

MATERIAL SAFETY DATA SHEET

Oreck Assail-A-Cell

Section 1: PRODUCT AND COMPANY IDENTIFICATION

Product Name: Oreck Assail-A-Cell Air Machine Cell Cleaner
Product Number: B7078
Product Use: 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: July 7, 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: Irritating to eyes. May cause burns.

Skin: Irritating to skin. May cause burns.

Ingestion: 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: Symptoms may include discomfort or pain, excess blinking and tear production, with possible redness and swelling. Symptoms may include redness, drying, defatting and cracking of the skin.

Medical Conditions Aggravated By Exposure: Asthma. Allergies.

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: No ecological consideration when used according to directions. Normal dilution of this product to drains, sewers, septic systems and treatment plants is not considered environmentally harmful. See Section 12 for more information.

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Section 3: COMPOSITION / INFORMATION ON INGREDIENTS

Ingredient	CAS #	Wt. %
Dipropylene glycol methyl ether	34590-94-8	3 - 7
Dipropylene glycol n-butyl ether	29911-28-2	3 - 7
Nonylphenol ethoxylate	9016-45-9	1 - 5
Monoethanolamine	141-43-5	0.1 - 1.0

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:** Remove to fresh air. If symptoms persist, obtain medical attention.
- Ingestion:** If swallowed, do NOT induce vomiting unless directed to do so by medical personnel. Seek medical attention or call poison control.
- 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, oxides of phosphorus; trace oxides of sulfur and nitrogen.
- 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:** If large quantities enter a waterway, advise local authorities.
- Methods for Containment:** Contain and/or absorb spill, then place in a suitable container.
- Methods for Clean-Up:** Spills of this material are a slipping hazard.
- 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.

Section 8: EXPOSURE CONTROLS / PERSONAL PROTECTION

Exposure Guidelines

Ingredient	Exposure Limits	
	OSHA-PEL	ACGIH-TLV
Dipropylene glycol methyl ether	100 ppm	100 ppm
Dipropylene glycol n-butyl ether	Not available.	Not available.
Nonylphenol ethoxylate	Not available.	Not available.
Monoethanolamine	3 ppm	3 ppm

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:	Colorless.
Odour:	Solvent.
Odour Threshold:	Not available.
Physical State:	Liquid.
pH:	11.7
Viscosity:	Not available.
Freezing Point:	Not available.
Boiling Point:	~ 100°C (~ 212°F)
Flash Point:	> 100°C (> 212°F)
Evaporation Rate:	1.0
Lower Flammability Limit:	Not available.
Upper Flammability Limit:	Not available.
Vapor Pressure:	17 mmHg @ 20°C (68°F)

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Vapor Density:	Not available.
Specific Gravity:	1.007
Solubility in Water:	Complete.
Coefficient of Water/Oil Distribution:	Not available.
Auto-ignition Temperature:	Not available.
Percent Volatile, wt. %:	Not available.
VOC content, wt. %:	7.8% (US federal/CARB/OTC/LADCO)

Section 10: STABILITY AND REACTIVITY

Stability: Stable under normal storage conditions.

Conditions of Reactivity: Heat. Incompatible materials.

Incompatible Materials: Oxidizers. Acids. Reducing agents.

Hazardous Decomposition Products: May include, and are not limited to: oxides of carbon, oxides of phosphorus; trace oxides of sulfur and nitrogen.

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
Dipropylene glycol methyl ether	5230 mg/kg, rat	Not available.
Dipropylene glycol n-butyl ether	1620 µL/kg, rat	> 2.04 mg/L 4hr, rat; 42.1 ppm 4hr, rat
Nonylphenol ethoxylate	1310 mg/kg, rat	Not available.
Monoethanolamine	1720 mg/kg, rat	Not available.

Eye: Irritating to eyes. May cause burns. Symptoms may include discomfort or pain, excess blinking and tear production, with possible redness and swelling.

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

Ingestion: 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

Dipropylene glycol methyl ether
Dipropylene glycol n-butyl ether
Nonylphenol ethoxylate
Monoethanolamine

Chemical Listed as Carcinogen or Potential Carcinogen *

Not listed.
Not listed.
Not listed.
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: No ecological consideration when used according to directions. Normal dilution of this product to drains, sewers, septic systems and treatment plants is not considered environmentally harmful.

Persistence / Degradability: Not available.

Bioaccumulation / Accumulation: Not available.

Mobility in Environment: Not available.

Section 13: DISPOSAL CONSIDERATIONS

Disposal Instructions:

This material and its container must be disposed of in a safe way.

Section 14: TRANSPORTATION INFORMATION

DOT Classification

UN3267; Corrosive Liquid, Basic, Organic, n.o.s. (Monoethanolamine); Class 8; PGIII
ORM-D (\leq 1Gallon)

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
Dipropylene glycol methyl ether	Not listed.	Not listed.	Not listed.	Not listed.
Dipropylene glycol n-butyl ether	Not listed.	Not listed.	Not listed.	Not listed.
Nonylphenol ethoxylate	Not listed.	Not listed.	Not listed.	Not listed.
Monoethanolamine	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.

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Global Inventories

Ingredient

Dipropylene glycol methyl ether
Dipropylene glycol n-butyl ether
Nonylphenol ethoxylate
Monoethanolamine

**USA
TSCA**
Yes.
Yes.
Yes.
Yes.

HMIS - Hazardous Materials Identification System

Health - 2

Flammability - 0

Physical Hazard - 0

PPE – B

NFPA - National Fire Protection Association:

Health - 2

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:

We believe the statements, technical information and recommendations contained herein are reliable, but they are given without warranty or guarantee of any kind. The information contained in this document applies to this specific material as supplied. It may not be valid for this material if it is used in combination with any other materials. It is the user's responsibility to satisfy oneself as to the suitability and completeness of this information for the user's own particular use.

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