

MATERIAL SAFETY DATA SHEET

MSDS Date: January 28, 2013

Product Code: 6023

SECTION 1: PRODUCT AND COMPANY IDENTIFICATION

PRODUCT NAME: BUCKEYE ECO NEUTRAL DISINFECTANT
PRODUCT CODE: 6023

MANUFACTURER: Buckeye International, Inc.
ADDRESS: 2700 Wagner Place
Maryland Heights, MO 63043

TELEPHONE: 011 (314) 291-1900

UK CONTACT
DAVID PINDER, EU GENERAL MANAGER
12 PASKIN CLOSE
FRADLEY VILLAGE, NR LICHFIELD
STAFFORDSHIRE, WS13 8NZ UK
011447788432884

MEDICAL EMERGENCY PHONE: 1-800-303-0441. Outside North America call: 651-632-8956.
TRANSPORTATION EMERGENCY PHONE: 1-800-535-5053. Outside North America call: 352-323-3500.

CHEMICAL FAMILY: Cleaner Disinfectant, Water Based

PREPARED BY: Scott Maag, Vice President of Operations

SECTION 2: HAZARDS IDENTIFICATION

DANGER - Corrosive. Causes irreversible eye damage and skin burns. Harmful if inhaled or swallowed.

Classification: C; S2, S23, S26/27/28, S36/37/39, S62
Xn; R20, R22, R34, R41
P262, P361+363, P310+331
H302, H314, H332



The full text for all R-Phrases and S-Phrases (P and H equivalents) are displayed in Section 16

SECTION 3: COMPOSITION/INFORMATION ON INGREDIENTS

| INGREDIENT: | CAS NO. | % WT | EC # or on List? | OSHA PEL | ACGIH TLV |
|---------------------------------------|------------|--------|------------------|----------|-----------|
| Blend of Didecyl Dimethyl and n-Alkyl | 7173-51-5 | 16.9 | 230-525-2 | NE | NE |
| Dimethyl Benzyl Ammonium Chloride | 68424-85-1 | | 270-325-2 | NE | NE |
| Soft Water | 7732-18-5 | >71.10 | 270-331-5 | NE | NE |
| Alcohol Ethoxylate | 84133-50-6 | <5.0 | Yes | NE | NE |
| Ethylenediaminetetraacetic Acid | 60-00-4 | <5.0 | 200-449-4 | NE | NE |
| Coloring, Perfume and Additives <1% | NA | <2.0 | NA | NA | NA |

SECTION 4: FIRST AID MEASURES

Call a poison control center or doctor immediately for treatment advice.

EYES: Hold eye open and rinse slowly and gently with water for 15-20 minutes. Remove contact lenses, if present, after the first five minutes, then continue rinsing eye. Get medical attention.

IF ON SKIN OR CLOTHING: Take off contaminated clothing. Rinse skin immediately with plenty of water for 15-20 minutes.

INHALATION: Move person to fresh air. If person is not breathing, call 911 or an ambulance, then give artificial respiration, preferably by mouth-to-mouth if possible.

INGESTION: Call a poison control center or doctor immediately for treatment advice. Have person sip a glass of water if able to swallow. Do NOT induce vomiting unless told to do so by the poison control center or doctor. Do not give anything by mouth to an unconscious person.

NOTES TO PHYSICIANS OR FIRST AID PROVIDERS: Probable mucosal damage may contraindicate the use of gastric lavage. Measures against circulatory shock, respiratory depression and convulsion may be needed.

SECTION 5: FIRE-FIGHTING MEASURES

EXTINGUISHING MEDIA: NA

SPECIAL FIRE FIGHTING PROCEDURES: None

UNUSUAL FIRE AND EXPLOSION HAZARDS: Products of combustion. Oxides of carbon and nitrogen

HAZARDOUS DECOMPOSITION PRODUCTS: None Known

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SECTION 6: ACCIDENTAL RELEASE MEASURES

ACCIDENTAL RELEASE MEASURES: Pick up with mop, wet/dry vac or absorbent material. Rinse area with clear water and allow floor to dry before allowing traffic.

SECTION 7: HANDLING AND STORAGE

HANDLING AND STORAGE: KEEP OUT OF THE REACH OF CHILDREN! Store in original container in areas inaccessible to children. Rinse container before discarding. Do not reuse empty container. Discard in trash or recycle. Keep container closed when not in use.

OTHER PRECAUTIONS: Avoid food contamination

SECTION 8: EXPOSURE CONTROLS/PERSONAL PROTECTION

ENGINEERING CONTROLS: NA

VENTILATION: Maintain adequate room ventilation

RESPIRATORY PROTECTION: None normally required. Avoid breathing spray mist

EYE PROTECTION: Wear protective eyewear (goggles or face shield or safety glasses).

SKIN PROTECTION: Rubber gloves or other impervious gloves. Avoid contact with skin or clothing.

OTHER PROTECTIVE CLOTHING OR EQUIPMENT: Footwear that keeps feet dry is suggested.

WORK HYGIENIC PRACTICES: Wash thoroughly with soap and water after handling. Remove contaminated clothing and wash clothing before reuse.

EXPOSURE GUIDELINES: NA

SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES

FLAMMABLE LIMITS IN AIR, UPPER: NA
(% BY VOLUME) LOWER: NA

FLASH POINT:

F: ~200°

C: 93°

METHOD USED: Tag Closed Cup

AUTOIGNITION TEMPERATURE: NA

APPEARANCE: Clear Green Solution

ODOR: Clean and Fresh Fragrance

PHYSICAL STATE: Liquid

pH AS SUPPLIED: 7.6 ± 0.2

pH: (Dilution in DI Water 1:256) 7.0 ± 0.2

BOILING POINT:

F: 212°

C: 100°

FREEZING POINT:

F: 32°

C: 0°

VAPOR PRESSURE (mmHg): NA

@

C:

SPECIFIC GRAVITY (H₂O = 1): 1.00

@

C: 20°

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SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES (Cont.)

EVAPORATION RATE (H20=1): 1.0

SOLUBILITY IN WATER: Infinite

PERCENT SOLIDS BY WEIGHT: 22.5

PERCENT VOLATILE: 77.5

BY WT/
@ C: 20°

SECTION 10: STABILITY AND REACTIVITY

STABILITY: Stable

CONDITIONS TO AVOID (STABILITY): None known

INCOMPATIBILITY (MATERIAL TO AVOID): Do not mix with chlorine bleach or anionic detergents.

HAZARDOUS DECOMPOSITION OR BY-PRODUCTS: None known

HAZARDOUS POLYMERIZATION: Will not occur

CONDITIONS TO AVOID (POLYMERIZATION): NA

SECTION 11: TOXICOLOGICAL INFORMATION

TOXICOLOGICAL INFORMATION: NA

SECTION 12: ECOLOGICAL INFORMATION

ECOLOGICAL INFORMATION: Results of open literature, unpublished studies and individual private studies supports the position that quaternary compounds are biodegradable.

SECTION 13: DISPOSAL CONSIDERATIONS

WASTE DISPOSAL METHOD: Flush to sanitary sewer or send to sanitary landfill, following Local Authority requirements.

RCRA HAZARD CLASS: NA

SECTION 14: TRANSPORT INFORMATION

U.S. DEPARTMENT OF TRANSPORTATION: Not Regulated

PROPER SHIPPING NAME:

HAZARD CLASS:

ID NUMBER:

PACKING GROUP:

LABEL STATEMENT:

SHIPPING DISCRIPTION: Disinfectant, Liquid, NOIBN

WATER TRANSPORTATION: Not Regulated

PROPER SHIPPING NAME:

HAZARD CLASS:

ID NUMBER:

PACKING GROUP:

LABEL STATEMENTS:

SHIPPING DISCRIPTION: Disinfectant, Liquid, NOIBN

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SECTION 14: TRANSPORT INFORMATION (Cont.)

AIR TRANSPORTATION: Not Regulated
PROPER SHIPPING NAME:
HAZARD CLASS:
ID NUMBER:
PACKING GROUP:
LABEL STATEMENTS:

SHIPPING DESCRIPTION: Disinfectant, Liquid, NOIBN

SECTION 15: REGULATORY INFORMATION

SARA TITLE III (SUPERFUND AMENDMENTS AND REAUTHORIZATION ACT):

311/312 HAZARD CATEGORIES: If more than 10,000 lbs. is stored in a single day, product may require reporting under SARA Title III, Section 311/312 as an immediate health hazard.

313 REPORTABLE INGREDIENTS: None



SECTION 15 NOTES: This preparation was classified in compliance with the following directives and regulations:
(EC) No 1272/2008 (CLP)
1999/45/EC

REACH: 'Only Representative' TSGE - TSGE@TSGEurope.com

SECTION 16: OTHER INFORMATION

OTHER INFORMATION: NA = Not Applicable or Not Available

Safety Phrases: S2 Keep out of reach of children
S23 Do not breathe spray mist

S26/27/28 P361+363 After contact with eyes and skin, take off immediately all contaminated clothing, and flush with water, get medical attention

S36/37/39 P262 Wear suitable protective clothing, gloves and eye/face protection

S62 P310+331 If swallowed, do not induce vomiting; seek medical advice immediately and show this container or label

Risk Phrases: R20 H332 Harmful if inhaled
R22 H302 Harmful if swallowed
R34+41 H314 Causes burns ; Danger of serious eye damage

NFPA HAZARD CLASSIFICATION

HEALTH: 3 FLAMMABILITY: 1 INSTABILITY: 0
OTHER:

HMIS HAZARD CLASSIFICATION

HEALTH: 3 FLAMMABILITY: 1 INSTABILITY: 0
PROTECTION:

PREPARATION INFORMATION:

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