Section 1: IDENTIFICATION OF THE SUBSTANCE/MIXTURE AND OF THE COMPANY/UNDERTAKING

1.1. Product Identifier

SDS # BE:5140-EU
Product Code 5140
Product Name Buckeye Cirene

1.2. Relevant identified uses of the substance or mixture and uses advised against

Recommended Use Floor sealer Water based

1.3. Details of the Supplier of the Safety Data Sheet

Importer REACH Only Representative Supplier
UK Contact TSGE TSGE@TSGEurope.com Buckeye International, Inc.
Lewis Kirby, EU General Manager 2700 Wagner Place
25 Frances Brady Way Maryland Heights, MO 63043 USA
Kingston Upon Hull
HU9 3BW UK

For further information, please contact

Contact Point Lewis Kirby, EU General Manager: +4407792782066
Buckeye International, Inc.: 1-314-291-1900
Email Address info@buckeyeinternational.com

1.4. Emergency telephone number

Emergency Telephone (24 hr) Transportation - INFOTRAC 1-352-323-3500 (International)
Medical - (International) 1-651-632-8956 (North America) 1-800-303-0441
1-800-535-5053 (North America) 1-314-291-1900

Section 2: HAZARDS IDENTIFICATION

2.1. Classification of the Substance or Mixture
Regulation (EC) No 1272/2008

2.2. Label Elements

Product Identifier
This mixture is classified as not hazardous according to regulation (EC) 1272/2008 [GHS]

Signal Word
None

EUH210 - Safety data sheet available on request

2.3. Other Hazards
No information available
Section 3: COMPOSITION/INFORMATION ON INGREDIENTS

3.2 MIXTURES

<table>
<thead>
<tr>
<th>Chemical name</th>
<th>EC No</th>
<th>CAS No</th>
<th>Weight-%</th>
<th>Classification according to Regulation (EC) No. 1272/2008 [CLP]</th>
<th>REACH Registration Number</th>
</tr>
</thead>
<tbody>
<tr>
<td>Di(ethylene glycol) ethyl ether</td>
<td>Present</td>
<td>111-90-0</td>
<td>3.1</td>
<td>Not determined</td>
<td>Not determined</td>
</tr>
</tbody>
</table>

Full text of H- and EUH-phrases: see section 16

**Additional Information**

Substances without a classification are included, because they have established occupational exposure limits.

This product does not contain candidate substances of very high concern at a concentration >=0.1% (Regulation (EC) No. 1907/2006 (REACH), Article 59)

Section 4: FIRST AID MEASURES

4.1. Description of First Aid Measures

**Eye Contact**

Rinse immediately with plenty of water, also under the eyelids, for at least 15 minutes. Call a doctor if irritation persists.

**Skin Contact**

Wash off immediately with plenty of water for at least 15 minutes. If skin irritation persists, call a doctor.

**Inhalation**

Remove to fresh air.

**Ingestion**

Drink 2-3 large glasses of water. Do NOT induce vomiting. Call a doctor. Never give anything by mouth to an unconscious person.

4.2. Most Important Symptoms and Effects, Both Acute and Delayed

**Symptoms**

May be irritating to skin and eyes.

4.3. Indication of any Immediate Medical Attention and Special Treatment Needed

**Notes to Physician**

Treat symptomatically.

Section 5: FIREFIGHTING MEASURES

5.1. Extinguishing Media

**Suitable Extinguishing Media**

Use extinguishing measures that are appropriate to local circumstances and the surrounding environment.

**Unsuitable Extinguishing Media**

Not determined.

5.2. Special Hazards Arising from the Substance or Mixture

Combustion products may be toxic.

**Hazardous combustion products**


5.3. Advice for Firefighters

Wear self-contained breathing apparatus and protective suit. Use personal protective equipment as required.
Section 6: ACCIDENTAL RELEASE MEASURES

6.1. Personal Precautions, Protective Equipment and Emergency Procedures

**Personal Precautions**
Use personal protective equipment as required.

**For Emergency Responders**
Use personal protection recommended in Section 8.

6.2. Environmental Precautions
Prevent from entering into soil, ditches, sewers, waterways and/or groundwater. See Section 12, Ecological Information.

6.3. Methods and Material for Containment and Cleaning Up

**Methods for Containment**
Prevent further leakage or spillage if safe to do so.

**Methods for Clean-Up**
Pick up with mop, wet/dry vac, or absorbent material. Wash spill area with a mild detergent. Rinse affected area with water and allow area to dry before allowing traffic.

6.4. Reference to Other Sections
See Section 13: DISPOSAL CONSIDERATIONS.

Section 7: HANDLING AND STORAGE

7.1. Precautions for Safe Handling

**Advice on Safe Handling**
Keep out of the reach of children. Use personal protection recommended in Section 8. Avoid contact with skin, eyes or clothing. Keep containers closed when not in use.

**General Hygiene Considerations**
Handle in accordance with good industrial hygiene and safety practice. Wash hands thoroughly after handling.

7.2. Conditions for Safe Storage, Including any Incompatibilities

**Storage Conditions**
Keep containers tightly closed in a dry, cool and well-ventilated place. Keep container closed when not in use. Keep from freezing. Store at room temperature. Do not store above 110°F.

7.3. Specific End Use(s)

**Specific Use(s)**
Floor Sealer, Water Based.

**Risk Management Methods (RMM)**
The information required is contained in this Safety Data Sheet.

Section 8: EXPOSURE CONTROLS/PERSONAL PROTECTION

8.1. Control Parameters

**Exposure Limits**
This product, as supplied, does not contain any hazardous materials with occupational exposure limits established by the region specific regulatory bodies

8.2. Exposure Controls

**Engineering Controls**
Apply technical measures to comply with the occupational exposure limits.
Section 9: PHYSICAL AND CHEMICAL PROPERTIES

9.1. Information on Basic Physical and Chemical Properties

<table>
<thead>
<tr>
<th>Property</th>
<th>Values</th>
<th>Remarks</th>
<th>Method</th>
</tr>
</thead>
<tbody>
<tr>
<td>Physical state</td>
<td>Liquid</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Appearance</td>
<td>Cream white opaque solution</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Odour</td>
<td>Mild scent No fragrance added</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Odour Threshold</td>
<td>Not determined</td>
<td></td>
<td></td>
</tr>
<tr>
<td>pH</td>
<td>9.1 - 9.5 (conc and use dilution)</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Melting point / freezing point</td>
<td>0 °C / 32 °F</td>
<td></td>
<td>Tag Closed Cup</td>
</tr>
<tr>
<td>Boiling point / boiling range</td>
<td>100 °C / 212 °F</td>
<td></td>
<td>(n-BuAc =1)</td>
</tr>
<tr>
<td>Flash point</td>
<td>None</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Evaporation Rate</td>
<td>1.0</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Flammability (Solid, Gas)</td>
<td>n/a-liquid</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Flammability Limit in Air</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Upper flammability or explosive limits</td>
<td>Not applicable</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Lower flammability or explosive limits</td>
<td>Not applicable</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Vapour Pressure</td>
<td>Not determined</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Vapour Density</td>
<td>Not determined</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Relative Density</td>
<td>1.02</td>
<td></td>
<td>@ 60°F (ASTM D 1298)</td>
</tr>
<tr>
<td>Water Solubility</td>
<td>Miscible in water</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Solubility(ies)</td>
<td>Not determined</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Partition Coefficient</td>
<td>Not determined</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Autoignition temperature</td>
<td>Not determined</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Decomposition temperature</td>
<td>Not determined</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Kinematic viscosity</td>
<td>Not determined</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Dynamic Viscosity</td>
<td>Not determined</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Explosive Properties</td>
<td>Not determined</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Oxidising Properties</td>
<td>Not determined</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

Section 10: STABILITY AND REACTIVITY

10.1. Reactivity
Not reactive under normal conditions.

10.2. Chemical stability
Stable under recommended storage conditions.

10.3. Possibility of Hazardous Reactions

Hazardous Polymerisation
Hazardous polymerisation does not occur.

Possibility of Hazardous Reactions
None under normal processing.

10.4. Conditions to Avoid
Keep separated from incompatible substances. Keep out of reach of children.
10.5. Incompatible Materials
Acids. Strong alkalies. Heavy metal salts.

10.6. Hazardous Decomposition Products

---

**Section 11: TOXICOLOGICAL INFORMATION**

11.1. Information on Toxicological Effects

**Acute toxicity**

**Product Information**
Product does not present an acute toxicity hazard based on known or supplied information.

**Inhalation**
Avoid breathing vapours or mists.

**Eye Contact**
Avoid contact with eyes.

**Skin Contact**
Avoid contact with skin.

**Ingestion**
Do not ingest.

The following values are calculated based on chapter 3.1 of the GHS document

- **ATEmix (oral)**
  - > 50,002.30 mg/kg
- **ATEmix (dermal)**
  - > 69,126.23 mg/kg
- **ATEmix (inhalation-dust/mist)**
  - > 101.52 mg/L

**Unknown Acute Toxicity**
- 40% of the mixture consists of ingredient(s) of unknown toxicity.
- 40% of the mixture consists of ingredient(s) of unknown acute oral toxicity.
- 40% of the mixture consists of ingredient(s) of unknown acute dermal toxicity.
- 40% of the mixture consists of ingredient(s) of unknown acute inhalation toxicity (gas).
- 40% of the mixture consists of ingredient(s) of unknown acute inhalation toxicity (vapour).
- 40% of the mixture consists of ingredient(s) of unknown acute inhalation toxicity (dust/mist).

**Component Information**

<table>
<thead>
<tr>
<th>Chemical name</th>
<th>Oral LD50</th>
<th>Dermal LD50</th>
<th>Inhalation LC50</th>
</tr>
</thead>
<tbody>
<tr>
<td>Styrene Maleic Anhydride Copolymer</td>
<td>= 21 g/kg (Rat)</td>
<td></td>
<td></td>
</tr>
<tr>
<td>D(ethylene glycol) ethyl ether</td>
<td>= 10502 mg/kg (Rat)</td>
<td>= 4200 µL/kg (Rabbit) = 9143 mg/kg (Rabbit) = 6 mL/kg (Rat)</td>
<td>&gt; 5240 mg/m³ (Rat) 4 h</td>
</tr>
<tr>
<td>tributoxyethyl phosphate</td>
<td>= 3 g/kg (Rat)</td>
<td>&gt; 16 mL/kg (Rabbit)</td>
<td>&gt; 6.4 mg/L (Rat) 4 h</td>
</tr>
</tbody>
</table>

**Skin corrosion/irritation**
Not classified.

**Serious eye damage/eye irritation**
Not classified.

**Sensitisation**
Not classified.

**Germ cell mutagenicity**
Not classified.

**Carcinogenicity**
Not classified.

**Reproductive toxicity**
Not classified.

**STOT - single exposure**
Not classified.

**STOT - repeated exposure**
Not classified.

**Aspiration hazard**
Not classified.
Section 12: ECOLOGICAL INFORMATION

12.1. Toxicity

An environmental hazard cannot be excluded in the event of unprofessional handling or disposal.

<table>
<thead>
<tr>
<th>Chemical name</th>
<th>Algae/aquatic plants</th>
<th>Fish</th>
<th>Crustacea</th>
</tr>
</thead>
<tbody>
<tr>
<td>Di(ethylene glycol) ethyl ether</td>
<td>13400: 96 h Salmo gairdneri mg/L LC50 flow-through 10000: 96 h Lepomis macrochirus mg/L LC50 static 19100 - 23900: 96 h Lepomis macrochirus mg/L LC50 flow-through 11400 - 15700: 96 h Oncorhynchus mykiss mg/L LC50 flow-through 11600 - 16700: 96 h Pimephales promelas mg/L LC50 flow-through</td>
<td>3940 - 4670: 48 h Daphnia magna mg/L EC50</td>
<td></td>
</tr>
</tbody>
</table>

12.2. Persistence and Degradability

Not determined.

12.3. Bioaccumulative Potential

<table>
<thead>
<tr>
<th>Chemical name</th>
<th>Partition coefficient</th>
</tr>
</thead>
<tbody>
<tr>
<td>Di(ethylene glycol) ethyl ether</td>
<td>-0.8</td>
</tr>
</tbody>
</table>

12.4. Mobility in Soil

Mobility
Not determined.

12.5. Results of PBT and vPvB Assessment

Not determined.

12.6. Other Adverse Effects

Not determined.

Section 13: DISPOSAL CONSIDERATIONS

13.1. Waste Treatment Methods

Waste from residues/unused products
Disposal should be in accordance with applicable regional, national and local laws and regulations.

Contaminated Packaging
Improper disposal or reuse of this container may be dangerous and illegal.

Section 14: TRANSPORT INFORMATION

IMDG
14.2 Proper Shipping Name
Not regulated

RID
14.2 Proper Shipping Name
Not regulated

ADR
14.2 Proper Shipping Name
Not regulated
Section 15: REGULATORY INFORMATION

15.1. Safety, Health and Environmental Regulations/Legislation Specific for the Substance or Mixture

France

Occupational Illnesses (R-463-3, France)

<table>
<thead>
<tr>
<th>Chemical name</th>
<th>French RG number</th>
<th>Title</th>
</tr>
</thead>
<tbody>
<tr>
<td>Di(ethylene glycol) ethyl ether</td>
<td>111-90-0</td>
<td>RG 84</td>
</tr>
</tbody>
</table>

European Union

Take note of Directive 98/24/EC on the protection of the health and safety of workers from the risks related to chemical agents at work.

Authorisations and/or restrictions on use:

This product does not contain substances subject to authorisation (Regulation (EC) No. 1907/2006 (REACH), Annex XIV) This product does not contain substances subject to restriction (Regulation (EC) No. 1907/2006 (REACH), Annex XVII)

Persistent Organic Pollutants

Not applicable

Ozone-depleting substances (ODS) regulation (EC) 1005/2009

International Inventories

<table>
<thead>
<tr>
<th>Component</th>
<th>TSCA</th>
<th>DSL/NDSL</th>
<th>EINECS/ELINCS</th>
<th>PICCS</th>
<th>ENCS</th>
<th>IECSC</th>
<th>AICS</th>
<th>KECL</th>
</tr>
</thead>
<tbody>
<tr>
<td>Acrylic Emulsion 26316-50-7 (&lt;30)</td>
<td>X</td>
<td>X</td>
<td>-</td>
<td>-</td>
<td>X</td>
<td>X</td>
<td>X</td>
<td>X</td>
</tr>
<tr>
<td>Ethylene Copolymer Emulsion 67892-91-5 (&lt;10)</td>
<td>X</td>
<td>X</td>
<td>-</td>
<td>-</td>
<td>-</td>
<td>-</td>
<td>-</td>
<td>-</td>
</tr>
<tr>
<td>Styrene Maleic Anhydride Copolymer 9011-13-6 (&lt;5)</td>
<td>X</td>
<td>X</td>
<td>-</td>
<td>X</td>
<td>X</td>
<td>X</td>
<td>X</td>
<td>X</td>
</tr>
<tr>
<td>Di(ethylene glycol) ethyl ether 111-90-0 (3.1)</td>
<td>X</td>
<td>X</td>
<td>X</td>
<td>X</td>
<td>X</td>
<td>X</td>
<td>X</td>
<td>X</td>
</tr>
<tr>
<td>tributoxyethyl phosphate 78-51-3 (&lt;2)</td>
<td>X</td>
<td>X</td>
<td>X</td>
<td>X</td>
<td>X</td>
<td>X</td>
<td>X</td>
<td>X</td>
</tr>
</tbody>
</table>

Legend

TSCA - United States Toxic Substances Control Act Section 8(b) Inventory
EINECS/ELINCS - European Inventory of Existing Chemical Substances/European List of Notified Chemical Substances
DSL/NDSL - Canadian Domestic Substances List/Non-Domestic Substances List
PICCS - Philippines Inventory of Chemicals and Chemical Substances
ENCS - Japan Existing and New Chemical Substances
IECSC - China Inventory of Existing Chemical Substances
AICS - Australian Inventory of Chemical Substances
KECL - Korean Existing and Evaluated Chemical Substances

15.2. Chemical Safety Assessment

No Chemical Safety Assessment has been carried out for this substance/mixture by the supplier.
Section 16: OTHER INFORMATION

Safety Data Sheet Status
The Risk Phrases/Hazard Statements listed below in Section 16 are related to the Raw Materials (ingredients) in the Product (as listed in Section 3) and NOT only the product itself. For the Risk Phrases/Hazard Statements relating to this Product see Section 2.

Full text of H-Statements referred to under section 3
Not applicable

Legend
SVHC: Substances of Very High Concern for Authorisation:

Legend
TWA TWA (time-weighted average) STEL STEL (Short Term Exposure Limit)
Ceiling Maximum limit value * Skin designation

Classification Procedure
Calculation method

Issue Date: 27-Dec-2011
Revision Date: 31-Mar-2020
Revision Note: Regulatory update

This material safety data sheet complies with the requirements of Regulation (EC) No. 1907/2006, as amended by Commission Regulation (EU) 2015/830

Disclaimer
The information provided in this Safety Data Sheet is correct to the best of our knowledge, information and belief at the date of its publication. The information given is designed only as a guidance for safe handling, use, processing, storage, transportation, disposal and release and is not to be considered a warranty or quality specification. The information relates only to the specific material designated and may not be valid for such material used in combination with any other materials or in any process, unless specified in the text.

End of Safety Data Sheet