

Product Code:       MSDS010  
 Product Name:       DAYCLEAN 29  
                       ITEM CODE: 669115

24-hour Emergency Phone:                               (800) 535-5053

HMIS CODES H F R P  
                   3 0 0 X

**1. CHEMICAL PRODUCT AND COMPANY IDENTIFICATION**

**DISTRIBUTED BY:**

16001 TRADE ZONE AVE.  
 UPPER MARLBORO, MD 20774

**2. COMPOSITION/INFORMATION ON INGREDIENTS**

Component/Exposure Limits	CAS#	% by Wt.
Water	7732-18-5	Not Regulated
* 2-Butoxyethanol	111-76-2	21
ACGIH TWA 20 ppm;		
OSHA TWA 50 ppm; 240 MG/CUBIC M		
Isopropyl alcohol	67-63-0	Not Regulated
OSHA PEL: 400 ppm; 980 mg/m3		
OSHA STEL: 500 ppm; 1225 mg/m3		
ACGIH TWA: 200 ppm		
ACGIH STEL: 400 ppm		
Alcohols, C6-12, ethoxylated	68439-45-2	Not Regulated
Trace amounts of Ethylene Oxide may be present.		
EO present is not expected to result in exposure risk.		
For EO, OSHA PEL: 1ppm, 1.8 mg/m3		
OSHA EL: 5 ppm, 9mg/m3		
ACGIH TLV (8 hr.) 1 ppm, 1.8 mg/m3		
Sodium Octanesulfonate	5324-84-5	Not Regulated
Potassium Hydroxide	1310-58-3	.6
ACGIH Ceiling 2 mg/m3		
OSHA Ceiling 2 mg/m3		
Tetrasodium ethylenediamine tetraacetate	64-02-8	.4
Ethylene Glycol	107-21-1	.1

**3. HAZARDS IDENTIFICATION**

DANGER. CORROSIVE. Causes severe skin burns and eye damage. Harmful if inhaled. May cause kidney and liver damage May effect the central nervous system (CNS). Side effects include dizziness, drunkenness, coughing, eye irritation, and loss of consciousness. Avoid repeated contact or breathing in vapors. Ethylene glycol monobutyl ether (also known as 2-butoxyethanol) is a possible teratogen. CAUTION: Contains an ingredient that may affect the Central Nervous System (CNS), causing dizziness, headache, or nausea. May cause damage to organs through prolonged or repeated contact.

**Hazard Classification: Skin and Eye Category 1: Corrosive**  
**Acute Toxicity Category 4**  
**Aspiration Category 1**

**Potential Health Effects**



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**EYE:**

Corrosive to eyes.

**SKIN:**

Causes severe skin burns and eye damage.

**INGESTION:**

May cause nausea, vomiting and stomach irritation. This product if swallowed, can cause severe burns and tissue perforation. May be harmful if swallowed and enters airways.

**INHALATION:**

Prolonged inhalation may result in respiratory irritation. Under normal conditions, using adequate ventilation no problems are expected. Excessive inhalation may irritate the mucous membranes and the respiratory tract. If inhaled in high concentrations, vapors may be corrosive. Causes burns to the respiratory tract. May be harmful if inhaled. May cause respiratory irritation.

**CHRONIC (CANCER) INFORMATION:**

Not listed by IARC or NTP as a carcinogen. Long term exposure via inhalation of concentrations of 2-butoxyethanol up to 125 ppm caused an increase of liver tumors in male mice. A slight increase in adrenal tumors was observed in female rats. The NTP has determined that 2-butoxyethanol displays some evidence of carcinogenicity in female rats. The IARC has evaluated the material as an IARC Group 3 not classified as to carcinogenicity in humans, based on limited data in animals and inadequate data in humans.

**TERATOLOGY (BIRTH DEFECT) INFORMATION:**

Not classified as a teratogen. A raw material in this product has caused birth defects in laboratory animals when ingested in high doses by pregnant animals.

**REPRODUCTION INFORMATION:**

Does not harm reproductive cells.

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**4. FIRST AID MEASURES**

**EYES:**

Hold eye open and rinse slowly and gently with water for 15-20 minutes. Remove contact lenses, if present, after the first 5 minutes, then continue rinsing eye(s). Call a poison control center or doctor for treatment advice.

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**SKIN:**

Immediately flush skin with water while removing contaminated clothing and shoes. Seek medical attention if irritation persists. Wash clothing before reuse and discard contaminated shoes.

**INGESTION:**

If swallowed, 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. Treat symptomatically. Get medical attention if symptoms continue.

**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. Call a poison control center or doctor for further treatment advice.

**NOTE TO PHYSICIANS:**

The material is an aspiration hazard. Potential danger from aspiration must be weighed against possible oral toxicity when deciding whether to induce vomiting. The absence of visible signs or symptoms of burns does NOT reliably exclude the presence of actual tissue damage. Probable mucosal damage may contraindicate the use of gastric lavage. Alcohol causes central nervous system depression. Dermatitis may result from prolonged or repeated exposure. Potential for chemical pneumonitis. Consider: gastric lavage with protected airway, administration of activated charcoal.

**5. FIRE FIGHTING MEASURES**

**FLAMMABLE PROPERTIES:**

**FLASH POINT:** N/A   **Method:** N/A  
Non-flammable material.

**FLAMMABLE LIMITS:**

**Lower flammable limit:** N/A  
**Upper flammable limit:** N/A

**AUTOIGNITION TEMPERATURE:**

Not Applicable.

**HAZARDOUS COMBUSTION PRODUCTS:**

Oxides of carbon.

**EXTINGUISHING MEDIA:**

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Carbon dioxide, dry chemical, or water. Avoid using a direct stream of water. Dry chemical, foam, carbon dioxide, water fog. Use water to cool fire-exposed containers and to protect personnel.

**FIREFIGHTING INSTRUCTIONS:**

Wear appropriate and suitable protective clothing and breathing equipment for the situation. Follow NFPA Fire Protection Guidelines. Use self-contained breathing apparatus.

**6. ACCIDENTAL RELEASE MEASURES**

**SMALL SPILL:**

Use appropriate containment to avoid run-off. Keep out of streams, sewers and waterways. Collect free material. Absorb remainder on inert absorbant. Wash area with plenty of water.

**LARGE SPILL:**

If possible, clean up spill area with an absorbant and then flush with plenty of water. Absorb liquid with vermiculite, floor absorbent or other absorbent material. Keep out of sewer, streams, ponds, lakes, or other waterways.

**7. HANDLING AND STORAGE**

**HANDLING:**

Concentrate is corrosive to all body tissues. Containers, even those that have been emptied, will retain product residue and vapor and should be handled as if they were full. Do not eat, drink or smoke in areas where this material is used. After handling, always wash hands thoroughly with soap and water. Do not handle near heat, sparks or flames. Use only with adequate ventilation/personal protection. Avoid contact with eyes, skin or clothing.

**STORAGE:**

Keep containers covered. Take the usual chemicals handling precautions. Avoid contact with eyes, skin and clothing. Wear appropriate protective equipment. Wash thoroughly after handling.  
Do not take internally.  
Keep out of reach of children.  
Do not contaminate food or water by storage or disposal. Keep containers closed when not in use. Store in original containers.

**8. EXPOSURE CONTROLS/PERSONAL PROTECTION**

**ENGINEERING CONTROLS:**

When used as directed, no engineering controls are necessary. If used in an confined space and excess material is used, a source of ventilation may be required.

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**RESPIRATORY PROTECTION:**

None Normally Needed. If vapors are present, use NIOSH approved respirator or self contained breathing apparatus. If irritation is experienced, a NIOSH-approved respirator should be worn. Ventilation and other forms of engineering controls are often the preferred means for controlling chemical exposure. Respiratory protection may be needed for non-routine or emergency situations.

**SKIN PROTECTION:**

Wear impervious gloves, safety apron, and clothing if there is a chance of skin contact with product.

**EYE PROTECTION:**

Chemical splash goggles with side shields recommended.

**9. PHYSICAL AND CHEMICAL PROPERTIES**

**BOILING POINT:** 180.5 F  
**MELTING POINT:** Not applicable.  
**VAPOR PRESSURE:** NO INFORMATION AVAILABLE.  
**VAPOR DENSITY: (Air=1):** >1  
**SOLUBILITY IN WATER:** Soluble  
**SPECIFIC GRAVITY:** .99  
**pH:** 11.8-13.6  
**ODOR:** Strong butyl (2-butoxyethanol) odor.  
**APPEARANCE:** Clear green liquid.

**10. STABILITY AND REACTIVITY**

**CHEMICAL STABILITY (CONDITIONS TO AVOID):**

Stable.

**INCOMPATIBILITY:**

Strong oxidizing agents, strong acids. Acids, flammable liquids, halogenated compounds. Prolonged contact with brass, aluminum, bronze, copper, lead, tin, zinc or other alkali sensitive metals or alloys.

**HAZARDOUS DECOMPOSITION PRODUCTS:**

Oxides of carbon, and sulfur may be emitted if product burns.

**HAZARDOUS POLYMERIZATION:**

Will not occur.

**11. TOXICOLOGICAL INFORMATION**

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**EYE:**

CORROSIVE!

**SKIN:**

Long term contact to the skin with the formulated product may be corrosive. Direct contact may cause irritation.

**INGESTION:**

May cause nausea. Corrosive.

**INHALATION:**

Irritating.

**SUBCHRONIC:**

All components of this product are listed on the U. S. TOXIC SUBSTANCE CONTROL ACT (TSCA) Inventory or exemption has been granted in accordance with 40 CFR 723.50.

**CHRONIC/CARCINOGENICITY:**

Not classified as a carcinogen. Long term exposure via inhalation of concentrations of 2-butoxyethanol up to 125 ppm caused an increase of liver tumors in male mice. A slight increase in adrenal tumors was observed in female rats. The NTP has determined that 2-butoxyethanol displays some evidence of carcinogenicity in female rats. The IARC has evaluated the material as an IARC Group 3 not classified as to carcinogenicity in humans, based on limited data in animals and inadequate data in humans.

**TERATOLOGY:**

Ethylene glycol, CAS # 107-21-1, is a reproductive and developmental toxicant when administered at high doses in experimental animals.

**REPRODUCTION:**

Not expected to effect human reproduction.

**MUTAGENICITY:**

Not mutagenic.

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**12. ECOLOGICAL INFORMATION**

**ECOTOXICOLOGICAL INFORMATION:**

Highly mobile in soil. Toxic to aquatic organisms.

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**CHEMICAL FATE INFORMATION:**

Readily biodegradable. This material will not bioaccumulate. Material will disassociate into ionic form in the aquatic environment.

**13. DISPOSAL CONSIDERATIONS**

Dispose of according to current and applicable Local, State and Federal Laws and Regulations by a licensed disposal agent.  
Dispose empty containers in accordance with applicable regulations.

**14. TRANSPORT INFORMATION (Not meant to be all inclusive)**

CORROSIVE UN1230, FLAMMABLE LIQUID, (CONTAINS ISOPROPNOL), 3, II  
LIMITED QUANTITY UNDER 1.3 GALLONS

**15. REGULATORY INFORMATION: (Not meant to be all inclusive - selected regulations represent**

**U.S. FEDERAL REGULATIONS:**

OCCUPATIONAL SAFETY AND HEALTH ADMINISTRATION (OSHA) 29 CFR 1910.1200 There is no calculable reportable quantity for this product.

**OSHA:**

HAZCOM STANDARD

**CERCLA: SARA HAZARD CATEGORY:**

Contains an ingredient that is an acute health hazard.

**SECTION 313:**

If applicable, materials are listed in Section II.

**INTERNATIONAL REGULATIONS:**

**CANADIAN WHMIS:**

Class E: Corrosive Liquid No Information Available.

**CANADIAN ENVIRONMENTAL PROTECTION ACT (CEPA):**

No Information Available.

**EINECS:**

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No information available.

**STATE REGULATIONS:**

No Information Available.

**VOLATILE ORGANIC COMPOUNDS:**

No Information Available.

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**16. OTHER INFORMATION**

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**SDS Status:**

Compliant with OSHA's new GHS safety data sheet (SDS).

Information in this Safety Data Sheet (SDS) is based on sources other than direct test data and is given in good faith. No warranty is expressed or implied. We believe that the information is current as of the date of this SDS. The use of this information, the conditions, the methods of handling, storage, use and disposal of the product are not within the control of the manufacturer and distributor, therefore it is the user's responsibility and obligation to determine the conditions of the safe use of this product and to ensure that its activities comply with all laws and regulations.