

# MATERIAL SAFETY DATA SHEET

(COMPLIES WITH 29CFR 1910.1200)

## SECTION I - CHEMICAL PRODUCT & COMPANY IDENTIFICATION

Identity (As Used on Label and List): B-Q 32 Pine Odor Disinfectant  
 Product Class: Disinfectant Cleaner, EPA #6836-169-5449  
 Emergency Telephone Number: 800-255-3924  
 Telephone Number for Information: 651-481-1900  
 Manufacturer's Name and Address:  
 Multi-Clean®  
 600 Cardigan Road  
 Shoreview, MN 55126

## SECTION II - COMPOSITION/INFORMATION ON INGREDIENTS

### Hazardous Components (Specific Chemical Identity):

Chemical	Common Name(s)	%
A	Quaternary Ammonium Chloride Surfactants CAS #68424-85-1	1.97
B	Isopropanol CAS #67-63-0	1 - 5
C	Alcohol Ethoxylates CAS #34398-01-1	1 - 5
D	Pine Oil CAS #8002-09-3	1 - 5
E	Water CAS #7732-18-5	60 - 100

## SECTION III - HAZARDS IDENTIFICATION

**Emergency Overview**  
 Appearance and Odor: Amber Liquid, Pine Scent.  
 Primary Hazards: Flammable, irritant.  
**Potential Health Hazards**  
 Route(s) of Entry: Skin Absorption: X Ingestion: Inhalation: X  
 Eye: May cause burns if contact occurs.  
 Skin: May cause burns if contact occurs.  
 Ingestion: May be harmful if swallowed.  
 Inhalation: Overexposure to vapors may be harmful.  
 Signs and Symptoms of Exposure: Irritation and/or burning sensation on contact.  
 Carcinogenicity: NTP? No IARC Monographs? No  
 OSHA Regulated? No

Target Organ (s):  
 Medical Conditions Generally Aggravated by Exposure: N. Av.  
 Health Hazards, Chronic: N. Av.

## SECTION IV - FIRST AID MEASURES

**Emergency and First Aid Procedures:**  
**IF IN 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.  
**IF ON SKIN OR CLOTHING:** Take off contaminated clothing. Rinse skin immediately with plenty of water for 15 - 20 minutes. **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.

Call a poison control center or doctor for treatment advice. Have the product container or label with you when calling a poison control center or doctor or going for treatment.

Sources Used: Raw material data, general toxicology from the trade for similar products, EPA approved label.

## SECTION V - FIRE FIGHTING MEASURES

Flammability: Flammable Autoignition Temperature: N. Av.  
 Flash Point (method used): 110°F Tcc  
 Flammable Limits: N. Av. LEL UEL  
 Extinguishing Media  
 Water? Foam? Water Fog? X  
 Alcohol Foam? X CO2? X Dry Chemical? X  
 Vaporizing Liquid? X Other?  
 Special Fire Fighting Procedures: N. Av.  
 Unusual Fire and Explosion Hazards: N. Av.  
 TDG Flammability Classification: 3.3  
 Sensitivity to Mechanical Impact: None  
 Sensitivity to Static Discharge: Ignitable above flashpoint.

## SECTION VI - ACCIDENTAL RELEASE MEASURES

Steps to be Taken in Case Material is Released or Spilled:  
 Dike and contain spill with inert material (sand, earth, etc). Collect spill with mop, absorbent material (example: floor-dri) or vacuum. Thoroughly rinse affected area with water.

## SECTION VII - HANDLING AND STORAGE

**Precautions to be Taken in Handling and Storing:**  
 Do not contaminate food or water by storage or disposal. Store only in original containers. See label instructions for container disposal. Do not reuse empty container.  
**Other Precautions:** Keep out of reach of children. Do not breathe spray mist.

## SECTION VIII - EXPOSURE CONTROLS/PERSONAL PROTECTION

Respiratory Protection (Specify Types): Not required. Dust/mist respirator is recommended to prevent inhalation of mists when spraying cleaning chemicals.  
 Ventilation: Local Exhaust: Not required Special: Not required  
 Mechanical (General): Provide ventilation adequate to disperse cleaner vapors and or mists. Other: Not required  
 Protective Gloves: Natural rubber or synthetic.

Eye Protection: Approved safety goggles or glasses. Footwear: Not required  
 Other Protective Clothing or Equipment: Not required  
 Work/Hygienic Practices: Do not contaminate food or beverages with cleaning chemicals.

## SECTION IX - PHYSICAL/CHEMICAL CHARACTERISTICS

Boiling Point: Approximately 212°F pH: 7 - 8  
 Specific Gravity (H2O) = 1: .992 % Volatile: 60 - 100  
 Vapor Density (Air = 1): < 1 Odor Threshold: N. Av.  
 Evaporation Rate (Butyl Acetate = 1): N. Av. Oil/Water Distribution  
 Solubility in Water: Complete Coefficient: N. Av.  
 Vapor Pressure (MM HG): N. Av. Melting Point: N. Ap.

## SECTION X - STABILITY AND REACTIVITY

Stability: Unstable: Stable: X  
 Conditions to Avoid: N. Ap.  
 Incompatibility (materials to avoid): Do not mix with other cleaners or deodorants.  
 Hazardous Decomposition or By-products: N. Av.  
 Hazardous Polymerization: May occur: Will not occur: X  
 Conditions to Avoid: N. Ap.

## SECTION XI - TOXICOLOGICAL INFORMATION

Chemical	OSHA PEL	ACGIH TLV	Recom.	LD50	LC50
A	N. Av.	N. Av.	N. Av.	.34 ml/kg* (rat, oral)	2.8 ml/kg* (rat, oral)
B	400 ppm	400 ppm	N. Av.	5,480 mg/kg (rat, oral)	12,000 ppm (rat, 8 hr.)
C	N. Ap.	N. Ap.	N. Ap.	0.7 - 1.7 gm/kg (rat, oral)	N. Av.
D	N. Av.	N. Av.	N. Av.	N. Av.	N. Av.
E	N. Av.	N. Av.	N. Av.	N. Av.	N. Av.

\* Estimate based on closely related material.  
 Teratogen, Mutagen, Reproductive Toxin Status: No  
 Toxicologically Synergistic Products: N. Av.

## SECTION XII - ECOLOGICAL INFORMATION

Ecotoxicological Information: N. Av.  
 Chemical Fate Information: N. Av.

## SECTION XIII - DISPOSAL CONSIDERATIONS

Waste Disposal Method:  
 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.

RCRA Hazard Class: Regulated by FIFRA

## SECTION XIV - TRANSPORT INFORMATION

Shipping Classification: Flammable liquid, NOS (containing isopropanol), class 3  
 UN Number: 1993  
 Packing Group: III

## SECTION XV - PREPARATION DATA

Prepared By: Mike Elms  
 Telephone Number: 651-481-1900  
 Date: 12-09

## SECTION XVI - REGULATORY INFORMATION

US Federal Regulations  
 TSCA Status: All ingredients listed.  
 CERCLA Reportable Quality: N. Av.  
 SARA Title III  
 Section 302 Extremely Hazardous Chemicals: None  
 Section 311/312 Hazard Category: Immediate health hazard  
 Section 313 Toxic Chemicals: None  
 State Regulations

## International Regulations

WHMIS Controlled Product Hazard Class: E, B3

## SECTION XVII - OTHER INFORMATION

N. Ap. - Not Applicable; N. Av. - Not Available

## NFPA SYSTEM

2 A. Health Hazard 2 A. Fire Hazard 0 A. Reactivity Hazard

THE INFORMATION CONTAINED HEREIN IS BASED ON DATA CONSIDERED ACCURATE, HOWEVER NO WARRANTY IS EXPRESSED OR IMPLIED REGARDING THE ACCURACY OF THESE DATA OR THE RESULTS TO BE OBTAINED FROM THE USE THERE OF. MINUTEMAN INTERNATIONAL, INC. ASSUMES NO RESPONSIBILITY FOR PERSONAL INJURY OR PROPERTY DAMAGE TO VENDEES, USERS OR THIRD PARTIES CAUSED BY THE MATERIAL. SUCH VENDEES OR USERS ASSUME ALL RISKS ASSOCIATED WITH THE USE OF THE MATERIAL.