



# Safety Data Sheet

Issue Date: 27-Dec-2011

Revision Date: 11-Nov-2016

Version 1

## 1. IDENTIFICATION

### Product Identifier

**Product Name** Buckeye Liquimax

### Other means of identification

**SDS #** BE-5120-CA

**Product Code** 5120  
**Synonyms** None

### Recommended use of the chemical and restrictions on use

**Recommended Use** Floor finish Waterbased

**Uses Advised Against** No information available

### Details of the supplier of the safety data sheet

#### Initial Supplier Identifier

THIS SAFETY DATA SHEET  
IS NOT COMPLIANT UNLESS  
CANADIAN ADDRESS IS USED

#### United States Supplier Address

Buckeye International, Inc.  
2700 Wagner Place  
Maryland Heights, MO 63043 USA  
1-314-291-1900

### 24 hr Emergency Telephone Numbers

TRANSPORTATION - INFOTRAC 1-352-323-3500 (International)  
1-800-535-5053 (North America)

MEDICAL - 1-651-632-8956 (International) 1-800-303-0441 (North America)

## 2. HAZARDS IDENTIFICATION

**Appearance** White opaque solution

**Physical state** Liquid

**Odour** Sweet polymer scent No fragrance added

### Classification

This chemical does not meet the hazardous criteria set forth by the 2015 WHMIS standards. 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.

### Label Elements

None

### 3. COMPOSITION/INFORMATION ON INGREDIENTS

#### Substance

Not applicable.

#### Mixture

Chemical Name	CAS No	Weight-%	Hazardous Material Information Review Act registry number (HMIRA registry #)	Date HMIRA filed and date exemption granted (if applicable)
Di(ethylene glycol) ethyl ether	111-90-0	4.95	-	-
tributoxyethyl phosphate	78-51-3	2	-	-
Coalescent	25265-77-4	2	-	-

### 4. FIRST AID MEASURES

#### First Aid Measures

<b>Eye contact</b>	Rinse immediately with plenty of water, also under the eyelids, for at least 15 minutes. Call a doctor if irritation persists.
<b>Skin contact</b>	Wash off immediately with plenty of water for at least 15 minutes. If skin irritation persists, call a doctor.
<b>Inhalation</b>	Remove to fresh air.
<b>Ingestion</b>	Drink 2-3 large glasses of water. Do NOT induce vomiting. Call a doctor. Never give anything by mouth to an unconscious person.

#### Most important symptoms and effects

<b>Symptoms</b>	Causes painful stinging or burning of eyes and lids, watering of eyes. May cause respiratory irritation. May cause drowsiness or dizziness.
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#### Indication of any immediate medical attention and special treatment needed

<b>Note to doctors</b>	Treat symptomatically.
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### 5. FIRE-FIGHTING MEASURES

<b>Suitable Extinguishing Media</b>	Use extinguishing measures that are appropriate to local circumstances and the surrounding environment.
<b>Unsuitable extinguishing media</b>	CAUTION: Use of water spray when fighting fire may be inefficient.
<b>Specific hazards arising from the chemical</b>	Combustion products may be toxic.
<b>Hazardous Combustion Products</b>	Carbon oxides. Phosphorus oxides. Nitrogen oxides (NOx).

**Explosion Data****Sensitivity to Mechanical Impact** None.**Sensitivity to Static Discharge** None.**Special protective equipment for fire-fighters**

Firefighters should wear self-contained breathing apparatus and full firefighting turnout gear. Use personal protection equipment.

**6. ACCIDENTAL RELEASE MEASURES****Personal precautions, protective equipment and emergency procedures****Personal precautions** Use personal protective equipment as required.**Environmental precautions****Environmental precautions** See Section 12 for additional Ecological Information.**Methods and material for containment and cleaning up****Methods for containment** Prevent further leakage or spillage if safe to do so.**Methods for cleaning up** Pick up with mop, wet/dry vac, or absorbent material. Rinse area with clear water and allow floor to dry before allowing traffic.**Prevention of secondary hazards** Clean contaminated objects and areas thoroughly observing environmental regulations.**7. HANDLING AND STORAGE****Precautions for safe handling****Advice on safe handling** Keep out of the reach of children. Avoid release to the environment. Use personal protection recommended in Section 8. Wash face, hands and any exposed skin thoroughly after handling. Use only in well-ventilated areas.**Conditions for safe storage, including any incompatibilities****Storage Conditions** Keep container tightly closed in a dry and well-ventilated place. Keep container closed when not in use. Store at room temperature. Do not store above 110°F.**Incompatible materials** Acids Strong alkalis Heavy metal salts**8. EXPOSURE CONTROLS/PERSONAL PROTECTION****Control parameters****Exposure Limits**

Chemical Name	Canada - Alberta - Occupational Exposure Limits - Ceilings	Canada - British Columbia - Occupational Exposure Limits - Ceilings	Canada - Ontario - Occupational Exposure Limits - Ceilings	Quebec
Di(ethylene glycol) ethyl ether 111-90-0			TWA: 30 ppm TWA: 165 mg/m <sup>3</sup>	

**Appropriate engineering controls**

**Engineering controls**                      Showers  
 Eyewash stations  
 Ventilation systems.

**Individual protection measures, such as personal protective equipment**

**Eye/face protection**                      Risk of contact: Wear approved safety goggles.

**Skin and body protection**                Wear rubber gloves or other impervious gloves.

**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  
**Appearance**                                 White opaque solution  
**Colour**                                         White  
**Odour**                                         Sweet polymer scent No fragrance added  
**Odour Threshold**                          No information available

<u>Property</u>	<u>Values</u>	<u>Remarks • Method</u>
pH	8.2 ± 0.2 (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)	n/a-liquid	
Flammability Limits in Air		
Upper Flammability Limits	Not applicable	
Lower Flammability Limit	Not applicable	
Vapour Pressure	Not determined	
Vapour Density	Not determined	
Relative Density	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	No information available.	
Oxidising properties	No information available.	

**Other Information**

**Softening Point**                                No information available  
**Molecular weight**                            No information available  
**VOC Content (%)**                              No information available  
**Density**                                         No information available  
**Bulk Density**                                 No information available

## 10. STABILITY AND REACTIVITY

**Reactivity**                                    Not reactive under normal conditions.

**Chemical Stability**                         Stable under normal conditions.

<b>Possibility of Hazardous Reactions</b>	None under normal processing.
<b>Hazardous Polymerisation</b>	Hazardous polymerisation does not occur.
<b>Conditions to Avoid</b>	Keep out of reach of children.
<b>Incompatible Materials</b>	Acids. Strong alkalis. Heavy metal salts.
<b>Hazardous Decomposition Products</b>	Carbon oxides. Nitrogen oxides (NOx). Phosphorous oxides.

## 11. TOXICOLOGICAL INFORMATION

### Information on likely routes of exposure

<b>Product Information</b>	Product does not present an acute toxicity hazard based on known or supplied information
<b>Eye contact</b>	Avoid contact with eyes.
<b>Skin contact</b>	Avoid contact with skin.
<b>Inhalation</b>	Avoid breathing vapours or mists.
<b>Ingestion</b>	Do not ingest.

### Information on physical, chemical and toxicological effects

**Symptoms** Please see section 4 of this SDS for symptoms.

### Numerical measures of toxicity

Not determined

### **Acute Toxicity**

**ATEmix (inhalation-dust/mist)** 92.19

**Unknown acute toxicity** No information available

### **Component Information**

Chemical Name	Oral LD50	Dermal LD50	Inhalation LC50
Di(ethylene glycol) ethyl ether 111-90-0	= 10502 mg/kg ( Rat )	= 6 mL/kg ( Rat ) = 9143 mg/kg ( Rabbit ) = 4200 µL/kg ( Rabbit )	> 5240 mg/m <sup>3</sup> ( Rat ) 4 h
tributoxyethyl phosphate 78-51-3	= 3 g/kg ( Rat )	> 16 mL/kg ( Rabbit )	> 6.4 mg/L ( Rat ) 4 h
Coalescent 25265-77-4	= 3200 mg/kg ( Rat )	> 15200 mg/kg ( Rat )	> 3.55 mg/L ( Rat ) 6 h

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

**Carcinogenicity** Based on available data, the classification criteria are not met.

## 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.

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 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	-	3940 - 4670: 48 h Daphnia magna mg/L EC50
tributoxyethyl phosphate 78-51-3	-	10.4 - 12.0: 96 h Pimephales promelas mg/L LC50 flow-through	-	-
Coalescent 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

**Persistence/Degradability** No information available.

**Bioaccumulation** No information available.

**Mobility** .

Chemical Name	Partition Coefficient
Di(ethylene glycol) ethyl ether 111-90-0	-0.8
tributoxyethyl phosphate 78-51-3	3.65 - 4.78
Coalescent 25265-77-4	3.47

**Other Adverse Effects** No information available.

### 13. DISPOSAL CONSIDERATIONS

#### Waste Treatment Methods

**Waste from residues/unused products** Dispose of in accordance with local regulations. Dispose of waste in accordance with environmental legislation.

**Contaminated packaging** Do not reuse empty containers.

### 14. TRANSPORT INFORMATION

**DOT** Not regulated

**TDG** Not regulated

IATA Not regulatedIMDG Not regulated**15. REGULATORY INFORMATION****REGULATORY INFORMATION****International Regulations**

Ozone-depleting substances (ODS) Not applicable

Persistent Organic Pollutants Not applicable

Export Notification requirements Not applicable

**International Inventories**

Chemical Name	TSCA	DSL/NDSL	EINECS/ELI NCS	ENCS	IECSC	KECL	PICCS	AICS
Di(ethylene glycol) ethyl ether	X	X	X	Present	X	Present	X	X
tributoxyethyl phosphate	X	X	X	Present	X	Present	X	X
Coalescent	X	X	X	Present	X	Present	X	X

**Legend:****TSCA** - United States Toxic Substances Control Act Section 8(b) Inventory**DSL/NDSL** - Canadian Domestic Substances List/Non-Domestic Substances List**EINECS/ELINCS** - European Inventory of Existing Chemical Substances/European List of Notified Chemical Substances**ENCS** - Japan Existing and New Chemical Substances**IECSC** - China Inventory of Existing Chemical Substances**KECL** - Korean Existing and Evaluated Chemical Substances**PICCS** - Philippines Inventory of Chemicals and Chemical Substances**AICS** - Australian Inventory of Chemical Substances**16. OTHER INFORMATION, INCLUDING DATE OF PREPARATION OF THE LAST REVISION**

<u>NFPA</u>	Health Hazards 1	Flammability 0	Instability 0	Special Hazards -
<u>HMIS</u>	Health Hazards 1	Flammability 0	Physical hazards 0	Personal Protection X

**Legend Section 8: EXPOSURE CONTROLS/PERSONAL PROTECTION**

TWA TWA (time-weighted average)

STEL STEL (Short Term Exposure Limit)

Ceiling Maximum limit value

\* Skin designation

**Issue Date:** 27-Dec-2011**Revision Date:** 11-Nov-2016**Revision Note:** No information available.**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**

