

MATERIAL SAFETY DATA SHEET

Oreck O'Monster

Section 1: PRODUCT AND COMPANY IDENTIFICATION

Product Name: Oreck O'Monster
Product Number: B00750
Product Use: All-Purpose Cleaner.
Manufacturer: Amrep, Inc.
990 Industrial Park Drive
Marietta, GA 30062
Manufacturer Phone Number: (770) 422-2071 (Mon - Fri / 8am - 5pm ET)
Supplier: Oreck Corporation
1400 Salem Road
Cookeville, TN 38501
Supplier Phone Number: (800)-472-7619
D.O.T. Emergency Phone: CHEM TEL (800) 255-3924
INTERNATIONAL: +01-813-248-0585
Date of Preparation: August 4, 2011 **Revision #:** 2.0

Section 2: HAZARDS IDENTIFICATION

EMERGENCY OVERVIEW

HMIS: See Section 15

DANGER

CORROSIVE MATERIAL - CAUSES BURNS.

Potential Health Effects: See Section 11 for more information.

Likely Routes of Exposure: Skin contact, eye contact, inhalation, and ingestion.

Eye: Causes burns.

Skin: Irritating to skin. May cause burns after prolonged contact.

Ingestion: May cause burns. May be harmful if swallowed. May cause stomach distress, nausea or vomiting.

Inhalation: May cause respiratory tract irritation.

Chronic Effects: Prolonged or repeated contact may dry skin and cause irritation.

Signs and Symptoms: May cause serious chemical burns. Severe irritation, redness and pain. Symptoms may include redness, drying, and cracking of the skin.

Medical Conditions Aggravated By Exposure: Because of its irritating properties, product may aggravate preexisting skin, eye, and respiratory conditions.

Target Organs: Skin, eyes, gastrointestinal tract, respiratory system.

This product is a "Hazardous Chemical" as defined by the OSHA Hazard Communication Standard, 29 CFR 1910.1200.

Potential Environmental Effects: May cause long-term adverse effects in the aquatic environment. See Section 12 for more information.

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Section 3: COMPOSITION / INFORMATION ON INGREDIENTS

| Ingredient | CAS # | Wt. % |
|-----------------------------------|-----------|-----------|
| Ethylene glycol monobutyl ether | 111-76-2 | 1 - 5 |
| Nonylphenol ethoxylate | 9016-45-9 | 1 - 5 |
| Diethylene glycol monobutyl ether | 112-34-5 | 0.5 - 1.5 |

Section 4: FIRST AID MEASURES

Eye Contact: In case of contact, immediately flush eyes with plenty of water for at least 15 minutes. If easy to do, remove contact lenses, if worn. Get medical attention immediately.

Skin Contact: In case of contact, immediately flush skin with plenty of water. Remove contaminated clothing and shoes. Wash clothing before reuse. Call a physician if irritation develops and persists.

Inhalation: If inhaled, remove to fresh air. If not breathing, give artificial respiration. If breathing is difficult, give oxygen.

Ingestion: If swallowed, do NOT induce vomiting unless directed to do so by medical personnel. Never give anything by mouth to an unconscious person.

General Advice: In case of accident or if you feel unwell, seek medical advice immediately (show the label or MSDS where possible).

Note to Physicians: Symptoms may not appear immediately.

Section 5: FIRE FIGHTING MEASURES

Flammability: Not flammable by OSHA criteria.

Means of Extinction:

Suitable Extinguishing Media: Treat for surrounding material.

Unsuitable Extinguishing Media: Not available.

Products of Combustion: May include, and are not limited to: oxides of carbon.

Explosion Data:

Sensitivity to Mechanical Impact: Not available.

Sensitivity to Static Discharge: Not available.

Protection of Firefighters: Keep upwind of fire. Wear full fire fighting turn-out gear (full Bunker gear) and respiratory protection (SCBA).

Section 6: ACCIDENTAL RELEASE MEASURES

Personal Precautions: Use personal protection recommended in Section 8. Isolate the hazard area and deny entry to unnecessary and unprotected personnel.

Environmental Precautions: This material is a water pollutant. Keep out of drains, sewers, ditches, and waterways. Minimize use of water to prevent environmental contamination.

Methods for Containment: Contain and/or absorb spill with inert material (e.g. sand, vermiculite), then place in a suitable container. Do not flush to sewer or allow to enter waterways. Use appropriate Personal Protective Equipment (PPE).

Methods for Clean-Up: Soak into absorbent material. Spills of this material are a slipping hazard. Thoroughly wash the area with water after a spill or leak. Allow gas to dissipate harmlessly into the atmosphere.

Other Information: Not available.

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Section 7: HANDLING AND STORAGE

Handling:

Avoid contact with skin and eyes. Do not swallow. Do not breathe gas/fumes/vapor/spray. Handle and open container with care. When using do not eat or drink. Wash hands before eating, drinking, or smoking.

Storage:

Keep out of the reach of children. Keep container tightly closed. Store in a cool place.

Section 8: EXPOSURE CONTROLS / PERSONAL PROTECTION

Exposure Guidelines

| Ingredient | Exposure Limits | |
|-----------------------------------|-----------------|----------------|
| | OSHA-PEL | ACGIH-TLV |
| Ethylene glycol monobutyl ether | 50 ppm | 20 ppm |
| Nonylphenol ethoxylate | Not available. | Not available. |
| Diethylene glycol monobutyl ether | Not available. | Not available. |

Engineering Controls: Use ventilation adequate to keep exposures (airborne levels of dust, fume, vapor, etc.) below recommended exposure limits.

Personal Protective Equipment:

HMIS: See Section 15

Eye/Face Protection: Wear eye/face protection.

Hand Protection: Wear suitable gloves.

Skin and Body Protection: Wear suitable protective clothing.

Respiratory Protection: In case of insufficient ventilation, wear suitable respiratory equipment.

General Hygiene Considerations: Handle according to established industrial hygiene and safety practices.

Section 9: PHYSICAL AND CHEMICAL PROPERTIES

| | |
|----------------------------------|----------------|
| Appearance: | Clear. |
| Color: | Purple. |
| Odour: | Butyl. |
| Odour Threshold: | Not available. |
| Physical State: | Liquid. |
| pH: | 12.5 |
| Viscosity: | Not available. |
| Freezing Point: | Not available. |
| Boiling Point: | Not available. |
| Flash Point: | Not available. |
| Evaporation Rate: | Not available. |
| Lower Flammability Limit: | Not available. |
| Upper Flammability Limit: | Not available. |
| Vapor Pressure: | Not available. |

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| | |
|---|----------------------------------|
| Vapor Density: | Not available. |
| Specific Gravity: | 1.020 |
| Solubility in Water: | Not available. |
| Coefficient of Water/Oil Distribution: | Not available. |
| Auto-ignition Temperature: | Not available. |
| Percent Volatile, wt. %: | Not available. |
| VOC content, wt. %: | 4.0% (US federal/CARB/OTC/LADCO) |
| VOC content, g/L: | Not available. |

Section 10: STABILITY AND REACTIVITY

Stability: Stable under normal storage conditions.

Conditions of Reactivity: Heat. Incompatible materials.

Incompatible Materials: Oxidizers.

Hazardous Decomposition Products: May include, and are not limited to: oxides of carbon.

Possibility of Hazardous Reactions: No dangerous reaction known under conditions of normal use.

Section 11: TOXICOLOGY INFORMATION

EFFECTS OF ACUTE EXPOSURE

Component Analysis

| Ingredient | LD₅₀ (oral) | LC₅₀ |
|-----------------------------------|-------------------------------|--------------------------------------|
| Ethylene glycol monobutyl ether | 470 mg/kg, rat | 450 ppm 4hr, rat; 2.21 mg/L 4hr, rat |
| Nonylphenol ethoxylate | 1310 mg/kg, rat | Not available. |
| Diethylene glycol monobutyl ether | 3384 mg/kg, rat | Not available. |

Eye: Causes burns. May cause serious chemical burns. Severe irritation, redness and pain.

Skin: Irritating to skin. May cause burns after prolonged contact. Symptoms may include redness, drying, and cracking of the skin.

Ingestion: May cause burns. May be harmful if swallowed. May cause stomach distress, nausea or vomiting.

Inhalation: May cause respiratory tract irritation.

EFFECTS OF CHRONIC EXPOSURE

Target Organs: Not available.

Chronic Effects: Not hazardous by OSHA criteria.

Carcinogenicity: Not hazardous by OSHA criteria.

Ingredient

Chemical Listed as Carcinogen or Potential Carcinogen *

| | |
|-----------------------------------|-------------|
| Ethylene glycol monobutyl ether | I-3 |
| Nonylphenol ethoxylate | Not listed. |
| Diethylene glycol monobutyl ether | Not listed. |

* See Section 15 for more information.

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Mutagenicity: Not hazardous by OSHA criteria.

Reproductive Effects: Not hazardous by OSHA criteria.

Developmental Effects:

Teratogenicity: Not hazardous by OSHA criteria.

Embryotoxicity: Not hazardous by OSHA criteria.

Respiratory Sensitization: Not hazardous by OSHA criteria.

Skin Sensitization: Not hazardous by OSHA criteria.

Toxicologically Synergistic Materials: Not available.

Section 12: ECOLOGICAL INFORMATION

Ecotoxicity: May cause long-term adverse effects in the aquatic environment

Persistence / Degradability: Not available.

Bioaccumulation / Accumulation: Not available.

Mobility in Environment: Not available.

Section 13: DISPOSAL CONSIDERATIONS

Disposal Instructions:

This material must be disposed of in accordance with all local, state, provincial, and federal regulations.

Section 14: TRANSPORTATION INFORMATION

DOT Classification

Corrosive Liquid, Basic, Inorganic, n.o.s. (Sodium hydroxide); UN3266; Class 8; PGIII
ORM-D (< 5 L)

Section 15: REGULATORY INFORMATION

Federal Regulations

US: MSDS prepared pursuant to the Hazard Communication Standard (29 CFR 1910.1200).

SARA Title III

| Ingredient | Section 302 (EHS) TPQ (lbs.) | Section 304 EHS RQ (lbs.) | CERCLA RQ (lbs.) | Section 313 |
|-----------------------------------|---------------------------------|------------------------------|---------------------|----------------|
| Ethylene glycol monobutyl ether | Not listed. | Not listed. | Not listed. | Yes. |
| Nonylphenol ethoxylate | Not listed. | Not listed. | Not listed. | Not listed. |
| Diethylene glycol monobutyl ether | Not listed. | Not listed. | Not listed. | Not listed. |

State Regulations

California Proposition 65:

This product does not contain a chemical known to the State of California to cause cancer, birth defects or other reproductive harm.

Global Inventories

| Ingredient | USA TSCA |
|-----------------------------------|-------------|
| Ethylene glycol monobutyl ether | Yes. |
| Nonylphenol ethoxylate | Yes. |
| Diethylene glycol monobutyl ether | Yes. |

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HMIS - Hazardous Materials Identification System

Health - 3

Flammability - 0

Physical Hazard - 0

PPE – B

NFPA - National Fire Protection Association:

Health - 3

Fire - 0

Reactivity - 0

Hazard Rating: 0 = minimal, 1 = slight, 2 = moderate, 3 = severe, 4 = extreme

SOURCE AGENCY CARCINOGEN CLASSIFICATIONS:

OSHA (O) Occupational Safety and Health Administration.

ACGIH (G) American Conference of Governmental Industrial Hygienists.

A1 - Confirmed human carcinogen.

A2 - Suspected human carcinogen.

A3 - Animal carcinogen.

A4 - Not classifiable as a human carcinogen.

A5 - Not suspected as a human carcinogen.

IARC (I) International Agency for Research on Cancer.

1 - The agent (mixture) is carcinogenic to humans.

2A - The agent (mixture) is probably carcinogenic to humans; there is limited evidence of carcinogenicity in humans and sufficient evidence of carcinogenicity in experimental animals.

2B - The agent (mixture) is possibly carcinogenic to humans; there is limited evidence of carcinogenicity in humans in the absence of sufficient evidence of carcinogenicity in experimental animals.

3 - The agent (mixture, exposure circumstance) is not classifiable as to its carcinogenicity to humans.

4 - The agent (mixture, exposure circumstance) is probably not carcinogenic to humans.

NTP (N) National Toxicology Program.

1 - Known to be carcinogens.

2 - Reasonably anticipated to be carcinogens.

Section 16: OTHER INFORMATION

Disclaimer:

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Prepared by: Nexreg Compliance Inc.

Prepared for: Oreck Corporation - Phone: (800)-472-7619