

Material Safety Data Sheet

May be used to comply with OSHA's Hazard Communication Standard, 29 CFR 1910.1200. Standard must be consulted for specific requirements.

U.S. Department of Labor

Occupational Safety and Health Administration
(Non-Mandatory Form) Form Approved
OMB No. 1218-0072

Identity as Used on Label: CITRUS II HOSPITAL GERMICIDAL DEODORIZING CLEANER
Product Code: 633712927

NFPA: Health=1, Flammability=1, Reactivity=0, Special=0

HMIS: Health=1, Flammability=1, Reactivity= 0, Personal Protection=X

SECTION I – Company Identification

Manufacturer's Name: **Beaumont Products, Inc.**

Emergency Telephone Number: **(800) 255-3924**

Manufacturer's Address: **1560 Big Shanty Rd.
Kennesaw, Ga 30144
USA**

Telephone Number for Info.: **(770) 514-9000**

Date Prepared: **July 29, 2008**

SECTION II – Hazards Identification

Emergency Overview: Clear/yellow Liquid
May cause irritation to eyes and skin

Health Effects: Eyes
This product may cause irritation to the eyes.

Health Effects: Skin
This product may cause irritation to the skin.

Health Effects: Inhalation
Exposure via inhalation is not likely. High vapor or aerosol mist concentrations may be irritating to the nose, throat and upper respiratory tract.

Health Effects: Ingestion
Ingestion may cause transient irritation of the throat, stomach and gastrointestinal tract. Ingestion of large amounts may produce gastrointestinal disturbances including irritation, nausea, and diarrhea.

SECTION III – Composition / Ingredient Information

<u>Ingredient Name:</u>	<u>CAS Number</u>	<u>Percent</u>
Diethylene glycol monobutyl ether	112-34-5	8
Alkyl dimethyl benzyl ammonium chloride (C12-18)	68391-01-5	0.105
Alkyl (68%C12, 32%C14) dimethyl ethylbenzyl ammonium chloride	85409-23-0	0.105

SECTION IV – First Aid Measures

Eyes: Immediately flush eyes with water for at least 15 minutes while holding eyelids open. If irritation persists get medical attention.

Skin: Immediately take off all contaminated clothing. Wash contaminated clothing before reuse. For skin contact, flush with large amounts of water. If irritation persists, get medical attention.

Inhalation: If symptoms are experienced, remove source of contamination or move victim to fresh air. If symptoms persist, get medical attention. If not breathing, give artificial respiration, preferably mouth-to-mouth. If breathing is difficult, give oxygen. Seek medical attention.

Ingestion: Do not induce vomiting. If ingestion of a large amount does occur, seek medical attention. Never give anything by mouth to a victim who is unconscious or is having convulsions.

Notes to Physician: If the product is ingested, probable mucosal damage may contraindicate the use of gastric lavage. Treat the affected person appropriately.

SECTION V – Fire Fighting Measures

Flash Point: > 93.9 C (201 F) PMCC

Extinguishing Media: Use appropriate methods for combating the surrounding fire.

Fire Fighting Equipment / Instructions:

Firefighters should wear full fire-fighting turn-out gear (full Bunker gear) including NIOSH-approved self-contained breathing apparatus with full face-piece operated in the pressure demand or other positive pressure mode.

SECTION VI – Accidental Release Measures

Spill And Leak Procedures:

Emergency Action:

Isolate spill or leak area immediately. Keep unauthorized personnel away. Stay upwind. Keep out of low areas. Ventilate closed spaces before entering.

Do not touch or walk through spilled material. Wear appropriate personal protective equipment during cleanup.

Small Spills:

Absorb with earth, sand or other non-combustible material and transfer to containers for later disposal.

Large Spills:

Dike ahead of liquid spill for later disposal.

Do not discharge effluent containing this product into lakes, streams, ponds, estuaries, oceans or other waters unless in accordance with the requirements of a National Pollutant Discharge Elimination System (NPDES) permit and the permitting authority has been notified in writing prior to discharge. Do not discharge effluent containing this product to sewer systems without previously notifying the local sewage treatment plant authority. For guidance, contact your State Water Board or Regional Office of the EPA.

SECTION VII – Handling & Storage

Handling Procedures:

Avoid contact with skin and eyes. Avoid breathing vapors or mists of this product. Wash thoroughly after handling. As with all chemicals, good industrial hygiene practices should be followed when handling this material.

Storage Procedures:

Store in a dry, well ventilated area. Avoid freezing or excessive heat.
DO NOT CONTAMINATE WATER, FOOD OR FEED BY STORAGE OR DISPOSAL.

SECTION VIII – Exposure Controls / Personal Protection

Engineering Controls:

Use with adequate ventilation

Personal Protective Equipment: Eyes/Face

Wear safety glasses with side shields.

Personal Protective Equipment: Skin

Use impervious gloves. Wear suitable protective clothing.

Personal Protective Equipment: Respiratory

Under normal conditions, respirator is not normally required. If vapors are present or irritation is experienced, NIOSH approved respiratory protection for ammoniacal vapors should be worn.

Personal Protective Equipment: General

Eye wash fountain and emergency showers are recommended.

Diethylene glycol monobutyl ether (CAS No. 112-34-5)

NIOSH – Health Standards – Exposure Limits
Reduce exposure to lowest feasible concentration.

SECTION IX – Physical & Chemical Properties

Flash Point: (> 93.9 C), > 201 F PMCC

Solubility in Water: Complete

Boiling Point: (> 100 C), > 212 F

pH Value: 11.7

Specific Gravity: (1.007 g/ml), 8.38 lb/gal

Freezing Point: (> 0 C), > 32 F

Appearance and Odor: Clear, yellowish liquid

SECTION X – Stability & Reactivity

Chemical Stability:

Stable under normal conditions.

Conditions to Avoid:

Avoid strong oxidizing agents.

Incompatibility:

Strong acids, alkalies and oxidizing agents.

Hazardous Decomposition:

Upon decomposition, this product may yield oxides of nitrogen and ammonia

Hazardous Polymerization:

Will not occur

SECTION XI – Toxicological Information

Carcinogenicity:

Not listed as carcinogenic according to IARC, NTP or OSHA

->Tetra sodium ethylenediamine tetra acetic acid (Na₄ EDTA) (CAS # 64-02-08)

Toxicology Data – Selected LD50s and LC50s

Oral LD50 Rat: 1658 mg/kg

->Water (CAS # 7732-18-5)

Toxicology Data – Selected LD50s and LC50s

Oral LD50 Rat: >90 ml/kg

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

Toxicology Data – Selected LD50s and LC50s

Oral LD50 Rat: 3384 mg/kg;

Dermal LD50 Rabbit: 2700 mg/kg

SECTION XII – Ecological

Ecotoxicity:

Toxic to fish. Toxic to aquatic organisms.

Information available upon request. Please contact Beaumont Products, Inc. Technical Director.

SECTION XIII – Disposal Considerations

Disposal Instructions:**Container Disposal:**

Plastic containers: Triple rinse (or equivalent). Then offer for recycling or reconditioning, or puncture and dispose of in a sanitary landfill, or incineration, or, if allowed by state and local authorities, by burning. If burned, stay out of smoke. For containers 1 gallon or less: Do not reuse empty container (bottle, can, bucket). Wrap container and put in trash.

Pesticide Disposal:

Pesticide wastes are acutely hazardous. Improper disposal of excess pesticide, spray mixture, or rinsate is a violation of Federal Law. If these wastes cannot be disposed of by use according to label instructions contact your State Pesticide or Environmental Control Agency, or the Hazardous Waste representative at the nearest EPA Regional Office for guidance.

SECTION XIV – Transportation Information

DOT Proper Shipping Name:

Refer to bill of lading or container label for DOT or other transportation hazard classification if any.

SECTION XV – Regulatory Information

U.S Federal Regulations:**->Diethylene glycol monobutyl ether (CAS #112-34-5)**

CAA (Clean Air Act) – 1990 Hazardous Air Pollutants
CERCLA/SARA – Section 313 – Emission Reporting

[present] (includes mono- and di- ethers of Ethylene glycol and Triethylene glycol as specified by referenced formula form R reporting required for 1.0% deminimis concentration; Chemical Category N230; (applies to R-(OCH₂CH₂)_n-OR^{'''} ethers, where n = 1,2, or 3^{'''}; R= a C7 or less, or R = phenyl or alkyl subst. phenyl; R^{'''} = H alkyl C7 or less, or OR^{'''} consisting of carboxylic acid ester sulfate, phosphate, nitrate, or sulfonate)

EPA – Designated Generic Categories – Certain Glycol ethers

RR-00067-9

TSCA (Toxic Substances Control Act) – Section 4
-Chemical Test Rules (40 CFR 79)

40 CFR 799.1560

Ingredient Name:	CAS Number	Percent
Diethylene glycol monobutyl ether	112-34-5	8
Alkyl dimethyl benzyl ammonium chloride (C12-18)	68391-01-5	0.105
Alkyl (68% C12, 32% C14) dimethyl ethylbenzyl ammonium chloride	85409-23-0	0.105

State Regulations:

This product may contain the following ingredient(s) known to the State of California to cause cancer, birth defects or other reproductive harm:

Ethylene Oxide (CAS RN: 75-21-8)

Nitritriacetic acid (NTA) (CAS RN: 139-13-9)

Inventories:

This product is considered a pesticide, and is therefore excluded from the United States TSCA Regulations. There is no calculable reportable quantity (RQ) for this product.

SECTION XVI – Other Information

Disclaimer

Nothing contained herein grants or extends a license, express or implied, in connection with patents, issued or pending, of the manufacturer or others. The information contained herein is based on the manufacturer's own study and the works of others. The manufacturer makes no warranties, expressed or implied, as to the accuracy, completeness, or adequacy of the information contained herein. The manufacturer shall not be held liable (regardless of fault) to the vendee's employees, or anyone for any direct, special or consequential damages arising out of or in connection with the accuracy, completeness, adequacy or furnishing of such information.

HAZARD RATINGS	HMIS	NFPA
Health	1	1
Flammability	1	1
Reactivity	0	0
PPE	X	