

ENDBAC II DISINFECTANT SPRAY

National Fire Protection Association (NFPA)	Fire Hazard		Hazardous Material Information System (HMIS)	Health	1		
	Health			Fire Hazard	4		
	Reactivity			Reactivity	0		
	Specific Hazard						
	Protective Clothing	None required.		Emergency Overview	Clear Colorless. Aerosol. See Section 9. CAUTION: CONTENTS UNDER PRESSURE. May cause eye and skin irritation.		

Section 1. Chemical Product and Company Identification

Product Name		ENDBAC II DISINFECTANT SPRAY		Code	54746
Product Use		Industrial/Institutional: Disinfectant.		PMS#	3021309
MSDS#		124740001		Validation Date	11/12/2002
U.S. Headquarters		Canadian Headquarters		Print Date	11/12/2002
Johnson Wax Professional 8310 16th Street Sturtevant, Wisconsin 53177-0902 Phone: (888) 352-2249 MSDS Internet Address: www.jwp.com		Johnson Wax Professional 100 Matheson Blvd. East, Suite 203 Mississauga, Ontario L4Z 2G7 Phone: (905) 755-0913 or (888) 746-5971		Supersedes	No Previous Validation.
				In Case of Emergency	(800) 851-7145

Section 2. Composition and Information on Ingredients

Ingredients	CAS #	% by Weight	Exposure Limits	LC50/LD50
n-Alkyl Dimethyl Ethylbenzyl Ammonium Chlorides	68956-79-6	<0.1	Not available.	ORAL (LD50): Acute: 500 mg/kg [Rat].
n-Alkyl Dimethyl Benzyl Ammonium Chlorides	68391-01-5	<0.1	Not available.	ORAL (LD50): Acute: 500 mg/kg [Rat].
Butane	106-97-8	1-5	TWA: 1900 (mg/m ³) from OSHA (PEL) [United States] TWA: 1900 (mg/m ³) from ACGIH (TLV) [United States]	Not available.
Propane	74-98-6	3-7	TWA: 1800 (mg/m ³) from OSHA (PEL) [United States] TWA: 4508 (mg/m ³) from ACGIH (TLV) [United States]	Not available.
Isobutane	75-28-5	10-30	Not available.	VAPOR (LC50): Acute: 0.0057 ppm 0.25 hours [Rat].
Water	7732-18-5	10-30	Not available.	Not available.
Ethanol	64-17-5	30-60	TWA: 1880 (mg/m ³) from ACGIH (TLV) [United States]	ORAL (LD50): Acute: 7060 mg/kg [Rat]. 3450 mg/kg [Mouse]. 6300 mg/kg [Rabbit]. VAPOR (LC50): Acute: 20000 ppm 10 hours [Rat]. 39 mg/m ³ 4 hours [Mouse].

Section 3. Hazards Identification

Routes of Entry	Inhalation. Skin contact. Eye contact.
Potential Acute Health Effects	
Eyes	May be mildly irritating to eyes.
Skin	May be mildly irritating to skin.
Inhalation	May be irritating to nose, throat, and respiratory tract.
Ingestion	May be irritating to mouth, throat and stomach.

Medical Conditions	Individuals with chronic respiratory disorders such as asthma, chronic bronchitis, emphysema, etc., may
Aggravated by Overexposure:	be more susceptible to irritating effects.

See Toxicological Information (section 11)

Section 4. First Aid Measures

Eye Contact	Flush immediately with plenty of water. Get medical attention if irritation occurs.
Skin Contact	Flush immediately with plenty of water. Get medical attention if irritation occurs.
Inhalation	If breathing is difficult: Remove to fresh air. Get medical attention.
Ingestion	Immediately drink plenty of water. Seek immediate medical attention.

Section 5. Fire Fighting Measures

Flammability of the Product	NFPA 30B Level 2 Aerosol.
Flash Points	< 7°C (propellant).
Products of Combustion	None known.
Fire Fighting Media and Instructions	Use water spray to keep fire-exposed containers cool. Dry chemical, carbon dioxide. Fight fire from protected location or maximum possible distance. In case of fire and/or explosion do not breathe fumes.
Protective Clothing (Fire)	Put on appropriate personal protective equipment (see Section 8.).
Special Remarks on Fire and Explosion Hazards	Aerosol product - Containers may rocket or explode in heat of fire.

Section 6. Accidental Release Measures

Personal Precautions	Put on appropriate personal protective equipment (see Section 8.).
Environmental Precautions and Clean-up Methods	Eliminate all ignition sources. In the event of major spillage: Use appropriate containment to avoid environmental contamination. Take up with sand or other non-combustible material. Place in suitable clean, dry containers for disposal by approved methods.

Section 7. Handling and Storage

Handling	Avoid contact with eyes, skin, and clothing. Avoid breathing vapors or spray mists. Wash thoroughly after handling. Use only in well-ventilated areas. Do not puncture or incinerate. FOR INDUSTRIAL USE ONLY.
Storage	Store in a dry, cool and well-ventilated area. Protect from freezing. Keep away from heat, sparks and flame. Pressurized container: protect from sunlight and do not expose to temperature exceeding 50°C. Do not pierce or burn, even after use. KEEP OUT OF REACH OF CHILDREN.

Section 8. Exposure Controls/Personal Protection

Engineering Controls	No special ventilation requirements. General room ventilation is adequate.
Personal Protection	
Eyes	No special requirements under normal use conditions.
Hands	No special requirements under normal use conditions.
Respiratory	No special requirements under normal use conditions.
Feet	No special requirements under normal use conditions.
Body	If major exposure is possible, wear suitable protective clothing.

Section 9. Physical and Chemical Properties

Physical State and Appearance	Liquid. (Aerosol.)
Odor	Mild. Alcohol like.
Color	Clear Colorless.
pH	9 to 10 [Basic.]
Specific Gravity	0.72
Vapor Density	1 Air = 1

Evaporation Rate	<1
Solubility in water	Appreciable.

Section 10. Stability and Reactivity

Stability and Reactivity	The product is stable.
Conditions of Instability	Excessive heat.
Incompatibility with Various Substances	Reactive with oxidizing agents.
Hazardous Decomposition Products	When exposed to fire: Produces normal products of combustion.
Hazardous Polymerization	Will not occur.

Section 11. Toxicological Information

Acute toxicity	Not available.
Effects of Chronic Exposure	None known.
Other Toxic Effects	Not available.

Section 12. Ecological Information

Not available.

Section 13. Disposal Considerations

Waste Information	PESTICIDAL WASTE - Observe all applicable Federal/Provincial/State regulations and Local/Municipal ordinances regarding disposal of pesticide wastes.
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Section 14. Transport Information

DOT Classification

TDG Classification

TDG Proper Shipping Name TDG Class	Please refer to the Bill of Lading/receiving documents for up to date shipping information.
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Section 15. Regulatory Information

Reporting in this section is based on ingredients disclosed in Section 2

US Regulations

Federal	Clean air act (CAA) 112 accidental release prevention: Butane, Ethanol Clean air act (CAA) 112 regulated flammable substances: Butane, Propane, Isobutane CERCLA: Hazardous substances.: Propane, Isobutane, Ethyl Alcohol
State	New Jersey: Butane, Propane, Isobutane, Ethanol, Ethyl Alcohol Massachusetts spill list: Butane, Propane, Isobutane, Ethyl Alcohol Massachusetts RTK: Butane, Propane, Isobutane, Ethanol, Ethyl Alcohol Pennsylvania RTK: Butane, Propane, Isobutane, Ethanol, Ethyl Alcohol This product is not subject to the reporting requirements under California's Proposition 65.

Registered Product Information	Not applicable.
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Canadian Regulations

WHMIS Classification	Not controlled under WHMIS (Canada).
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WHMIS Icon

Registered Product Information	DIN: 02244932
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Chemical Inventory Status

All ingredients of this product are listed or are excluded from listing on the U.S. Toxic Substances Control Act (TSCA) Chemical Substance Inventory.

Section 16. Other Information**Other Special
Considerations**

Not available.

Version

1.01

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