# SAFETY DATA SHEET

## 1. Product and Company Identification

**Product identifier** **Cutek Proclean**

**Other means of identification** Not available.

**Recommended use** Wood Cleaner

**Recommended restrictions** None known.

**Manufacturer/Importer/Supplier/Distributor information**

**Manufacturer**

**Company name** CUTEK America LLC

**Address** 6810 Tordera St
Coral Gables, FL 33146
United States

**Telephone** 786-650-4155

**E-mail** Not available.

**Emergency phone number** CHEMTREC 1-800-424-9300

## 2. Hazards Identification

**Physical hazards** Not classified.

**Health hazards** Not classified.

**Environmental hazards** Not classified.

**OSHA defined hazards** Not classified.

**Label elements**

**Hazard symbol** None.

**Signal word** None.

**Hazard statement** The product and/or mixture does not meet the criteria for classification.

**Precautionary statement**

**Prevention** Follow good hygienic and housekeeping practices.

**Response** Use according to package label instructions.

**Storage** Store according to package label instructions.

**Disposal** Dispose of contents/container in accordance with local/regional/national/international regulations.

**Hazard(s) not otherwise classified (HNOC)** None known.

**Supplemental information** This product is not subject to 29 CFR HCS 1910.1200 regulations.
The following HCS exemptions for consumer products apply; 29 CFR 1910.1200(b)(5)(v) and (b)(6)(ix).

## 3. Composition/Information on Ingredients

**Mixtures**

| Chemical name | Common name and synonyms | CAS number | % |
|---|---|---|---|
| Oxalic acid | | 144-62-7 | 7 - 13 |
| Diethylene glycol monobutyl ether | | 112-34-5 | 1 - 5 |
| Ethanol, 2-butoxy- | | 111-76-2 | 1 - 5 |
| Sodium dodecylbenzenesulfonate | | 68081-81-2 | 0.5 - 1.5 |

**Composition comments** Not applicable to consumer products. Refer to product label for ingredient content.

## 4. First Aid Measures

**Inhalation** If inhaled: Remove person to fresh air and keep comfortable for breathing.
If symptoms persist, obtain medical attention.

**Skin contact** Take off immediately all contaminated clothing. Rinse skin with water/shower. Immediately call a poison center/doctor/. Chemical burns must be treated by a physician.

| | |
|---|---|
| **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/doctor/. |
| **Ingestion** | If swallowed: Rinse mouth. Do NOT induce vomiting. Immediately call a poison center/doctor/. If vomiting occurs naturally, have victim lean forward to reduce risk of aspiration. Never give anything by mouth if victim is unconscious, or is convulsing. |
| **Most important symptoms/effects, acute and delayed** | Burning pain and severe corrosive skin damage.<br>Causes serious eye damage. Permanent eye damage including blindness could result.<br>Symptoms may include stinging, tearing, redness, swelling, and blurred vision.<br>Inhalation of vapour can cause respiratory tract irritation or chemical burns.<br>Harmful if swallowed. Causes chemical burns to mouth, throat and stomach. |
| **Indication of immediate medical attention and special treatment needed** | Treat patient symptomatically.<br>Chemical burns: Flush with water immediately. While flushing, remove clothes which do not adhere to affected area. Call an ambulance. Continue flushing during transport to hospital. |
| **General information** | If you feel unwell, seek medical advice (show the label where possible). Ensure that medical personnel are aware of the material(s) involved, and take precautions to protect themselves. Show this safety data sheet to the doctor in attendance. Do not get in eyes, on skin or clothing. Keep out of reach of children. |

## 5. Fire Fighting Measures

| | |
|---|---|
| **Suitable extinguishing media** | Foam. Powder. Carbon dioxide (CO2). |
| **Unsuitable extinguishing media** | Do not use water jet as an extinguisher, as this will spread the fire. |
| **Specific hazards arising from the chemical** | During fire, gases hazardous to health may be formed. |
| **Special protective equipment and precautions for firefighters** | Self-contained breathing apparatus and full protective clothing must be worn in case of fire. |
| **Fire fighting equipment/instructions** | Move containers from fire area if you can do so without risk. |
| **Specific methods** | Use standard firefighting procedures and consider the hazards of other involved materials. |
| **General fire hazards** | No unusual fire or explosion hazards noted. |

## 6. Accidental Release Measures

| | |
|---|---|
| **Personal precautions, protective equipment and emergency procedures** | Keep unnecessary personnel away. Keep people away from and upwind of spill/leak. Wear appropriate protective equipment and clothing during clean-up. Do not breathe mist or vapor. Do not touch damaged containers or spilled material unless wearing appropriate protective clothing. Ensure adequate ventilation. Local authorities should be advised if significant spillages cannot be contained. For personal protection, see section 8 of the SDS. |
| **Methods and materials for containment and cleaning up** | Use water spray to reduce vapors or divert vapor cloud drift. Should not be released into the environment.<br><br>Large Spills: Stop the flow of material, if this is without risk. Dike the spilled material, where this is possible. Cover with plastic sheet to prevent spreading. Absorb in vermiculite, dry sand or earth and place into containers. Following product recovery, flush area with water.<br><br>Small Spills: Wipe up with absorbent material (e.g. cloth, fleece). Clean surface thoroughly to remove residual contamination.<br><br>Never return spills to original containers for re-use. For waste disposal, see section 13 of the SDS. |
| **Environmental precautions** | Do not discharge into lakes, streams, ponds or public waters. Prevent further leakage or spillage if safe to do so. |

## 7. Handling and Storage

| | |
|---|---|
| **Precautions for safe handling** | DANGER -- CORROSIVE<br>Do not get in eyes, on skin, or on clothing.<br>Do not breathe mist or vapor.<br>Use with adequate ventilation.<br>Avoid prolonged exposure.<br><br>Wear appropriate personal protective equipment.<br>Use good industrial hygiene practices in handling this material.<br>Wash thoroughly after handling.<br>When using do not eat or drink. |
| **Conditions for safe storage, including any incompatibilities** | Store locked up.<br>Keep container tightly closed.<br>Store away from incompatible materials (see Section 10 of the SDS).<br>Keep out of reach of children. |

## 8. Exposure Controls/Personal Protection

**Occupational exposure limits**

**US. OSHA Table Z-1 Limits for Air Contaminants (29 CFR 1910.1000)**

| Components | Type | Value |
|---|---|---|
| Ethanol, 2-butoxy- (CAS 111-76-2) | PEL | 240 mg/m3 |
| | | 50 ppm |
| Oxalic acid (CAS 144-62-7) | PEL | 1 mg/m3 |

**US. ACGIH Threshold Limit Values**

| Components | Type | Value | Form |
|---|---|---|---|
| Diethylene glycol monobutyl ether (CAS 112-34-5) | TWA | 10 ppm | Inhalable fraction and vapor. |
| Ethanol, 2-butoxy- (CAS 111-76-2) | TWA | 20 ppm | |
| Oxalic acid (CAS 144-62-7) | STEL | 2 mg/m3 | |
| | TWA | 1 mg/m3 | |

**US. NIOSH: Pocket Guide to Chemical Hazards**

| Components | Type | Value |
|---|---|---|
| Ethanol, 2-butoxy- (CAS 111-76-2) | TWA | 24 mg/m3 |
| | | 5 ppm |
| Oxalic acid (CAS 144-62-7) | STEL | 2 mg/m3 |
| | TWA | 1 mg/m3 |

**Biological limit values**

**ACGIH Biological Exposure Indices**

| Components | Value | Determinant | Specimen | Sampling Time |
|---|---|---|---|---|
| Ethanol, 2-butoxy- (CAS 111-76-2) | 200 mg/g | Butoxyacetic acid (BAA), with hydrolysis | Creatinine in urine | * |

* - For sampling details, please see the source document.

**Exposure guidelines** See above

**US. NIOSH: Pocket Guide to Chemical Hazards**

Ethanol, 2-butoxy- (CAS 111-76-2) Can be absorbed through the skin.

**US. OSHA Table Z-1 Limits for Air Contaminants (29 CFR 1910.1000)**

Ethanol, 2-butoxy- (CAS 111-76-2) Can be absorbed through the skin.

**Appropriate engineering controls** Consult the product label for special protection or precautions that have been identified for using this product under directed consumer use conditions. The following recommendations are given for workplace employees, emergency personnel and for other conditions and situations where there is a greater potential for large-scale or prolonged exposure.

Ensure adequate ventilation.
Eye wash facilities and emergency shower must be available when handling this product.

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

**Eye/face protection** Wear safety glasses with side shields (or goggles). Use a face shield if splashing is possible.

**Skin protection**

**Hand protection** Wear appropriate chemical resistant gloves. Confirm with a reputable supplier first.

**Other** Wear appropriate chemical resistant clothing. As required by employer code.

**Respiratory protection** Where exposure guideline levels may be exceeded, use an approved NIOSH respirator. In case of insufficient ventilation, wear suitable respiratory equipment.

**Thermal hazards** Not applicable.

**General hygiene considerations** Follow good hygienic and housekeeping practices.
Always observe good personal hygiene measures, such as washing after handling the material and before eating, drinking, and/or smoking. Routinely wash work clothing and protective equipment to remove contaminants. When using do not eat or drink.

## 9. Physical and Chemical Properties

**Appearance** Opaque

| | |
|---|---|
| **Physical state** | Liquid. |
| **Form** | Liquid. |
| **Color** | Semitransparent White |
| **Odor** | Neutral |
| **Odor threshold** | Not available. |
| **pH** | 0.4 |
| **Melting point/freezing point** | Not available. |
| **Initial boiling point and boiling range** | Not available. |
| **Pour point** | Not available. |
| **Specific gravity** | Not available. |
| **Partition coefficient (n-octanol/water)** | Not available. |
| **Flash point** | Not available. |
| **Evaporation rate** | Not available. |
| **Flammability (solid, gas)** | Not applicable. |
| **Upper/lower flammability or explosive limits** | |
| **Flammability limit - lower (%)** | Not available. |
| **Flammability limit - upper (%)** | Not available. |
| **Explosive limit - lower (%)** | Not available. |
| **Explosive limit - upper (%)** | Not available. |
| **Vapor pressure** | Not available. |
| **Vapor density** | Not available. |
| **Relative density** | Not available. |
| **Solubility(ies)** | Not available. |
| **Auto-ignition temperature** | Not available. |
| **Decomposition temperature** | Not available. |
| **Viscosity** | Not available. |
| **Other information** | |
| **Explosive properties** | Not explosive. |
| **Oxidizing properties** | Not oxidizing. |

## 10. Stability and Reactivity

| | |
|---|---|
| **Reactivity** | Reacts violently with strong alkaline substances.<br>May react with incompatible materials. |
| **Possibility of hazardous reactions** | No dangerous reaction known under conditions of normal use. |
| **Chemical stability** | Material is stable under normal conditions. |
| **Conditions to avoid** | Contact with incompatible materials. Do not mix with other chemicals. |
| **Incompatible materials** | Bases. Strong oxidizing agents. Reducing agents. |
| **Hazardous decomposition products** | May include and are not limited to: Oxides of carbon. Oxides of sulfur. |

## 11. Toxicological Information

**Information on likely routes of exposure**

| | |
|---|---|
| **Inhalation** | May cause respiratory tract irritation or chemical burns. |
| **Skin contact** | Causes severe skin burns. |
| **Eye contact** | Causes serious eye damage. |
| **Ingestion** | Causes digestive tract burns. May cause stomach distress, nausea or vomiting. |
| **Symptoms related to the physical, chemical and toxicological characteristics** | Contact with this material will cause burns to the skin, eyes and mucous membranes.<br>Causes serious eye damage. Permanent eye damage including blindness could result.<br>Symptoms may include stinging, tearing, redness, swelling, and blurred vision.<br>Burning pain and severe corrosive skin damage. |

**Information on toxicological effects**

**Acute toxicity**

| Components | Species | Test Results |
|---|---|---|
| Diethylene glycol monobutyl ether (CAS 112-34-5) | | |
| **Acute** | | |
| *Dermal* | | |
| LD50 | Rabbit | 2700 mg/kg |
| *Inhalation* | | |
| LC50 | Not available | |
| *Oral* | | |
| LD50 | Guinea pig | 2000 mg/kg |
| | Mouse | 2400 mg/kg |
| | Rabbit | 2200 mg/kg |
| | Rat | 3384 mg/kg |
| Ethanol, 2-butoxy- (CAS 111-76-2) | | |
| **Acute** | | |
| *Dermal* | | |
| LD50 | Guinea pig | 207 mg/kg |
| | Rabbit | 400 mg/kg |
| | | 220 mg/kg |
| | | 99 mg/kg |
| | Rat | 99 mg/kg |
| *Inhalation* | | |
| LC50 | Mouse | 700 ppm, 7 Hours |
| | Rat | 450 ppm, 4 Hours |
| | | 2.2 mg/L, 4 Hours |
| *Oral* | | |
| LD50 | Guinea pig | 1200 mg/kg |
| | Mouse | 1200 mg/kg |
| | Rabbit | 320 mg/kg |
| | Rat | 470 mg/kg |
| Oxalic acid (CAS 144-62-7) | | |
| **Acute** | | |
| *Dermal* | | |
| LD50 | Rabbit | 20000 mg/kg |
| *Oral* | | |
| LD50 | Rat | 1080 mg/kg |
| | | 375 mg/kg |
| Sodium dodecylbenzenesulfonate (CAS 68081-81-2) | | |
| **Acute** | | |
| *Dermal* | | |
| LD50 | Rat | > 2000 mg/kg |
| *Inhalation* | | |
| LC50 | Not available | |
| *Oral* | | |
| LD50 | Mouse | 2160 - 2250 mg/kg |
| | Rat | 1080 - 1980 mg/kg |

**Skin corrosion/irritation** Causes severe skin burns and eye damage.

**Exposure minutes** Not available.

**Erythema value** Not available.

**Oedema value** Not available.

**Serious eye damage/eye irritation** Causes serious eye damage.

**Corneal opacity value** Not available.

**Iris lesion value** Not available.

**Conjunctival reddening value** Not available.

**Conjunctival oedema value** Not available.

**Recover days** Not available.

**Respiratory or skin sensitization**

**Respiratory sensitization** Not a respiratory sensitizer.

**Skin sensitization** This product is not expected to cause skin sensitization.

**Germ cell mutagenicity** No data available to indicate product or any components present at greater than 0.1% are mutagenic or genotoxic.

**Carcinogenicity** This product is not considered to be a carcinogen by IARC, ACGIH, NTP, or OSHA. See below.

**IARC Monographs. Overall Evaluation of Carcinogenicity**

Ethanol, 2-butoxy- (CAS 111-76-2) 3 Not classifiable as to carcinogenicity to humans.

**US. National Toxicology Program (NTP) Report on Carcinogens**

Not listed.

**US. OSHA Specifically Regulated Substances (29 CFR 1910.1001-1050)**

Not regulated.

**Reproductive toxicity** This product is not expected to cause reproductive or developmental effects.

**Specific target organ toxicity - single exposure** Not classified.

**Specific target organ toxicity - repeated exposure** Not classified.

**Aspiration hazard** Not an aspiration hazard.

**Chronic effects** May be harmful if absorbed through skin.

2-Butoxy ethanol may be absorbed through the skin in toxic amounts if contact is repeated and prolonged. These effects have not been observed in humans.

**Further information** Not available.

## 12. Ecological Information

**Ecotoxicity** Because of the low pH of this product, it would be expected to produce significant ecotoxicity upon exposure to aquatic organisms and aquatic systems. 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.
See below

**Ecotoxicological data**

| Components | | Species | Test Results |
|---|---|---|---|
| Diethylene glycol monobutyl ether (CAS 112-34-5) | | | |
| Crustacea | EC50 | Daphnia | 2850 mg/L, 48 Hours |
| **Aquatic** | | | |
| Fish | LC50 | Bluegill (Lepomis macrochirus) | 1300 mg/L, 96 hours |
| Ethanol, 2-butoxy- (CAS 111-76-2) | | | |
| Crustacea | EC50 | Daphnia | 1819 mg/L, 48 Hours |
| Fish | LC50 | Inland silverside (Menidia beryllina) | 1250 mg/L, 96 hours |
| Oxalic acid (CAS 144-62-7) | | | |
| Crustacea | EC50 | Daphnia | 137.5 mg/L, 48 Hours |
| **Aquatic** | | | |
| Crustacea | EC50 | Water flea (Daphnia magna) | 125 - 150 mg/L, 48 hours |

**Persistence and degradability** No data is available on the degradability of this product.

**Bioaccumulative potential**

**Partition coefficient n-octanol / water (log Kow)**

| | |
|---|---|
| Diethylene glycol monobutyl ether | 0.56 |
| Ethanol, 2-butoxy- | 0.83 |

**Mobility in soil** No data available.

**Mobility in general** Not available.

**Other adverse effects** No other adverse environmental effects (e.g. ozone depletion, photochemical ozone creation potential, endocrine disruption, global warming potential) are expected from this component.

## 13. Disposal Considerations

**Disposal instructions** Collect and reclaim or dispose in sealed containers at licensed waste disposal site. Do not allow this material to drain into sewers/water supplies. Dispose of contents/container in accordance with local/regional/national/international regulations.

**Local disposal regulations** Dispose in accordance with all applicable regulations.

**Hazardous waste code** The waste code should be assigned in discussion between the user, the producer and the waste disposal company.

**Waste from residues / unused products** Dispose of in accordance with local regulations. Empty containers or liners may retain some product residues. This material and its container must be disposed of in a safe manner (see: Disposal instructions).

**Contaminated packaging** Since emptied containers may retain product residue, follow label warnings even after container is emptied. Empty containers should be taken to an approved waste handling site for recycling or disposal.

## 14. Transport Information

**U.S. Department of Transportation (DOT)**

**Basic shipping requirements:**

| | |
|---|---|
| **UN number** | UN1760 |
| **Proper shipping name** | Corrosive liquids, n.o.s. |
| **Technical name** | OXALIC ACID |
| **Hazard class** | 8 |
| **Packing group** | III |
| **Special provisions** | IB3, T7, TP1, TP28 |
| **Packaging exceptions** | Limited quantity 5L |

**DOT**


## 15. Regulatory Information

**US federal regulations** This product is regulated under 16 CFR (Code of Federal Regulations) Chapter II, Subchapter B and is "Hazardous" as defined by section 1500 of the CPSC (Consumer Product Safety Commission).

This product is not regulated under OSHA Hazard Communication Standard (HCS) 29 CFR 1910.1200 as per exemption (b)(5)(v) & (b)(6)(ix).

**TSCA Section 12(b) Export Notification (40 CFR 707, Subpt. D)**

| | |
|---|---|
| Oxalic acid (CAS 144-62-7) | 1.0 % One-Time Export Notification only. |

**CERCLA Hazardous Substance List (40 CFR 302.4)**

| | |
|---|---|
| Diethylene glycol monobutyl ether (CAS 112-34-5) | Listed. |
| Ethanol, 2-butoxy- (CAS 111-76-2) | Listed. |

**US. OSHA Specifically Regulated Substances (29 CFR 1910.1001-1050)**

Not regulated.

**Superfund Amendments and Reauthorization Act of 1986 (SARA)**

| | |
|---|---|
| **Hazard categories** | Immediate Hazard - Yes<br>Delayed Hazard - No<br>Fire Hazard - No<br>Pressure Hazard - No<br>Reactivity Hazard - No |
| **SARA 302 Extremely hazardous substance** | No |
| **SARA 311/312 Hazardous chemical** | No |

**SARA 313 (TRI reporting)**

| Chemical name | CAS number | % by wt. |
|---|---|---|
| Diethylene glycol monobutyl ether | 112-34-5 | 1 - 5 |
| Ethanol, 2-butoxy- | 111-76-2 | 1 - 5 |

**Other federal regulations**

**Clean Air Act (CAA) Section 112 Hazardous Air Pollutants (HAPs) List**

Diethylene glycol monobutyl ether (CAS 112-34-5)

**Clean Air Act (CAA) Section 112(r) Accidental Release Prevention (40 CFR 68.130)**

Not regulated.

**US state regulations** See below

**US - Illinois Chemical Safety Act: Listed substance**

Diethylene glycol monobutyl ether (CAS 112-34-5)
Ethanol, 2-butoxy- (CAS 111-76-2)

**US - Minnesota Haz Subs: Listed substance**

Ethanol, 2-butoxy- (CAS 111-76-2) — 2-BUTOXYETHANOL (EGBE); BUTYL CELLOSOLVE (SEE 2-BUTOXY ETHANOL)
Oxalic acid (CAS 144-62-7) — oxalic acid

**US - New Jersey RTK - Substances: Listed substance**

Diethylene glycol monobutyl ether (CAS 112-34-5)
Ethanol, 2-butoxy- (CAS 111-76-2)
Oxalic acid (CAS 144-62-7)

**US. California Controlled Substances. CA Department of Justice (California Health and Safety Code Section 11100)**

Not listed.

**US. Massachusetts RTK - Substance List**

Ethanol, 2-butoxy- (CAS 111-76-2)
Oxalic acid (CAS 144-62-7)

**US. New Jersey Worker and Community Right-to-Know Act**

Diethylene glycol monobutyl ether (CAS 112-34-5)
Ethanol, 2-butoxy- (CAS 111-76-2)

**US. Pennsylvania RTK - Hazardous Substances**

Diethylene glycol monobutyl ether (CAS 112-34-5)
Ethanol, 2-butoxy- (CAS 111-76-2)
Oxalic acid (CAS 144-62-7)

**US. Pennsylvania Worker and Community Right-to-Know Law**

Diethylene glycol monobutyl ether (CAS 112-34-5)
Ethanol, 2-butoxy- (CAS 111-76-2)
Oxalic acid (CAS 144-62-7)

**US. Rhode Island RTK**

Diethylene glycol monobutyl ether (CAS 112-34-5)
Ethanol, 2-butoxy- (CAS 111-76-2)

**US. California Proposition 65**

California Safe Drinking Water and Toxic Enforcement Act of 1986 (Proposition 65): This material is not known to contain any chemicals currently listed as carcinogens or reproductive toxins.

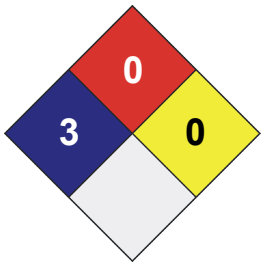
| Country(s) or region | Inventory name | On inventory (yes/no)* |
|---|---|---|
| United States & Puerto Rico | Toxic Substances Control Act (TSCA) Inventory | Yes |

*A "Yes" indicates this product complies with the inventory requirements administered by the governing country(s)

## 16. Other Information

| LEGEND | |
|---|---|
| Severe | 4 |
| Serious | 3 |
| Moderate | 2 |
| Slight | 1 |
| Minimal | 0 |

| | |
|---|---|
| HEALTH | / 3 |
| FLAMMABILITY | 0 |
| PHYSICAL HAZARD | 0 |
| PERSONAL PROTECTION | X |



| | |
|---|---|
| **Disclaimer** | CUTEK America LLC cannot anticipate all conditions under which this information and its product, or the products of other manufacturers in combination with its product, may be used. It is the user's responsibility to ensure safe conditions for handling, storage and disposal of the product, and to assume liability for loss, injury, damage or expense due to improper use. The information in the sheet was written based on the best knowledge and experience currently available.<br><br>Information contained herein was obtained from sources considered technically accurate and reliable. While every effort has been made to ensure full disclosure of product hazards, in some cases data is not available and is so stated. Since conditions of actual product use are beyond control of the supplier, it is assumed that users of this material have been fully trained according to the requirements of all applicable legislation and regulatory instruments. No warranty, expressed or implied, is made and supplier will not be liable for any losses, injuries or consequential damages which may result from the use of or reliance on any information contained in this document. |
| **Issue date** | 11-February-2016 |
| **Further information** | For an updated SDS, please contact the supplier/manufacturer listed on the first page of the document. |
| **Other information** | This Safety Data Sheet was prepared to comply with the current OSHA Hazard Communication Standard (HCS) adoption of the Globally Harmonized System of Classification and Labeling of Chemicals (GHS). |
| **Prepared by** | Dell Tech Laboratories, Ltd. Phone: (519) 858-5021 |