Safety Data Sheet

Issue Date: 22-Feb-2021 **Revision Date:** 22-Feb-2021 **Version** 1

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

1.1. Product Identifier

SDS # BE-5032-EU
Product Code 5032
Product Name Buckeye Revelation

Contains Benzyl alcohol, Monoethanolamine, Sodium metasilicate

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
UK Contact
Lewis Kirby, EU General Manager
12 Paskin Close
Fradley Village, NR Lichfield
Staffordshire, WS13 8NZ UK

REACH Only Representative
TSGE
TSGE@TSGEurope.com

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

For further information, please contact

Contact Point David Pinder, EU General Manager: 011447788432884
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

Skin corrosion/irritation	Category 1 Sub-category B - (H314)
Serious eye damage/eye irritation	Category 1 - (H318)
Chronic aquatic toxicity	Category 3 - (H412)

2.2. Label Elements

Product Identifier

Contains Benzyl alcohol, Monoethanolamine, Sodium metasilicate

Signal Word
Danger

Hazard statements
H314 - Causes severe skin burns and eye damage
H412 - Harmful to aquatic life with long lasting effects

Precautionary Statements - EU (§28, 1272/2008)
P260 - Do not breathe dust/fume/gas/mist/vapours/spray
P264 - Wash face, hands and any exposed skin thoroughly after handling
P280 - Wear protective gloves/protective clothing and eye/face protection
P301 + P330 + P331 - IF SWALLOWED: rinse mouth. Do NOT induce vomiting
P303 + P361 + P353 - IF ON SKIN (or hair): Take off immediately all contaminated clothing. Rinse skin with water [or shower]
P363 - Wash contaminated clothing before reuse
P304 + P340 - IF INHALED: Remove victim to fresh air and keep at rest in a position comfortable for breathing
P310 - Immediately call a POISON CENTER or doctor/physician
P305 + P351 + P338 - IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing
P310 - Immediately call a POISON CENTER or doctor/physician
P405 - Store locked up
P501 - Dispose of contents/ container to an approved waste disposal plant

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
Monoethanolamine	Present	141-43-5	10-15	Acute Tox. 4 (H302) Acute Tox. 4 (H312) Acute Tox. 4 (H332) Skin Corr. 1B (H314)	Not determined
Benzyl alcohol	Present	100-51-6	5-10	Acute Tox. 4 (H302) Acute Tox. 4 (H332)	Not determined
Ethylene glycol monophenyl ether	Present	122-99-6	5-10	Acute Tox. 4 (H302) Eye Irrit. 2 (H319)	Not determined
Sodium metasilicate	Present	6834-92-0	1-5	Skin Corr. 1B (H314) STOT SE 3 (H335)	Not determined
Sodium hydroxide	Present	1310-73-2	1-5	Skin Corr. 1A (H314)	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 >=0.1% (Regulation (EC) No. 1907/2006 (REACH), Article 59)

Section 4: FIRST AID MEASURES

4.1. Description of First Aid Measures

Eye Contact IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. Immediately call a poison center or doctor/physician.

Skin Contact IF ON SKIN (or hair): Remove/Take off immediately all contaminated clothing. Rinse skin with water/shower. Wash contaminated clothing before reuse. Get medical attention if irritation develops or persists.

Inhalation IF INHALED: Remove victim to fresh air and keep at rest in a position comfortable for breathing. Immediately call a poison center or doctor/physician.

Ingestion IF SWALLOWED: rinse mouth. Do NOT induce vomiting. Drink 2-3 large glasses of water. Immediately call a poison center or doctor/physician. Never give anything by mouth to an unconscious person.

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

Symptoms Causes severe skin burns and eye damage. May be irritating to the mouth, throat, esophagus and gastrointestinal system.

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. 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 protection recommended in Section 8.

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
Handle in accordance with good industrial hygiene and safety practice. Use personal protection recommended in Section 8. Avoid contact with skin, eyes or clothing. Wash face, hands and any exposed skin thoroughly after handling. Do not breathe dust/fume/gas/mist/vapours/spray. Keep containers closed when not in use.

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 containers tightly closed in a dry, cool and well-ventilated place. Store locked up. Do not store near acids. Store on low shelves. Store at room temperature.

Packaging Materials Rinse container before discarding.

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

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*
Sodium hydroxide 1310-73-2	-	STEL: 2 mg/m^3	TWA: 2 mg/m^3	STEL: 2 mg/m^3	-
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
Sodium hydroxide 1310-73-2	-	Ceiling: 2 mg/m^3	-	Ceiling: 2 mg/m^3	Ceiling: 2 mg/m^3
Chemical name	**Austria**	**Switzerland**	**Poland**	**Norway**	**Ireland**
Monoethanolamine 141-43-5	STEL 3 ppm STEL 7.6 mg/m^3	STEL: 4 ppm STEL: 10 mg/m^3	STEL: 7.5 mg/m^3 TWA: 2.5 mg/m^3	TWA: 1 ppm TWA: 2.5 mg/m^3	TWA: 1 ppm TWA: 2.5 mg/m^3

	TWA: 1 ppm TWA: 2.5 mg/m^3	TWA: 2 ppm TWA: 5 mg/m^3		Skin STEL: 2 ppm STEL: 5 mg/m^3	STEL: 3 ppm STEL: 7.6 mg/m^3 Skin
Sodium hydroxide 1310-73-2	STEL 4 mg/m^3 TWA: 2 mg/m^3	STEL: 2 mg/m^3 TWA: 2 mg/m^3	STEL: 1 mg/m^3 TWA: 0.5 mg/m^3	Ceiling: 2 mg/m^3	STEL: 2 mg/m^3

8.2. Exposure Controls

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

Personal Protective Equipment

Eye/Face Protection Splash goggles or safety glasses.

Hand Protection Rubber gloves.

Skin and Body Protection Normal work clothing (long sleeved shirts and long pants) is recommended. Wear water or chemical resistant footwear when scrubbing floors.

Respiratory Protection No protection is ordinarily required under normal conditions of use and with adequate ventilation.

Section 9: PHYSICAL AND CHEMICAL PROPERTIES

9.1. Information on Basic Physical and Chemical Properties

Physical state Liquid

Appearance Clear red solution

Colour Clear red

Odour Rose floral fragrance

Odour Threshold Not determined

Property	Values	Remarks • Method
pH	11.8 - 12.2 (conc.) 10.9 - 11.3 (1:10 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	(n-BuAc =1)
Flammability (Solid, Gas)	Liquid-Not applicable	
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	1.03	
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 recommended storage 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
Carbon oxides. Nitrogen oxides (NOx). Sulphur oxides.

Section 11: TOXICOLOGICAL INFORMATION

11.1. Information on Toxicological Effects

Acute toxicity

Product Information

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Inhalation	Avoid breathing vapours or mists.
Eye Contact	Avoid contact with eyes.
Skin Contact	Avoid contact with skin.
Ingestion	May be harmful if swallowed.

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

ATEmix (oral)	2,698.80 mg/kg
ATEmix (dermal)	5,013.80 mg/kg
ATEmix (inhalation-dust/mist)	5.66 mg/L

Unknown Acute Toxicity

41.7 % of the mixture consists of ingredient(s) of unknown toxicity.
0 % of the mixture consists of ingredient(s) of unknown acute oral toxicity.
12.7 % of the mixture consists of ingredient(s) of unknown acute dermal toxicity.
32.7 % of the mixture consists of ingredient(s) of unknown acute inhalation toxicity (gas).
41.7 % of the mixture consists of ingredient(s) of unknown acute inhalation toxicity (vapour).
20.7 % of the mixture consists of ingredient(s) of unknown acute inhalation toxicity (dust/mist).

Component Information

Chemical name	Oral LD50	Dermal LD50	Inhalation LC50
Monoethanolamine	= 1720 mg/kg (Rat)	= 1 mL/kg (Rabbit) = 1000 mg/kg (Rabbit)	
Benzyl alcohol	= 1230 mg/kg (Rat)	= 2 g/kg (Rabbit)	= 8.8 mg/L (Rat) 4 h
Sodium xylenesulfonate	= 1000 mg/kg (Rat)		
Ethylene glycol monophenyl ether	= 1850 mg/kg (Rat)	= 5 mL/kg (Rabbit)	> 0.057 mg/L (Rat) 8 h
Sodium dodecyl benzene sulphonate	= 438 mg/kg (Rat)		
Sodium metasilicate	= 1153 mg/kg (Rat)		
Sodium hydroxide	= 325 mg/kg (Rat)	= 1350 mg/kg (Rabbit)	

Skin corrosion/irritation Causes severe skin burns.

Serious eye damage/eye irritation Causes severe eye damage.

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
Monoethanolamine	15: 72 h Desmodesmus subspicatus mg/L EC50	300 - 1000: 96 h Lepomis macrochirus mg/L LC50 static 227: 96 h Pimephales promelas mg/L LC50 flow-through 200: 96 h Oncorhynchus mykiss mg/L LC50 flow-through 3684: 96 h Brachydanio rerio mg/L LC50 static 114 - 196: 96 h Oncorhynchus mykiss mg/L LC50 static	65: 48 h Daphnia magna mg/L EC50
Benzyl alcohol	35: 3 h Anabaena variabilis mg/L EC50	460: 96 h Pimephales promelas mg/L LC50 static 10: 96 h Lepomis macrochirus mg/L LC50 static	23: 48 h water flea mg/L EC50
Ethylene glycol monophenyl ether	500: 72 h Desmodesmus subspicatus mg/L EC50	220 - 460: 96 h Leuciscus idus mg/L LC50 static 366: 96 h Pimephales promelas mg/L LC50 static 337 - 352: 96 h Pimephales promelas mg/L LC50 flow-through	500: 48 h Daphnia magna mg/L EC50
Sodium metasilicate		210: 96 h Brachydanio rerio mg/L LC50 semi-static 210: 96 h Brachydanio rerio mg/L LC50	216: 96 h Daphnia magna mg/L EC50
Sodium hydroxide		45.4: 96 h Oncorhynchus mykiss mg/L LC50 static	

12.2. Persistence and Degradability

Not determined.

12.3. Bioaccumulative Potential

Chemical name	Partition coefficient
Monoethanolamine	-1.91
Benzyl alcohol	1.1
Ethylene glycol monophenyl ether	1.13

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

14.1 UN number UN1760
14.2 Proper Shipping Name Corrosive Liquid, n.o.s. (Monoethanolamine)
14.3 Transport hazard class(es) 8
14.4 Packing Group II

RID

14.1 UN/ID No UN1760
14.2 Proper Shipping Name Corrosive Liquid, n.o.s. (Monoethanolamine)
14.3 Transport hazard class(es) 8
14.4 Packing Group II

ADR

14.1 UN number UN1760
14.2 Proper Shipping Name Corrosive Liquid, n.o.s. (Monoethanolamine)
14.3 Transport hazard class(es) 8
14.4 Packing Group II

IATA

14.1 UN number UN1760
14.2 Proper Shipping Name Corrosive Liquid, n.o.s. (Monoethanolamine)
14.3 Transport hazard class(es) 8
14.4 Packing Group II

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

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

International Inventories
Not determined.

Chemical name	TSCA	DSL/NDSL	EINECS/ELINCS	PICCS	ENCS	IECSC	AICS	KECL
Monoethanolamine 141-43-5 (10-15)	X	X	X	X	X	X	X	X
Benzyl alcohol 100-51-6 (5-10)	X	X	X	X	X	X	X	X
Sodium xylenesulfonate 1300-72-7 (5-10)	X	X	X	X	X	X	X	X
Ethylene glycol monophenyl ether 122-99-6 (5-10)	X	X	X	X	X	X	X	X
Sodium dodecyl benzene sulphonate 25155-30-0 (1-5)	X	X	X	X	X	X	X	X
Sodium metasilicate 6834-92-0 (1-5)	X	X	X	X	X	X	X	X
Sodium hydroxide 1310-73-2 (1-5)	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

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
H335 - May cause respiratory irritation

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

Issue Date: 22-Feb-2021

Revision Date: Not determined

Revision Note: Reformulation.

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