



# Safety Data Sheet

Issue Date: 09-Dec-2013

Revision Date: 06-Dec-2018

Version 2

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

### 1.1. Product Identifier

SDS #	BE-5131-EU
Product Code	5131
Product Name	Clarion 25

### 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

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

### For further information, please contact

<b>Contact Point</b>	Lewis Kirby, EU General Manager: +4407792782066 Buckeye International, Inc.: 1-314-291-1900
<b>Email Address</b>	<a href="mailto:info@buckeyeinternational.com">info@buckeyeinternational.com</a>

### 1.4. Emergency telephone number

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

## Section 2: HAZARDS IDENTIFICATION

### 2.1. Classification of the Substance or Mixture

Regulation (EC) No 1272/2008

Chronic aquatic toxicity	Category 3 - (H412)
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### 2.2. Label Elements

**Product Identifier**  
**Hazard statements**  
H412 - Harmful to aquatic life with long lasting effects

### Precautionary Statements - EU (§28, 1272/2008)

P273 - Avoid release to the environment

### 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
tributoxyethyl phosphate	Present	78-51-3	<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

<b>General Advice</b>	Provide this SDS to medical personnel for treatment.
<b>Eye Contact</b>	Rinse immediately with plenty of water and seek medical advice.
<b>Skin Contact</b>	Wash off immediately with soap and plenty of water while removing all contaminated clothes and shoes.
<b>Inhalation</b>	Remove to fresh air.
<b>Ingestion</b>	Give two large glasses of water. Do NOT induce vomiting. Never give anything by mouth to an unconscious person. Get medical attention.

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

**Symptoms** None known.

### 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

Thermal decomposition can lead to release of irritating and toxic gases and vapours.

**Hazardous combustion products** Carbon oxides. Phosphorus oxides. Nitrogen oxides (NOx).

### 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. Rinse area with clear water and allow floor to dry before allowing traffic. Dispose of in accordance with federal, state and local regulations.

### 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**

Avoid contact with skin, eyes or clothing. Wash face, hands and any exposed skin thoroughly after handling.

#### **General Hygiene Considerations**

Handle in accordance with good industrial hygiene and safety practice. Wash face, hands and any exposed skin thoroughly after handling.

### 7.2. Conditions for Safe Storage, Including any Incompatibilities

#### **Storage Conditions**

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

### 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**

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**

Ensure adequate ventilation, especially in confined areas. Showers. Eyewash stations.

**Personal Protective Equipment**

<b>Eye/Face Protection</b>	Wear safety glasses or goggles to protect against exposure.
<b>Hand Protection</b>	Wear suitable gloves.
<b>Skin and Body Protection</b>	Suitable protective clothing.
<b>Respiratory Protection</b>	Ensure adequate ventilation, especially in confined areas.

**Section 9: PHYSICAL AND CHEMICAL PROPERTIES****9.1. Information on Basic Physical and Chemical Properties**

<b>Physical state</b>	Liquid	<b>Odour</b>	Sweet polymer scent No fragrance added
<b>Appearance</b>	White opaque solution	<b>Odour Threshold</b>	Not determined
<b>Colour</b>	White		
<b>Property</b>	<b>Values</b>	<b>Remarks • Method</b>	
<b>pH</b>	8.6 +/- 0.4 (Conc. & Use Dilution)		
<b>Melting point / freezing point</b>	Not determined		
<b>Boiling point / boiling range</b>	100 °C / 212 °F		
<b>Flash point</b>	None	Tag Closed Cup	
<b>Evaporation Rate</b>	1.0		
<b>Flammability (Solid, Gas)</b>	Liquid- Not Applicable		
<b>Flammability Limit in Air</b>			
<b>Upper flammability or explosive limits</b>	Not determined		
<b>Lower flammability or explosive limits</b>	Not determined		
<b>Vapour Pressure</b>	Not determined		
<b>Vapour Density</b>	Not determined		
<b>Relative Density</b>	1.03		
<b>Water Solubility</b>	Miscible in water		
<b>Solubility(ies)</b>	Not determined		
<b>Partition Coefficient</b>	Not determined		
<b>Autoignition temperature</b>	Not determined		
<b>Decomposition temperature</b>	Not determined		
<b>Kinematic viscosity</b>	Not determined		
<b>Dynamic Viscosity</b>	Not determined		
<b>Explosive Properties</b>	Not determined		
<b>Oxidising Properties</b>	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**

<b>Inhalation</b>	Avoid breathing vapours or mists.
<b>Eye Contact</b>	Avoid contact with eyes.
<b>Skin Contact</b>	Avoid contact with skin.
<b>Ingestion</b>	Do not ingest.

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

ATEmix (oral) 28,992.00 mg/kg

**Unknown Acute Toxicity**

- 51.5 % of the mixture consists of ingredient(s) of unknown toxicity.
- 45.7 % of the mixture consists of ingredient(s) of unknown acute oral toxicity.
- 45.7 % of the mixture consists of ingredient(s) of unknown acute dermal toxicity.
- 51.5 % of the mixture consists of ingredient(s) of unknown acute inhalation toxicity (gas).
- 51.5 % of the mixture consists of ingredient(s) of unknown acute inhalation toxicity (vapour).
- 51.5 % of the mixture consists of ingredient(s) of unknown acute inhalation toxicity (dust/mist).

**Component Information**

Chemical name	Oral LD50	Dermal LD50	Inhalation LC50
tributoxyethyl phosphate	= 3 g/kg ( Rat )	> 16 mL/kg ( Rabbit )	> 6.4 mg/L ( Rat ) 4 h
Coalescent	= 3200 mg/kg ( Rat )	> 15200 mg/kg ( Rat )	> 3.55 mg/L ( Rat ) 6 h
nonylphenol ethoxylate	= 1310 mg/kg ( Rat ) = 2590 mg/kg ( Rat )	= 1780 µL/kg ( Rabbit ) = 2 mL/kg ( Rabbit )	

<b>Skin corrosion/irritation</b>	Not classified.
<b>Serious eye damage/eye irritation</b>	Not classified.
<b>Sensitisation</b>	Not classified.
<b>Germ cell mutagenicity</b>	Not classified.
<b>Carcinogenicity</b>	Not classified.
<b>Reproductive toxicity</b>	Not classified.
<b>STOT - single exposure</b>	Not classified.
<b>STOT - repeated exposure</b>	Not classified.
<b>Aspiration hazard</b>	Not classified.

**Section 12: ECOLOGICAL INFORMATION****12.1. Toxicity**

Harmful to aquatic life with long lasting effects.

Chemical name	Algae/aquatic plants	Fish	Crustacea
tributoxyethyl phosphate		10.4 - 12.0: 96 h Pimephales promelas mg/L LC50 flow-through	

**12.2. Persistence and Degradability**

Not determined.

**12.3. Bioaccumulative Potential**

Chemical name	Partition coefficient
tributoxyethyl phosphate	3.65 - 4.78

**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****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**

Not applicable

**International Inventories**

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 (<3)	X	X	-	-	-	-	-	-
tributoxyethyl phosphate 78-51-3 (<3)	X	X	X	X	X	X	X	X
Coalescent 25265-77-4 (<3)	X	X	X	X	-	X	X	X
Oxidized Polyethylene 68441-17-8 (<1)	X	X	-	X	X	X	X	X
nonylphenol ethoxylate 9016-45-9 (<1)	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**

H412 - Harmful to aquatic life with long lasting effects

**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

**Issue Date:** 09-Dec-2013**Revision Date:** 06-Dec-2018**Revision Note:** Regulatory review.

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