

MATERIAL SAFETY DATA SHEET

IDENTITY Oralescence Breath Deodorant

Section 1 - Manufacturer

Mann Chemicals
757 Logan Street
Louisville, KY 40204-1848

Emergency and information:

(602) 585-2001

Date Prepared: 4/18/2000

Section 2 - Hazardous Ingredients/Identity

Alcohol (Ethanol - denatured) 63% by volume

Section 3 - Physical and Chemical Characteristics

Boiling Point:	Approx 80°C	Specific Gravity (water=1):	0.98
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Vapor Pressure: Approx 44 torr at 25°C Melting Point: N.A.

Vapor Density (air-1): 2.1 Evaporation Rate: approx 2.5
(Butyl acetate = 1)

Solubility in water:	100%	Appearance and Odor:	clear, orange, spicy odor
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Section 4 - Fire and Explosion Hazard Data

Flash Point Approx. 63°F

Explosion limits	Upper	Approx 12%
	Lower	Approx 2%

Extinguishing media **CO₂, dry chemical, water mist, or alcohol foam**

Special procedures: Use full protection, including self-contained breathing apparatus. Keep exposed containers cool with water spray.

Unusual hazards None

Section 4 - Reactivity Data

Incompatibilities

Oxidizers, including hydrogen peroxide

Hazardous polymerization	Will not occur
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Section 6 - Health Hazard Data

Health hazards:	Inhalation:	Acute:	Coughing, shortness of breath, intoxication
		Chronic:	Same
	Eye:	Acute:	Burning, redness. May produce serious damage.
	Skin:	Acute:	May irritate open wound
		Chronic:	Burning, itching, redness of skin
	Ingestion:	Acute:	Burning of gastrointestinal tract. Large doses (e.g. 1 pint) fatal
		Chronic:	Same

Carcinogenicity:

None known

Signs and symptoms of exposure:

Depression, skin irritation, coughing, etc., as described above.

Medical conditions generally aggravated by exposure:

Open wounds may be irritated.

Dermatitis may be aggravated.

Emergency and first aid procedures:

Remove to area without vapors. Flush skin and/or eyes with water to remove.

In case of ingestion, treat as serious poisoning.

Section 7 - Precautions for Safe Handling and Use

Steps to be taken if material is spilled or released: Flush with copious amounts of water.

Waste disposal methods: Small amounts
Large spills

Standard disposal procedures. Do not incinerate containers. Using appropriate equipment, transfer material to appropriate containers for disposal. Treat as very flammable.

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Precautions for handling and storage:

Store in original containers. Do not freeze or subject to high temperatures (>120°F). Always wear safety glasses while handling. Use with proper ventilation.

Other precautions:

None

Section 8 - Control Methods

Respiratory protection: None needed for normal use with proper ventilation. SCBA needed for handling spills.

Ventilation: Good room ventilation is adequate for normal use.

Protective Equipment:	Eyes	Safety glasses
	Hands	None needed
	Other	None needed for normal use

Work/hygenic practices: Rinse hands after use.