



MATERIAL SAFETY DATA SHEET

According to US Regulation ANSI Z400.1-2004

Print date: 31-Aug-2009

1. PRODUCT AND COMPANY IDENTIFICATION

MSDS Number D0036512

Commercial Product Name Professional Amphyll® III Disinfectant Deodorant Spray

Validation/Revision Date: 31-Aug-2009

Formula Number: 1139-166 (0089544)

Product Identifier: EPA Reg. No. 777-99-675

UPC Code(s) and Size: 0 36241 083300 7 (13 oz. Aerosol can)

Product Description: Disinfectant aerosol spray.

Manufacturer: Reckitt Benckiser Inc.
Morris Corporate Center IV
399 Interpace Parkway (P.O. Box 225)
Parsippany, New Jersey 07054-0225
Telephone: +1 973 404 2600

Emergency Telephone Number: 1-800-228-4722 (U.S.)

Transportation Emergencies: 1-800-424-9300 (U.S. & Canada) CHEMTREC
Outside U.S. and Canada (North America), call Chemtrec:703-527-3887

2. COMPOSITION/INFORMATION ON INGREDIENTS

Chemical Name	Proportion (% w/w)	ACGIH - Occupational Exposure Limits - TWAs	OSHA PEL
Ethanol 64-17-5	30 - 60 %	= 1000 ppm TWA	TWA: 1900 mg/m ³ TWA: 1000 ppm TWA: 1900 mg/m ³
Petroleum gases, liquefied, sweetened 68476-86-8	5 - 10 %	-	-

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3. HAZARDS IDENTIFICATION

EMERGENCY OVERVIEW:

FLAMMABLE

CAUTION: Contents under pressure.

DO NOT puncture or incinerate. **DO NOT** expose to heat or store above 55° C (130° F), as container may burst.

Keep away from heat, sparks and open flame.

Causes moderate eye irritation.

Do not spray in eyes, on skin or on clothing.

Wash thoroughly with soap and water after handling and before eating, drinking, chewing gum or using tobacco.

KEEP OUT OF REACH OF CHILDREN

4. FIRST AID MEASURES

Inhalation	Move to fresh air
Skin Contact	Wash off immediately with soap and plenty of water removing all contaminated clothes and shoes
Eye Contact	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. Call a poison Control Center or Doctor for treatment advice.
Ingestion	Call a physician or Poison Control Center immediately. Clean mouth with water and afterwards drink plenty of water. Do not induce vomiting.
Notes to Physician	Contains Denatured Ethyl Alcohol Ingestion may result in ethanol poisoning
Aggravated Medical Conditions:	No information available.

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5. FIRE-FIGHTING MEASURES

Flash point:	18.6°C (65.5°F) Aerosol flame extension less than 18 inches (45 cm). FLAMMABLE AEROSOL.
Flammability Limits in Air:	
Lower	No information available.
Upper	No information available.
Autoignition Temperature:	No information available.
Suitable Extinguishing Media:	Use water spray, dry chemical, CO ₂ , or "alcohol" foam as suitable for the surrounding fire conditions.
Extinguishing Media which must not be used for safety reasons:	No information available.
Specific hazards:	Contents under pressure. Exposure to temperatures above 55° C (130° F) may cause bursting. Keep away from extreme heat, sparks or open flame.
Unusual hazards:	Aerosol cans may explode with extreme heat and become projectiles.
Special Protective Equipment for Fire Fighters:	As in any fire, wear self-contained breathing apparatus, pressure-demand, MSHA / NIOSH (approved or equivalent) and full protective gear.
Precautions for Fire Fighters:	Standard procedure for chemical fires. Move aerosol containers away from fire if possible and safe to do so. Use water spray to cool fire exposed containers. Provide shielding to protect firefighters from venting, rupturing or bursting containers.
<u>NFPA Aerosol Level:</u>	Flammability Rating 1, per NFPA 30B.
<u>NFPA:</u>	Health Hazard: 1 Flammability: 1 Instability: 0
<u>HMIS:</u>	Health Hazard: 1 Flammability: 3 Reactivity: 0
<u>Key:</u>	Personal Protection Index = B. (Also see Sections 3 & 8)

6. ACCIDENTAL RELEASE MEASURES

Personal Precautions:	Ensure adequate ventilation.
Environmental Precautions:	Do not allow material to contaminate ground water system.
Methods for Cleaning Up	Small spills: Wearing appropriate protective equipment, soak up with an inert absorbent material and dispose of in an appropriate waste container. Rinse surface residue and flush to sink or sanitary sewer. Large Spills: Eliminate all sources of ignition and ventilate the area with equipment rated for use in flammable environments. Collect any remaining liquid and store in metal container for later disposal according to local, state, provincial or federal regulations.

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7. HANDLING AND STORAGE

Handling: Ensure adequate ventilation.

Safe Handling Advice: Use only as directed on the container label.
Avoid contact with eyes, skin and clothing.
CAUTION: Contents under pressure. DO NOT puncture or incinerate. DO NOT expose to heat or store above 55° C (130° F), as container may burst.

NOTE TO PARENTS: Intentional misuse by deliberately concentrating and inhaling aerosol products may be harmful or fatal. Read label instructions carefully.
KEEP OUT OF REACH OF CHILDREN

Storage: Keep away from open flames, hot surfaces and sources of ignition
Store in cool/well-ventilated place

Conditions for Safe Storage: CONTAINERS SHOULD BE KEPT OUT OF REACH OF CHILDREN.
Pressurised container. Protect from sunlight and do not expose to temperatures exceeding 55°C. Do not pierce or burn after use. Keep away from all sources of ignition.
Fires involving flammable aerosols are severe and can spread very quickly. Warehouses and stores containing aerosols should therefore be separated from other areas by a fire resistant construction of at least one half hour duration. Stores should be well ventilated, particularly at low levels. The natural ventilation in a large open warehouse building will normally be suitable. Avoid the storage of aerosols in basements where practicable.

EPA Registered Product: It is a violation of federal law to use this product in a manner inconsistent with its labeling.

8. EXPOSURE CONTROLS / PERSONAL PROTECTION

Chemical Name	ACGIH TLV	OSHA PEL
Ethanol 64-17-5	TWA: 1000 ppm	TWA: 1900 mg/m ³ TWA: 1000 ppm TWA: 1900 mg/m ³
Petroleum gases, liquefied, sweetened 68476-86-8	-	-

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Engineering Controls: For occupational exposures, ensure adequate ventilation.

Personal Protective Equipment

Respiratory Protection: None required under normal usage.
Use only with adequate ventilation
In the case of respirable dust and/or fumes, use self-contained breathing apparatus

Hand Protection: Avoid contact with skin
For prolonged or repeated contact use protective gloves
Wear impermeable gloves when handling.

Eye Protection: Causes moderate eye irritation.
Avoid spraying into eyes.
Wear appropriate eye protection.
Emergency responders should wear full eye and face protection.

Skin and Body Protection: Usual safety precautions while handling the product will provide adequate protection against injury or irritation. Follow product label instructions.

Hygiene Measures: Avoid contact with eyes, skin, and clothing.
Wash thoroughly with soap and water after handling.

9. PHYSICAL AND CHEMICAL PROPERTIES

Physical State: Liquid.
Appearance: Aerosol
Colour: Clear
Odour: Characteristic.
pH 10.5

Flash Point: 18.6°C / 65.5°F
Autoignition Temperature: No information available.
Specific gravity [g/mL]: > 1.0
Vapour Pressure: 95 - 105 psig
Solubility: Completely soluble.

Explosion limits:
- upper: No data available.
- lower: No data available.

10. STABILITY AND REACTIVITY

Stability: Stable under recommended storage conditions. DO NOT expose to heat or store above 55° C (130° F) as container may burst.

Conditions to Avoid: Keep away from open flames, hot surfaces and sources of ignition. Extremes of temperature and direct sunlight. Avoid temperatures above 55 °C.

Materials to Avoid: Oxidizing agents Do not mix with other household chemicals.

Hazardous Decomposition Products: Oxides of carbon and unknown organic compounds.

Polymerization: Hazardous polymerisation does not occur.

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11. TOXICOLOGICAL INFORMATION

PRODUCT TOXICITY DATA

LD₅₀ Oral: No information available

LD₅₀ Dermal: No information available

LC₅₀ Inhalation (Dust): No information available

LC₅₀ Inhalation (Vapor): No information available

Acute Effects:

Eye Irritation Moderate eye irritation

Skin Irritation None expected during normal conditions of use.

Inhalation None expected during normal use. However intentional misuse by deliberately concentrating and inhaling the contents may be harmful or fatal.

NOTE TO PARENTS: Intentional misuse by deliberately concentrating and inhaling aerosol products may be harmful or fatal.

Ingestion May be harmful if swallowed.
Contains denatured ethyl alcohol.
See Section 4 for First Aid instructions.

Sensitization Not expected to be a skin sensitiser.

Specific Effects

Carcinogenic Effects: Not listed as carcinogenic by OSHA, NTP or IARC.

Mutagenic Effects No information available.

Reproductive Toxicity: No information available.

Additional Toxicity Information: Information is based on available component data and toxicity result of similar products.

COMPONENT TOXICITY DATA

Chemical Name	CAS#	LD50 Oral - With Units - Rat - mg/kg	LD50 Dermal - With Units - Rat/Rabbit - mg/kg	LC50 Inhalation - With units - Rat/Rabbit
Ethanol	64-17-5	7060 mg/kg (Rat)		

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12. ECOLOGICAL INFORMATION

PRODUCT TOXICITY DATA

Aquatic toxicity: No information available

COMPONENT TOXICITY DATA

Ethanol

64-17-5 (30 - 60 %)

Freshwater Algae -

Freshwater Fish LC50 = 12900 mg/L Oncorhynchus mykiss 96 h
LC50 = 14.2 mg/L Pimephales promelas 96 h

Microtox EC50 = 34634 mg/L 30 min
EC50 = 35470 mg/L 5 min

Water Flea EC50 = 10800 mg/L 24 h
EC50 = 9268 mg/L 48 h

Petroleum gases, liquefied, sweetened

68476-86-8 (5 - 10 %)

Freshwater Algae -

Freshwater Fish -

Microtox -

Water Flea -

Other Information

Ozone Depletion Potential (ODP) (R-11 = 1):

No information available.

Global Warming Potential (GWP):

No information available.

Additional Ecological Information:

Information given is based on data on the components and the ecotoxicology of similar products.

13. DISPOSAL CONSIDERATIONS

Waste from residues / unused products:

Dispose of in accordance with local regulations.

Contaminated Packaging:

Empty container can be disposed of as household trash or rinsed and recycled where appropriate.

Waste Disposal:

Container disposal: Empty containers may be included with domestic refuse for disposal to a landfill. This container may also be recycled in communities where aerosol container recycling is available. Before offering for recycling, empty the can or use the product according to the label instructions.

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14. TRANSPORT INFORMATION

DOT

Proper shipping name: Consumer Commodity
UN-No: UN1950
Hazard Class Not applicable.
Subsidiary Class Not applicable.
Packing group: Not applicable.
Reportable Quantity (RQ): Not applicable
Classification: UN 1950, Aerosols, Class 2.1
 Re-classed as Consumer Commodity ORM-D
Emergency Response Guide No: 171/126

TDG

Proper shipping name: Consumer Commodity/LTD. QTY
UN-No: UN1950
Packing group: Not applicable.
Classification: UN 1950, Aerosols, Class 2.1
 Re-classed as Consumer Commodity/LTD. QTY

MEX

Not applicable.

ICAO

See IATA

IATA

UN-No: UN1950
Proper shipping name: Aerosols, flammable / Consumer Commodity
Hazard Class 2.1 (9 if shipped as a Consumer Commodity)
Subsidiary Class Not applicable.
Packing group: Not applicable.
Classification UN1950, Aerosols, flammable, Limited Quantity.
 or
 Consumer Commodity, ID 8000, if acceptable to airline.
Maximum quantity See DG List.

IMDG/IMO

Proper Shipping Name Aerosols
Hazard Class 2
Subsidiary Risk: Not applicable
UN-No UN1950
Packing Group Not applicable.
IMDG Page: See IMDG Code.
Marine Pollutant Not applicable
EmS: F-D, S-U
MFAG: Not applicable.
Maximum quantity: See IMDG Code.
Classification: UN1950, Aerosols, Class 2.1, Limited Quantity

RID

Not applicable.

ADR

Not applicable.

ADN

Not applicable.

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15. REGULATORY INFORMATION

Chemical Name	PICCS	TSCA	DSL	NDSL	ENCS	CHINA	AICS	ENECS/ ELINCS	South Africa STELs
Ethanol		Present	X		X	X	X	200-578-6	
Petroleum gases, liquefied, sweetened		Present	X			X	X	270-705-8	

U.S. Regulations:

Ethanol - 64-17-5

NJRTK X

Appearance Colorless, clear, volatile liquid

Petroleum gases, liquefied, sweetened - 68476-86-8

NJRTK Not Listed.

Appearance None.

SARA313 None

Chemical Name

California Prop. 65

Ethanol - 64-17-5

Developmental

Petroleum gases, liquefied,

Not Listed

sweetened - 68476-86-8

WHMIS (Canada)

WHMIS Hazard Class

B5 Flammable aerosol

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16. OTHER INFORMATION

**National Fire
Protection Association
(U.S.A.):**



HMIS (U.S.A.):

Health Hazard	1
Fire Hazard	3
Reactivity	0
PERSONAL PROTECTION	B

Note: NFPA Aerosol Level: Flammability rated as "1" per NFPA 30B.

Reason for revision: Not relevant

Additional advice: This product should only be used as directed on the label and for the purpose intended.

Prepared by: Reckitt Benckiser (U.S.) Inc.
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Montvale, New Jersey 07646-1810 USA.
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