



Safety Data Sheet

Issue Date: 27-Dec-2011

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-5127-EU
Product Code	5127
Product Name	1844

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

Recommended Use	Floor Finish, Water Based
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1.3. Details of the Supplier of the Safety Data Sheet

Importer	REACH Only Representative	Supplier
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

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)	(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

P501 - Dispose of contents/container in accordance with local, regional, national, and international regulations

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	4.45	Not determined	Not determined
tributoxyethyl phosphate	Present	78-51-3	<4	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 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.

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

Symptoms	May cause mild skin and eye irritation.
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4.3. Indication of any Immediate Medical Attention and Special Treatment Needed

Notes to Physician	Treat symptomatically.
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Section 5: FIRE-FIGHTING 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. Nitrogen oxides (NOx). Phosphorus oxides.

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. 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. 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

Avoid contact with skin, eyes or clothing. Use personal protection recommended in Section 8.

General Hygiene Considerations

Handle in accordance with good industrial hygiene and safety practice.

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. 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 .

8.2. Exposure Controls

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

Personal Protective Equipment

Eye/Face Protection	Risk of contact: Wear approved safety goggles.
Hand Protection	Wear suitable 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	Odor	Sweet polymer scent No fragrance added
Appearance	White opaque solution	Odor Threshold	Not determined
Color	White opaque		

Property	Values	Remarks • Method
pH	7.5-7.9 (conc. and use dilution)	
Melting point / freezing point	Not determined	
Boiling point / boiling range	100 °C / 212 °F	
Flash point	None	Tag Closed Cup (n-BuAc =1)
Evaporation Rate	1.0	
Flammability (Solid, Gas)	Liquid-Not Applicable	
Flammability Limit in Air		
Upper flammability or explosive limits	Not Applicable	
Lower flammability or explosive limits	Not Applicable	
Vapor Pressure	Not determined	
Vapor Density	Not determined	
Relative Density	1.024	
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	
Oxidizing 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 Polymerization**

Hazardous polymerization 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 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**

Inhalation	Avoid breathing vapors 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)	14,243.00 mg/kg
ATEmix (dermal)	39,541.00 mg/kg
ATEmix (inhalation-dust/mist)	56.58 mg/L

Unknown Acute Toxicity

- 56.45 % of the mixture consists of ingredient(s) of unknown toxicity.
- 48 % of the mixture consists of ingredient(s) of unknown acute oral toxicity.
- 48 % of the mixture consists of ingredient(s) of unknown acute dermal toxicity.
- 56.45 % of the mixture consists of ingredient(s) of unknown acute inhalation toxicity (gas).
- 56.45 % of the mixture consists of ingredient(s) of unknown acute inhalation toxicity (vapor).
- 52 % of the mixture consists of ingredient(s) of unknown acute inhalation toxicity (dust/mist).

Component Information

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
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.

Sensitization 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

Harmful to aquatic life with long lasting effects.

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
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
Di(ethylene glycol) ethyl ether	-0.8
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
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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 .

Authorizations and/or restrictions on use:

This product does not contain substances subject to authorization (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
Polymer 9003-42-3 (<35)	X	X	-	X	X	X	X	X
Ethylene Copolymer Emulsion 67892-91-5 (<8)	X	X	-	-	-	-	-	-
Acrylate Copolymer 63744-68-3 (<5)	X	X	-	X	X	X	-	-
Di(ethylene glycol) ethyl ether 111-90-0 (4.45)	X	X	X	X	X	X	X	X
tributoxyethyl phosphate 78-51-3 (<4)	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 Authorization:

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: 27-Dec-2011

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