



Issue Date: 27-Dec-2011

Revision Date: 16-Jul-2019

Version 2

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

1.1. Product Identifier

SDS # BE-5115-EU
Product Code 5115
Product Name Buckeye Citation

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

Recommended Use Floor finish Water based

1.3. Details of the Supplier of the Safety Data Sheet

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

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)
1-800-535-5053 (North America)
Medical - (International) 1-651-632-8956 (North America) 1-800-303-0441

Section 2: HAZARDS IDENTIFICATION

2.1. Classification of the Substance or Mixture

Regulation (EC) No 1272/2008

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

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

| Chemical name | EC No | CAS No | Weight-% | Classification according to Regulation (EC) No. 1272/2008 [CLP] | REACH Registration Number |
|---------------------------------|---------|----------|----------|---|---------------------------|
| Di(ethylene glycol) ethyl ether | Present | 111-90-0 | 4.3 | Not determined | Not determined |

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 $\geq 0.1\%$ (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. Take off contaminated clothing. Wash contaminated clothing before reuse. |
| Inhalation | Remove victim to fresh air and keep at rest in a position comfortable for breathing. Call a physician if you feel unwell. |
| 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 Contact will cause irritation and redness to exposed areas.

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 Carbon oxides. Phosphorus oxides. Nitrogen oxides (NO_x).

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

See Section 12 for additional 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. Avoid release to the environment. Use only in well-ventilated areas. Use personal protection recommended in Section 8.

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 Finish, 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

| Chemical name | European Union | United Kingdom | France | Spain | Germany |
|---|--|--|--------|--------|---|
| Di(ethylene glycol) ethyl ether 111-90-0 | - | - | - | - | TWA: 6 ppm TWA: 35 mg/m ³ |
| Chemical name | Austria | Switzerland | Poland | Norway | Ireland |
| Di(ethylene glycol) ethyl ether 111-90-0 | STEL 24 ppm STEL 140 mg/m ³ TWA: 6 ppm TWA: 35 mg/m ³ | STEL: 100 mg/m ³ TWA: 50 mg/m ³ | - | - | - |

8.2. Exposure Controls

Engineering Controls

Apply technical measures to comply with the occupational exposure limits.

Personal Protective Equipment

Eye/Face Protection

Risk of contact: Wear approved safety goggles.

Hand Protection

Rubber gloves.

Skin and Body Protection

Suitable protective clothing.

Respiratory Protection

Ensure adequate ventilation, especially in confined areas.

Section 9: PHYSICAL AND CHEMICAL PROPERTIES

9.1. Information on Basic Physical and Chemical Properties

| | | | |
|---|-----------------------------------|-------------------------|--|
| Physical state | Liquid | | |
| Appearance | White opaque solution | Odour | Sweet polymer scent No fragrance added |
| Colour | White | Odour Threshold | Not determined |
| Property | Values | Remarks • Method | |
| pH | 8.4 ± 0.2 (conc and use dilution) | | |
| Melting point / freezing point | 0 °C / 32 °F | | |
| Boiling point / boiling range | 100 °C / 212 °F | | |
| Flash point | None | Tag Closed Cup | |
| Evaporation Rate | 1.0 | (n-BuAc =1) | |
| Flammability (Solid, Gas) | n/a-liquid | | |
| Flammability Limit in Air | | | |
| Upper flammability or explosive limits | Not applicable | | |
| Lower flammability or explosive limits | Not applicable | | |
| Vapour Pressure | Not determined | | |
| Vapour Density | Not determined | | |
| Relative Density | 1.03 | @ 60°F (ASTM D 1298) | |
| Water Solubility | Miscible in water | | |
| Solubility(ies) | Not determined | | |
| Partition Coefficient | Not determined | | |
| Autoignition temperature | Not determined | | |
| Decomposition temperature | Not determined | | |
| Kinematic viscosity | Not determined | | |
| Dynamic Viscosity | Not determined | | |
| Explosive Properties | Not determined | | |
| Oxidising Properties | Not determined | | |

Section 10: STABILITY AND REACTIVITY

10.1. Reactivity

Not reactive under normal conditions.

10.2. Chemical stability

Stable under normal 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 out of reach of children.

10.5. Incompatible Materials

Acids. Strong alkalis. Heavy metal salts.

10.6. Hazardous Decomposition Products

Carbon oxides. Nitrogen oxides (NOx). Phosphorous oxides.

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 | Not determined. |
| Eye Contact | Not determined. |
| Skin Contact | Not determined. |
| Ingestion | Not determined. |

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

| | |
|--------------------------------------|-----------------|
| ATEmix (oral) | 59,513.90 mg/kg |
| ATEmix (inhalation-dust/mist) | 121.98 mg/L |

Unknown Acute Toxicity

- 10 % of the mixture consists of ingredient(s) of unknown toxicity.
- 10 % of the mixture consists of ingredient(s) of unknown acute oral toxicity.
- 10 % of the mixture consists of ingredient(s) of unknown acute dermal toxicity.
- 10 % of the mixture consists of ingredient(s) of unknown acute inhalation toxicity (gas).
- 10 % of the mixture consists of ingredient(s) of unknown acute inhalation toxicity (vapour).
- 10 % of the mixture consists of ingredient(s) of unknown acute inhalation toxicity (dust/mist).

| Chemical name | Oral LD50 | Dermal LD50 | Inhalation LC50 |
|---------------------------------|-----------------------|---|--------------------------------------|
| Di(ethylene glycol) ethyl ether | = 10502 mg/kg (Rat) | = 9143 mg/kg (Rabbit) = 6 mL/kg (Rat) = 4200 µL/kg (Rabbit) | > 5240 mg/m ³ (Rat) 4 h |
| Texanol ester alcohol | = 3200 mg/kg (Rat) | > 15200 mg/kg (Rat) | > 3.55 mg/L (Rat) 6 h |
| tributoxyethyl phosphate | = 3 g/kg (Rat) | > 16 mL/kg (Rabbit) | > 6.4 mg/L (Rat) 4 h |

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

The product is not classified as environmentally hazardous. However, this does not exclude the possibility that large or frequent spills can have a harmful or damaging effect on the environment.

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

12.2. Persistence and Degradability

Not determined.

12.3. Bioaccumulative Potential

There is no data for this product.

| Chemical name | Partition coefficient |
|---------------------------------|-----------------------|
| Di(ethylene glycol) ethyl ether | -0.8 |

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

IATA

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)

| Chemical name | French RG number | Title |
|---|------------------|-------|
| Di(ethylene glycol) ethyl ether 111-90-0 | RG 84 | |

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**

Not determined.

| Component | TSCA | DSL/NDSL | EINECS/ELINCS | PICCS | ENCS | IECSC | AICS | KECL |
|--|------|----------|---------------|-------|------|-------|------|------|
| Acrylate Copolymer 63744-68-3 (<5) | X | X | - | X | X | X | - | - |
| Ethylene Copolymer Emulsion 67892-91-5 (<5) | X | X | - | - | - | - | - | - |
| Di(ethylene glycol) ethyl ether 111-90-0 (4.3) | X | X | X | X | X | X | X | X |
| Texanol ester alcohol 25265-77-4 (<3) | X | X | X | X | - | X | X | X |
| tributoxyethyl phosphate 78-51-3 (<2) | X | X | X | X | X | X | X | X |

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**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 |

Section 8: EXPOSURE CONTROLS/PERSONAL PROTECTION**Classification Procedure**

Calculation method
 Expert judgment and weight of evidence determination

Issue Date: 27-Dec-2011

Revision Date: 16-Jul-2019

Revision Note: Reformulation.

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