



Safety Data Sheet

Issue Date: 27-Dec-2011

Revision Date: 22-Dec-2017

Version 2

1. IDENTIFICATION

Product Identifier

Product Name Buckeye Clarion

Other means of identification

SDS # BE-5130

Product Code 5130

Recommended use of the chemical and restrictions on use

Recommended Use Floor Finish, Water Based.

Details of the supplier of the safety data sheet

Supplier Address

Buckeye International, Inc.
2700 Wagner Place
Maryland Heights, MO 63043 USA

Emergency Telephone Number

Company Phone Number 1-314-291-1900

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

2. HAZARDS IDENTIFICATION

Appearance White opaque solution **Physical State** Liquid **Odor** Sweet polymer scent No fragrance added

Classification

This chemical does not meet the hazardous criteria set forth by the 2012 OSHA Hazard Communication Standard (29 CFR 1910.1200). However, this Safety Data Sheet (SDS) contains valuable information critical to the safe handling and proper use of this product. This SDS should be retained and available for employees and other users of this product.

3. COMPOSITION/INFORMATION ON INGREDIENTS

| Chemical Name | CAS No | Weight-% |
|---------------------------------|-------------|----------|
| Water | 7732-18-5 | >38.7 |
| Acrylic Emulsion | Proprietary | <37 |
| Acrylate Copolymer | 63744-68-3 | <5 |
| Di(ethylene glycol) ethyl ether | 111-90-0 | 4.3 |
| tributoxyethyl phosphate | 78-51-3 | <3 |
| Texanol ester alcohol | 25265-77-4 | <3 |
| Ethylene Copolymer Emulsion | 67892-91-5 | <3 |

If Chemical Name/CAS No is "proprietary" and/or Weight-% is listed as a range, the specific chemical identity and/or percentage of composition has been withheld as a trade secret.

4. FIRST-AID MEASURES

First Aid Measures

| | |
|---------------------|--|
| Eye Contact | Rinse immediately with plenty of water, also under the eyelids, for at least 15 minutes. Call a physician if irritation persists. |
| Skin Contact | Wash off immediately with plenty of water for at least 15 minutes. If skin irritation persists, call a physician. 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 physician. Never give anything by mouth to an unconscious person. |

Most important symptoms and effects

| | |
|-----------------|---|
| Symptoms | Contact may cause irritation and redness. |
|-----------------|---|

Indication of any immediate medical attention and special treatment needed

| | |
|---------------------------|------------------------|
| Notes to Physician | Treat symptomatically. |
|---------------------------|------------------------|

5. FIRE-FIGHTING MEASURES

Suitable Extinguishing Media

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

Unsuitable Extinguishing Media Not determined.

Specific Hazards Arising from the Chemical

Combustion products may be toxic.

Hazardous Combustion Products Carbon oxides. Nitrogen oxides (NOx). Phosphorus oxides.

Protective equipment and precautions for firefighters

As in any fire, wear self-contained breathing apparatus pressure-demand, MSHA/NIOSH (approved or equivalent) and full protective gear.

6. ACCIDENTAL RELEASE MEASURES

Personal precautions, protective equipment and emergency procedures

- Personal Precautions** Use personal protective equipment as required.
- Environmental Precautions** Prevent from entering into soil, ditches, sewers, waterways and/or groundwater. See Section 12, Ecological Information. See Section 13: DISPOSAL CONSIDERATIONS.

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.

7. HANDLING AND STORAGE

Precautions for safe handling

- Advice on Safe Handling** Handle in accordance with good industrial hygiene and safety practice. Avoid contact with skin, eyes or clothing. Use personal protection recommended in Section 8.

Conditions for safe storage, including any incompatibilities

- Storage Conditions** Keep container tightly closed and store in a cool, dry and well-ventilated place. Keep container closed when not in use. Keep from freezing. Store at room temperature. Do not store above 110°F.
- Incompatible Materials** Acids. Strong alkalis. Heavy metal salts.

8. EXPOSURE CONTROLS/PERSONAL PROTECTION

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

Appropriate engineering controls

- Engineering Controls** Ensure adequate ventilation, especially in confined areas. Eyewash stations. Showers.

Individual protection measures, such as personal protective equipment

- Eye/Face Protection** Risk of contact: Wear approved safety goggles.
- Skin and Body Protection** Rubber gloves. Suitable protective clothing.
- Respiratory Protection** Ensure adequate ventilation, especially in confined areas.

General Hygiene Considerations Handle in accordance with good industrial hygiene and safety practice.

9. PHYSICAL AND CHEMICAL PROPERTIES

Information on basic physical and chemical properties

| | | | |
|-----------------------|-----------------------|-----------------------|---------------------|
| Physical State | Liquid | Odor | Sweet polymer scent |
| Appearance | White opaque solution | Odor Threshold | No fragrance added |
| Color | White opaque | | Not determined |

| <u>Property</u> | <u>Values</u> | <u>Remarks • Method</u> |
|------------------------------|----------------------------------|-------------------------|
| pH | 8.2-8.6 (conc. and use dilution) | |
| Melting Point/Freezing Point | Not determined | |
| Boiling Point/Boiling Range | 100 °C / 212 °F | |
| Flash Point | None | Tag Closed Cup |
| Evaporation Rate | 1.0 | (Water = 1) |
| Flammability (Solid, Gas) | Liquid-Not Applicable | |
| Upper Flammability Limits | Not Applicable | |
| Lower Flammability Limit | Not Applicable | |
| Vapor Pressure | Not determined | |
| Vapor Density | Not determined | |
| Specific Gravity | 1.03 | |
| Water Solubility | Miscible in water | |
| Solubility in other solvents | Not determined | |
| Partition Coefficient | Not determined | |
| Auto-ignition Temperature | Not determined | |
| Decomposition Temperature | Not determined | |
| Kinematic Viscosity | Not determined | |
| Dynamic Viscosity | Not determined | |
| Explosive Properties | Not determined | |
| Oxidizing Properties | Not determined | |

10. STABILITY AND REACTIVITY

Reactivity

Not reactive under normal conditions.

Chemical Stability

Stable under recommended storage conditions.

Possibility of Hazardous Reactions

None under normal processing.

Hazardous Polymerization Hazardous polymerization does not occur.

Conditions to Avoid

Keep separated from incompatible substances. Keep out of reach of children.

Incompatible Materials

Acids. Strong alkalis. Heavy metal salts.

Hazardous Decomposition Products

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

11. TOXICOLOGICAL INFORMATION

Information on likely routes of exposure

Product Information

| | |
|---------------------|----------------------------------|
| Eye Contact | Avoid contact with eyes. |
| Skin Contact | Avoid contact with skin. |
| Inhalation | Avoid breathing vapors or mists. |
| Ingestion | Do not ingest. |

Component Information

| Chemical Name | Oral LD50 | Dermal LD50 | Inhalation LC50 |
|---|----------------------|---|--------------------------------------|
| Di(ethylene glycol) ethyl ether 111-90-0 | = 1920 mg/kg (Rat) | = 4200 µL/kg (Rabbit) = 6 mL/kg (Rat) | > 5240 mg/m ³ (Rat) 4 h |
| Texanol ester alcohol 25265-77-4 | = 3200 mg/kg (Rat) | > 15200 mg/kg (Rat) | - |
| tributoxyethyl phosphate 78-51-3 | = 3000 mg/kg (Rat) | > 5000 mg/kg (Rabbit) | > 6.4 mg/L (Rat) 4 h |

Information on physical, chemical and toxicological effects

Symptoms Please see section 4 of this SDS for symptoms.

Delayed and immediate effects as well as chronic effects from short and long-term exposure

Carcinogenicity This product does not contain any carcinogens or potential carcinogens as listed by OSHA, IARC or NTP.

Numerical measures of toxicity

Not determined

12. ECOLOGICAL INFORMATION**Ecotoxicity**

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.

Component Information

| Chemical Name | Algae/aquatic plants | Fish | Toxicity to microorganisms | Crustacea |
|---|--|--|----------------------------|--|
| Di(ethylene glycol) ethyl ether 111-90-0 | | 11400 - 15700: 96 h Oncorhynchus mykiss mg/L LC50 flow-through 11600 - 16700: 96 h Pimephales promelas 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 13400: 96 h Salmo gairdneri mg/L LC50 flow-through | | 3940 - 4670: 48 h Daphnia magna mg/L EC50 |
| Texanol ester alcohol 25265-77-4 | 18.4: 72 h Pseudokirchneriella subcapitata mg/L EC50 | 30: 96 h Pimephales promelas mg/L LC50 | | 95: 96 h Daphnia magna mg/L LC50 |
| tributoxyethyl phosphate 78-51-3 | | 10.4 - 12.0: 96 h Pimephales promelas mg/L LC50 flow- through | | |

Persistence/Degradability

Not determined.

Bioaccumulation

Not determined.

Mobility

| Chemical Name | Partition Coefficient |
|---|-----------------------|
| Di(ethylene glycol) ethyl ether 111-90-0 | -0.8 |
| tributoxyethyl phosphate 78-51-3 | 4.78 |
| Texanol ester alcohol 25265-77-4 | 3.47 |

Other Adverse Effects

Not determined

13. DISPOSAL CONSIDERATIONS**Waste Treatment Methods**

| | |
|-------------------------------|---|
| Disposal of Wastes | Disposal should be in accordance with applicable regional, national and local laws and regulations. |
| Contaminated Packaging | Disposal should be in accordance with applicable regional, national and local laws and regulations. |

14. TRANSPORT INFORMATION

| | |
|--------------------|---|
| <u>Note</u> | Please see current shipping paper for most up to date shipping information, including exemptions and special circumstances. |
| <u>DOT</u> | Not regulated |
| <u>IATA</u> | Not regulated |
| <u>IMDG</u> | Not regulated |

15. REGULATORY INFORMATION**International Inventories**

TSCA Listed

Legend:

TSCA - United States Toxic Substances Control Act Section 8(b) Inventory

US Federal Regulations**SARA 313**

| Chemical Name | CAS No | Weight-% | SARA 313 - Threshold Values % |
|--|----------|----------|-------------------------------|
| Di(ethylene glycol) ethyl ether - 111-90-0 | 111-90-0 | 4.3 | 1.0 |

US State Regulations**California Proposition 65**

This product does not contain any Proposition 65 chemicals.

U.S. State Right-to-Know Regulations

| Chemical Name | New Jersey | Massachusetts | Pennsylvania |
|---|------------|---------------|--------------|
| Di(ethylene glycol) ethyl ether 111-90-0 | X | | X |

16. OTHER INFORMATION**NFPA****Health Hazards****Flammability****Instability****Special Hazards**

0

0

0

Not determined

HMIS**Health Hazards****Flammability****Physical Hazards****Personal Protection**

Not determined

Not determined

Not determined

Not determined

Issue Date:

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Revision Date:

22-Dec-2017

Revision Note:

Telephone number update

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