek advice from local supervisor.

#### Hygiene measures:

Contaminated work clothing should not be allowed out of the workplace. Avoid contact with skin. Observe good industrial hygiene practices.

### 9. Physical and chemical properties

#### Appearance

- Physical state: liquid
- Form: liquid
- Color: Light brown
- Odor: Mild
- Odor threshold: No data available.
### 10. Stability and reactivity

**Reactivity:**
No data available.

**Chemical Stability:**
Material is stable under normal conditions.

**Possibility of hazardous reactions:**
No data available.

**Conditions to avoid:**
Avoid heat or contamination.

**Incompatible Materials:**
Strong acids. Strong bases.

**Hazardous Decomposition Products:**
Thermal decomposition or combustion may liberate carbon oxides and other toxic gases or vapors.

### 11. Toxicological information

**Information on likely routes of exposure**

**Inhalation:**
In high concentrations, vapors, fumes or mists may irritate nose, throat and mucus membranes.

**Skin Contact:**
May cause an allergic skin reaction.

**Eye contact:**
Eye contact is possible and should be avoided.
Ingestion: May be ingested by accident. Ingestion may cause irritation and malaise.

Symptoms related to the physical, chemical and toxicological characteristics

Inhalation: No data available.

Skin Contact: No data available.

Eye contact: No data available.

Ingestion: No data available.

Information on toxicological effects

Acute toxicity (list all possible routes of exposure)

Oral

Product: Not classified for acute toxicity based on available data.

Specified substance(s):

Sucrose    LD 50 (Rat): 29,700 mg/kg

4-Chloro-3-methylphenol (PCMC)    LD 50 (Rat): 1,830 mg/kg

Dermal

Product: Not classified for acute toxicity based on available data.

Specified substance(s):

4-Chloro-3-methylphenol (PCMC)    LD 50 (Rat): > 5,000 mg/kg

Inhalation

Product:

Specified substance(s):

4-Chloro-3-methylphenol (PCMC)    LC 50 (Rat): 36.81737 mg/l

Repeated dose toxicity

Product: No data available.

Skin Corrosion/Irritation

Product: No data available.

Specified substance(s):
4-Chloro-3-methylphenol (PCMC)

**Serious Eye Damage/Eye Irritation**

Product: No data available.

**Respiratory or Skin Sensitization**

Product: No data available.

**Carcinogenicity**

Product: No data available.

IARC Monographs on the Evaluation of Carcinogenic Risks to Humans:
No carcinogenic components identified

US. National Toxicology Program (NTP) Report on Carcinogens:
No carcinogenic components identified

No carcinogenic components identified

**Germ Cell Mutagenicity**

*In vitro*

Product: No data available.

*In vivo*

Product: No data available.

**Reproductive toxicity**

Product: No data available.

**Specific Target Organ Toxicity - Single Exposure**

Product: No data available.

**Specific Target Organ Toxicity - Repeated Exposure**

Product: No data available.

**Aspiration Hazard**

Product: No data available.

**Other effects:**

No data available.
12. Ecological information

Ecotoxicity:

Acute hazards to the aquatic environment:

**Fish**

- Product: No data available.

- Specified substance(s): 4-Chloro-3-methylphenol (PCMC)
  - LC 50 (Fathead minnow (Pimephales promelas), 96 h): 4.05 mg/l Mortality

**Aquatic Invertebrates**

- Product: No data available.

- Specified substance(s): 4-Chloro-3-methylphenol (PCMC)
  - EC 50 (Water flea (Daphnia magna), 48 h): 1.13 - 1.94 mg/l Intoxication

Chronic hazards to the aquatic environment:

**Fish**

- Product: No data available.

**Aquatic Invertebrates**

- Product: No data available.

**Toxicity to Aquatic Plants**

- Product: No data available.

- Specified substance(s): 4-Chloro-3-methylphenol (PCMC)
  - LC 50 (Duckweed (Lemna minor), 72 h): 96 mg/l Mortality

Persistence and Degradability

**Biodegradation**

- Product: No data available.

**BOD/COD Ratio**

- Product: No data available.

**Bioaccumulative potential**

**Bioconcentration Factor (BCF)**

- Product: No data available.

**Partition Coefficient n-octanol / water (log Kow)**

- Product: No data available.
Specified substance(s):
Sucrose Log Kow: -3.70
4-Chloro-3-methylphenol (PCMC) Log Kow: 3.10

Mobility in soil: No data available.
Other adverse effects: No data available.

13. Disposal considerations

Disposal instructions: Dispose of waste at an appropriate treatment and disposal facility in accordance with applicable laws and regulations, and product characteristics at time of disposal.

Contaminated Packaging: No data available.

14. Transport information

TDG:
Not Regulated

CFR / DOT:
Not Regulated

IMDG:
Not Regulated

15. Regulatory information

US Federal Regulations
TSCA Section 12(b) Export Notification (40 CFR 707, Subpt. D)
None present or none present in regulated quantities.

US. OSHA Specifically Regulated Substances (29 CFR 1910.1001-1050)
None present or none present in regulated quantities.

CERCLA Hazardous Substance List (40 CFR 302.4):

<table>
<thead>
<tr>
<th>Chemical Identity</th>
<th>Reportable quantity</th>
</tr>
</thead>
<tbody>
<tr>
<td>4-Chloro-3-methylphenol (PCMC)</td>
<td>5000 lbs.</td>
</tr>
<tr>
<td>Sodium hydroxide</td>
<td>1000 lbs.</td>
</tr>
</tbody>
</table>
Superfund Amendments and Reauthorization Act of 1986 (SARA)

Hazard categories
Immediate (Acute) Health Hazards

SARA 302 Extremely Hazardous Substance
None present or none present in regulated quantities.

SARA 304 Emergency Release Notification

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<td>1000 lbs.</td>
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SARA 311/312 Hazardous Chemical

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<th>Chemical Identity</th>
<th>Threshold Planning Quantity</th>
</tr>
</thead>
<tbody>
<tr>
<td>Sucrose</td>
<td>10000 lbs</td>
</tr>
<tr>
<td>4-Chloro-3-methylphenol</td>
<td>10000 lbs</td>
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</tbody>
</table>

SARA 313 (TRI Reporting)
None present or none present in regulated quantities.

Clean Air Act (CAA) Section 112(r) Accidental Release Prevention (40 CFR 68.130)
None present or none present in regulated quantities.

Clean Water Act Section 311 Hazardous Substances (40 CFR 117.3)
None present or none present in regulated quantities.

US State Regulations

US. California Proposition 65
No ingredient regulated by CA Prop 65 present.

US. New Jersey Worker and Community Right-to-Know Act
No ingredient regulated by NJ Right-to-Know Law present.

US. Massachusetts RTK - Substance List

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US. Pennsylvania RTK - Hazardous Substances

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</table>

US. Rhode Island RTK

<table>
<thead>
<tr>
<th>Chemical Identity</th>
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<tbody>
<tr>
<td>Sucrose</td>
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</table>

International regulations

Montreal protocol
not applicable
Stockholm convention
not applicable

Rotterdam convention
not applicable

Kyoto protocol
not applicable

VOC:
Regulatory VOC (less water and exempt solvent) : 0 g/l
VOC Method 310 : 0.00 %
Inventory Status:
Australia AICS: All components in this product are listed on or exempt from the Inventory.

Canada DSL Inventory List: All components in this product are listed on or exempt from the Inventory.

EINECS, ELINCS or NLP: All components in this product are listed on or exempt from the Inventory.

Japan (ENCS) List: One or more components in this product are not listed on or exempt from the Inventory.

China Inv. Existing Chemical Substances: All components in this product are listed on or exempt from the Inventory.

Korea Existing Chemicals Inv. (KECI): All components in this product are listed on or exempt from the Inventory.

Canada NDSL Inventory: One or more components in this product are not listed on or exempt from the Inventory.

Philippines PICCS: All components in this product are listed on or exempt from the Inventory.

US TSCA Inventory: All components in this product are listed on or exempt from the Inventory.

New Zealand Inventory of Chemicals: All components in this product are listed on or exempt from the Inventory.

Japan ISHL Listing: One or more components in this product are not listed on or exempt from the Inventory.

Japan Pharmacopoeia Listing: One or more components in this product are not listed on or exempt from the Inventory.

16. Other information, including date of preparation or last revision

Revision Date: 06/07/2017
Version #: 3.0
Further Information: No data available.
Disclaimer:  For Industrial Use Only. Keep out of Reach of Children. The hazard information herein is offered solely for the consideration of the user, subject to their own investigation of compliance with applicable regulations, including the safe use of the product under every foreseeable condition.