



Safety Data Sheet

Issue Date: 27-Dec-2011

Revision Date: 23-Mar-2020

Version 2

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

1.1. Product Identifier

SDS # BE-5023-EU
Product Code 5023
Product Name Buckeye Penetrate

Contains Benzyl alcohol, Monoethanolamine, Octanoic Acid

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

Recommended Use Floor finish stripper Water based

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) 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

| | |
|-----------------------------------|---------------------|
| Serious eye damage/eye irritation | Category 2 - (H319) |
| Chronic aquatic toxicity | Category 3 - (H412) |

2.2. Label Elements

Product Identifier
 Contains Benzyl alcohol, Monoethanolamine, Octanoic Acid

**Signal Word**

Warning

Hazard statements

H319 - Causes serious eye irritation

H412 - Harmful to aquatic life with long lasting effects

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

P264 - Wash face, hands and any exposed skin thoroughly after handling

P280 - Wear eye protection/ face protection

P305 + P351 + P338 - IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing

P337 + P313 - If eye irritation persists: Get medical advice/attention

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 |
|----------------------------------|---------|----------|----------|---|---------------------------|
| Ethylene glycol monophenyl ether | Present | 122-99-6 | <10 | Acute Tox. 4 (H302) Eye Irrit. 2 (H319) | Not determined |
| Benzyl alcohol | Present | 100-51-6 | <10 | Acute Tox. 4 (H302) Acute Tox. 4 (H332) | Not determined |
| Monoethanolamine | Present | 141-43-5 | 7.5 | Acute Tox. 4 (H302) Acute Tox. 4 (H312) Acute Tox. 4 (H332) Skin Corr. 1B (H314) | Not determined |
| Octanoic Acid | Present | 124-07-2 | <5 | Skin Corr. 1C (H314) Aquatic Chronic 3 (H412) | Not determined |

Full text of H- and EUH-phrases: see section 16

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. Take off contaminated clothing. Wash contaminated clothing before reuse. If skin irritation persists, call a doctor.

Inhalation

Remove to fresh air.

Ingestion Drink 2-3 large glasses of water. Do NOT induce vomiting. Call a doctor immediately. 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. May cause redness, pain, and severe skin burns. Ingestion may cause nausea and headache. Can cause defatting of skin tissue.

4.3. Indication of any Immediate Medical Attention and Special Treatment Needed

Notes to Physician Treat symptomatically. Dermatitis or other pre-existing skin conditions may be aggravated by overexposure to this product.

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. Oxides of sulphur. 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.

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.

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. Store at room temperature. Keep container closed when not in use. Store away from incompatible materials. Store on low shelves.

Packaging Materials

Rinse container before discarding.

7.3. Specific End Use(s)

Specific Use(s)

Floor finish stripper. 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 |
|------------------------------|--|--|--|--|--|
| Monoethanolamine 141-43-5 | TWA: 1 ppm TWA: 2.5 mg/m ³ Skin | STEL: 3 ppm STEL: 7.6 mg/m ³ TWA: 1 ppm TWA: 2.5 mg/m ³ Skin | TWA: 1 ppm TWA: 2.5 mg/m ³ STEL: 3 ppm STEL: 7.6 mg/m ³ | S* STEL: 3 ppm STEL: 7.5 mg/m ³ TWA: 1 ppm TWA: 2.5 mg/m ³ | TWA: 0.2 ppm TWA: 0.5 mg/m ³ H* |
| Chemical name | Italy | Portugal | Netherlands | Finland | Denmark |
| Monoethanolamine 141-43-5 | TWA: 1 ppm TWA: 2.5 mg/m ³ STEL: 3 ppm STEL: 7.6 mg/m ³ Skin | STEL: 3 ppm STEL: 7.6 mg/m ³ TWA: 1 ppm TWA: 2.5 mg/m ³ | Skin STEL: 7.6 mg/m ³ TWA: 2.5 mg/m ³ | TWA: 1 ppm TWA: 2.5 mg/m ³ STEL: 3 ppm STEL: 7.6 mg/m ³ Skin | TWA: 1 ppm TWA: 2.5 mg/m ³ Skin |
| Chemical name | Austria | Switzerland | Poland | Norway | Ireland |
| Monoethanolamine 141-43-5 | STEL 3 ppm STEL 7.6 mg/m ³ TWA: 1 ppm TWA: 2.5 mg/m ³ | STEL: 4 ppm STEL: 10 mg/m ³ TWA: 2 ppm TWA: 5 mg/m ³ | STEL: 7.5 mg/m ³ TWA: 2.5 mg/m ³ | TWA: 1 ppm TWA: 2.5 mg/m ³ Skin STEL: 2 ppm STEL: 5 mg/m ³ | TWA: 1 ppm TWA: 2.5 mg/m ³ STEL: 3 ppm STEL: 7.6 mg/m ³ Skin |

8.2. Exposure Controls

Engineering Controls

Apply technical measures to comply with the occupational exposure limits.

Personal Protective Equipment

Eye/Face Protection

Splash goggles or safety glasses.

Hand Protection

Rubber gloves.

Skin and Body Protection

Wear 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 | Odour | No scent No fragrance added |
| Appearance | Clear liquid | Odour Threshold | Not determined |
| Colour | Not determined | | |
| Property | Values | Remarks • Method | |
| pH | 10.5 ± 0.2 (conc) 10.1 ± 0.2 (1:4 dilution) | | |
| Melting point / freezing point | Not determined | | |
| Boiling point / boiling range | 100 °C / 212 °F | | |
| Flash point | None | | |
| 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 | 1.02 | | |
| Water Solubility | Mostly Soluble | | |
| 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 separated from incompatible substances. Keep out of reach of children.

10.5. Incompatible Materials

Chlorine bleach. Acids.

10.6. Hazardous Decomposition Products

Oxides of sulphur. Carbon oxides. Nitrogen oxides (NOx).

Section 11: TOXICOLOGICAL INFORMATION

11.1. Information on Toxicological Effects

Acute toxicity

Product Information

| | |
|---------------------|-----------------------------------|
| Inhalation | Avoid breathing vapours 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) | 5,437.15 mg/kg |
| ATEmix (dermal) | 6,840.00 mg/kg |
| ATEmix (inhalation-gas) | 7,000.00 ppm |
| ATEmix (inhalation-dust/mist) | 8.57 mg/L |

Unknown Acute Toxicity

- 0 % of the mixture consists of ingredient(s) of unknown toxicity.
- 0 % of the mixture consists of ingredient(s) of unknown acute oral toxicity.
- 0 % of the mixture consists of ingredient(s) of unknown acute dermal toxicity.
- 0 % of the mixture consists of ingredient(s) of unknown acute inhalation toxicity (gas).
- 0 % of the mixture consists of ingredient(s) of unknown acute inhalation toxicity (vapour).
- 0 % of the mixture consists of ingredient(s) of unknown acute inhalation toxicity (dust/mist).

Component Information

| Chemical name | Oral LD50 | Dermal LD50 | Inhalation LC50 |
|----------------------------------|-----------------------|--|--------------------------|
| Benzyl alcohol | = 1230 mg/kg (Rat) | = 2 g/kg (Rabbit) | = 8.8 mg/L (Rat) 4 h |
| Ethylene glycol monophenyl ether | = 1850 mg/kg (Rat) | = 5 mL/kg (Rabbit) | > 0.057 mg/L (Rat) 8 h |
| Monoethanolamine | = 1720 mg/kg (Rat) | = 1 mL/kg (Rabbit) = 1000 mg/kg (Rabbit) | |
| Octanoic Acid | = 10080 mg/kg (Rat) | > 5 g/kg (Rabbit) | |

| | |
|--|--------------------------------|
| Skin corrosion/irritation | Not classified. |
| Serious eye damage/eye irritation | Causes serious eye irritation. |
| 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

Harmful to aquatic life with long lasting effects.

| Chemical name | Algae/aquatic plants | Fish | Crustacea |
|----------------------------------|--|---|--|
| Ethylene glycol monophenyl ether | 500: 72 h <i>Desmodesmus subspicatus</i> mg/L EC50 | 220 - 460: 96 h <i>Leuciscus idus</i> mg/L LC50 static 366: 96 h <i>Pimephales promelas</i> mg/L LC50 static 337 - 352: 96 h <i>Pimephales promelas</i> mg/L LC50 flow-through | 500: 48 h <i>Daphnia magna</i> mg/L EC50 |
| Benzyl alcohol | 35: 3 h <i>Anabaena variabilis</i> mg/L EC50 | 460: 96 h <i>Pimephales promelas</i> mg/L LC50 static 10: 96 h <i>Lepomis macrochirus</i> mg/L LC50 static | 23: 48 h water flea mg/L EC50 |
| Monoethanolamine | 15: 72 h <i>Desmodesmus subspicatus</i> mg/L EC50 | 300 - 1000: 96 h <i>Lepomis macrochirus</i> mg/L LC50 static 227: 96 h <i>Pimephales promelas</i> mg/L LC50 flow-through 200: 96 h <i>Oncorhynchus mykiss</i> mg/L LC50 flow-through 3684: 96 h <i>Brachydanio rerio</i> mg/L LC50 static 114 - 196: 96 h <i>Oncorhynchus mykiss</i> mg/L LC50 static | 65: 48 h <i>Daphnia magna</i> mg/L EC50 |
| Octanoic Acid | | 110: 96 h <i>Brachydanio rerio</i> mg/L LC50 semi-static 310: 96 h <i>Oryzias latipes</i> mg/L LC50 semi-static | 170: 24 h <i>Daphnia magna</i> 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 |
|----------------------------------|-----------------------|
| Ethylene glycol monophenyl ether | 1.13 |
| Benzyl alcohol | 1.1 |
| Monoethanolamine | -1.91 |
| Octanoic Acid | 2.92 |

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

Note Please see current shipping paper for most up to date shipping information, including exemptions and special circumstances

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 |
|--|------------------|-------|
| Ethylene glycol monophenyl ether 122-99-6 | RG 84 | |
| Benzyl alcohol 100-51-6 | RG 84 | |
| Monoethanolamine 141-43-5 | RG 49, RG 49bis | |

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 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

International Inventories

| Component | TSCA | DSL/NDSL | EINECS/ELINCS | PICCS | ENCS | IECSC | AICS | KECL |
|--|------|----------|---------------|-------|------|-------|------|------|
| Benzyl alcohol 100-51-6 (<10) | X | X | X | X | X | X | X | X |
| Ethylene glycol monophenyl ether 122-99-6 (<10) | X | X | X | X | X | X | X | X |
| Monoethanolamine 141-43-5 (7.5) | X | X | X | X | X | X | X | X |
| Octanoic Acid 124-07-2 (<5) | 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**Safety Data Sheet Status**

The Risk Phrases/Hazard Statements listed below in Section 16 are related to the Raw Materials (ingredients) in the Product (as listed in Section 3) and NOT only the product itself. For the Risk Phrases/Hazard Statements relating to this Product see Section 2.

Full text of H-Statements referred to under section 3

H302 - Harmful if swallowed
H312 - Harmful in contact with skin
H314 - Causes severe skin burns and eye damage
H319 - Causes serious eye irritation
H332 - Harmful if inhaled
H412 - Harmful to aquatic life with long lasting effects

Legend

SVHC: Substances of Very High Concern for Authorisation:

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

| | | | |
|---------|-----------------------------|------|----------------------------------|
| TWA | TWA (time-weighted average) | STEL | STEL (Short Term Exposure Limit) |
| Ceiling | Maximum limit value | * | Skin designation |

Classification Procedure

Calculation method
Expert judgment and weight of evidence determination

Issue Date: 27-Dec-2011

Revision Date: 23-Mar-2020

Revision Note: Regulatory update.

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