



Safety Data Sheet

Issue Date: 27-Dec-2011

Revision Date: 09-May-2016

Version 1

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

1.1. Product Identifier

SDS #	BE-5050-EU
Product Code	5050
Product Name	Buckeye XL-100

1.2. Relevant Identified Uses of the Substance or Mixture and Uses Advised Against

Recommended Use	Heavy duty degreaser/ cleaner Waterbased
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1.3. Details of the Supplier of the Safety Data Sheet

Importer	Manufacturer	Supplier
UK Contact David Pinder, EU General Manager 12 Paskin Close Fradley Village, NR Lichfield Staffordshire, WS13 8NZ UK	TSGE TSGE@TSGEurope.com	Buckeye International, Inc. 2700 Wagner Place Maryland Heights, MO 63043 USA

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)	1-651-632-8956 (International) 1-800-303-0441 (North America) INFOTRAC 1-352-323-3500 (International) 1-800-535-5053 (North America)
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Section 2: HAZARDS IDENTIFICATION

2.1. Classification of the Substance or Mixture

Regulation (EC) No 1272/2008

Skin corrosion/irritation	Category 2 - (H315)
Serious eye damage/eye irritation	Category 1 - (H318)
Chronic aquatic toxicity	Category 2 - (H411)

2.2. Label Elements

Product Identifier

**Signal Word**

Danger

Hazard statements

H315 - Causes skin irritation

H318 - Causes serious eye damage

H411 - Toxic 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 protective gloves and eye/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

P310 - Immediately call a POISON CENTER or doctor/physician

P302 + P352 - IF ON SKIN: Wash with plenty of water

P362 - Take off contaminated clothing and wash before reuse

P332 + P313 - If skin irritation occurs: Get medical advice/attention

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
Poly(oxy-1,2-ethanediyl), a-undecyl-w-hydroxy-	-	34398-01-1	<5	Skin Irrit. 2 (H315) Eye Dam. 1 (H318) (self-classification)	Not determined
Tetrasodium EDTA	Present	64-02-8	<5	Acute Tox. 4 (H302) Eye Dam. 1 (H318)	Not determined
Caustic Soda	Present	1310-73-2	<1	Skin Corr. 1A (H314)	Not determined
Triethanolamine	Present	102-71-6	<1	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.
Inhalation	Remove to fresh air.
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 Causes serious eye irritation. Causes skin irritation.

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

Notes to Physician Treat symptomatically.

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.
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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

Use personal protection recommended in Section 8. Avoid release to the environment. Keep out of the reach of children. Wash face, hands, and any exposed skin thoroughly after handling. Avoid contact with skin, eyes or clothing.

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.

7.3. Specific End Use(s)

Specific Use(s)

Heavy duty degreaser/ cleaner. Waterbased.

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
Caustic Soda 1310-73-2	-	STEL: 2 mg/m ³	TWA: 2 mg/m ³	STEL: 2 mg/m ³	-
Triethanolamine 102-71-6	-	-	-	TWA: 5 mg/m ³	-
Chemical Name	Italy	Portugal	Netherlands	Finland	Denmark
Caustic Soda 1310-73-2	-	Ceiling: 2 mg/m ³	-	STEL: 2 mg/m ³ Ceiling: 2 mg/m ³	Ceiling: 2 mg/m ³
Triethanolamine 102-71-6	-	TWA: 5 mg/m ³	-	TWA: 5 mg/m ³	TWA: 0.5 ppm TWA: 3.1 mg/m ³
Chemical Name	Austria	Switzerland	Poland	Norway	Ireland
Caustic Soda 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
Triethanolamine 102-71-6	STEL 1.6 ppm STEL 10 mg/m ³ TWA: 0.8 ppm TWA: 5 mg/m ³	STEL: 20 mg/m ³ TWA: 5 mg/m ³	-	TWA: 5 mg/m ³ STEL: 10 mg/m ³	TWA: 5 mg/m ³ STEL: 15 mg/m ³

8.2. Exposure Controls

Engineering Controls

Ventilation systems.

Personal Protective Equipment

Eye/Face Protection

Risk of contact: Wear approved safety goggles.

Hand Protection

Rubber gloves.

Skin and Body Protection

Wear water or chemical resistant footwear when scrubbing floors.

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		
Appearance	Clear green liquid	Odour	Citrus
Colour	Clear green	Odour Threshold	Not determined
<u>Property</u>	<u>Values</u>	<u>Remarks • Method</u>	
pH	12.5 ± 0.2 (conc) 11.6 ± 0.2 (1:10 dilution)		
Melting Point/Freezing Point	Not determined		
Boiling Point/Boiling Range	100 °C / 212 °F		
Flash Point	None		
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	1.01		
Water Solubility	Infinite		
Solubility(ies)	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	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 Polymerization

Hazardous polymerization does not occur.

Possibility of Hazardous Reactions

None under normal processing.

10.4. Conditions to Avoid

See Sec. 7 Handling & Storage.

10.5. Incompatible Materials

Chlorine bleach.

10.6. Hazardous Decomposition Products

Carbon oxides.

Section 11: TOXICOLOGICAL INFORMATION

11.1. Information on Toxicological Effects

Acute Toxicity

Product Information

Inhalation	Avoid inhalation of vapors.
Eye Contact	Causes serious eye damage.
Skin Contact	Causes skin irritation.
Ingestion	Do not ingest.

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

ATEmix (oral)	6,101.00 mg/kg
ATEmix (dermal)	91,368.80 mg/kg

Unknown Acute Toxicity

- 19.33% of the mixture consists of ingredient(s) of unknown toxicity.
- 3.33 % of the mixture consists of ingredient(s) of unknown acute oral toxicity.
- 14.33 % of the mixture consists of ingredient(s) of unknown acute dermal toxicity.
- 19.33 % of the mixture consists of ingredient(s) of unknown acute inhalation toxicity (gas).
- 19.33 % of the mixture consists of ingredient(s) of unknown acute inhalation toxicity (vapor).
- 19.33 % of the mixture consists of ingredient(s) of unknown acute inhalation toxicity (dust/mist).

Component Information

Chemical Name	ATEmix (oral)	ATEmix (dermal)	Inhalation LC50
Sodium xylenesulfonate	= 1000 mg/kg (Rat)		
Dipropylene glycol monobutyl ether	= 1620 µL/kg (Rat)	= 5860 µL/kg (Rabbit)	= 42.1 ppm (Rat) 4 h
Tetrasodium EDTA	= 10 g/kg (Rat) = 1658 mg/kg (Rat)		
Caustic Soda		= 1350 mg/kg (Rabbit)	
Triethanolamine	= 4190 mg/kg (Rat)	> 20 mL/kg (Rabbit) > 16 mL/kg (Rat)	
Sodium metasilicate	= 1153 mg/kg (Rat)		

Skin corrosion/irritation	Causes skin irritation.
Serious eye damage/eye irritation	Causes serious eye damage.
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

Toxic to aquatic life with long lasting effects.

Chemical Name	Algae/aquatic plants	Fish	Crustacea
Tetrasodium EDTA	1.01: 72 h <i>Desmodesmus subspicatus</i> mg/L EC50	41: 96 h <i>Lepomis macrochirus</i> mg/L LC50 static 59.8: 96 h <i>Pimephales promelas</i> mg/L LC50 static	610: 24 h <i>Daphnia magna</i> mg/L EC50
Caustic Soda		45.4: 96 h <i>Oncorhynchus mykiss</i> mg/L LC50 static	
Triethanolamine	216: 72 h <i>Desmodesmus subspicatus</i> mg/L EC50 169: 96 h <i>Desmodesmus subspicatus</i> mg/L EC50	450 - 1000: 96 h <i>Lepomis macrochirus</i> mg/L LC50 static 1000: 96 h <i>Pimephales promelas</i> mg/L LC50 static 10600 - 13000: 96 h <i>Pimephales promelas</i> mg/L LC50 flow-through	1386: 24 h <i>Daphnia magna</i> mg/L EC50

12.2. Persistence and Degradability

Not determined.

12.3. Bioaccumulative Potential

Chemical Name	Partition Coefficient
Triethanolamine	-2.53

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/ID No Not regulated

RID

14.1 UN/ID No Not regulated

ADR

14.1 UN/ID No Not regulated

IATA

14.1 UN/ID No 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
Triethanolamine 102-71-6	RG 49	

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

International Inventories

Component	TSCA	DSL/NDSL	EINECS/ELINCS	PICCS	ENCS	IECSC	AICS	KECL
Poly(oxy-1,2-ethanediy l), a-undecyl-w-hydroxy- 34398-01-1 (<5)	X	X	X	X	Present	X	X	Present
Tetrasodium EDTA 64-02-8 (<5)	X	X	X	X	Present	X	X	Present
Caustic Soda 1310-73-2 (<1)	X	X	X	X	Present	X	X	Present
Triethanolamine 102-71-6 (<1)	X	X	X	X	Present	X	X	Present

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

H314 - Causes severe skin burns and eye damage

H302 - Harmful if swallowed

H318 - Causes serious eye damage

H315 - Causes skin irritation

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:** 09-May-2016**Revision Note:** New format.

This safety data sheet complies with the requirements of Regulation (EC) No. 1907/2006, as amended by Regulation (EU) No. 453/2010

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