



104 Morrow Branch Road, Leicester, NC 28748 Tel: 828-683-3523 Toll Free: 855-786-6283 Fax: 828-683-3511

Revision: 1
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MATERIAL SAFETY DATA SHEET for SunMate® Cushion Material

I. PRODUCT IDENTIFICATION

Trade Name: SunMate®
Manufacturing Site: Dynamic Systems, Incorporated
104 Morrow Branch Road
Leicester, North Carolina 28748
USA
Information Phone: 828-683-3523
Toll Free: 1-855-786-6283
Chemical Family: Flexible Polyurethane Foam
Formula: N/A

II. PHYSICAL DATA

Boiling Range: N/A
Density: Approximately 5 to 6 lb/ft³
Vapor Density: N/A
Form: White cellular foam (pigment added for color)
Melting Point: Does not melt
Evaporation Rate: Not volatile
Odor: Negligible
Solubility: Not soluble in water

III. HAZARDOUS COMPONENTS

N/A

IV. HAZARDOUS REACTIVITY

Instability: Decomposition may occur at temperatures in excess of 350°F and produce flammable gases, carbon monoxide and carbon dioxide.

V. FIRE AND EXPLOSION DATA

Safety Precautions: Avoid contact with direct flame or temperatures in excess of 300°F.
Fire Hazards: SunMate® will not ignite from constant exposure to burning cigarettes. It will burn slowly from direct flame contact. Fumes emitted by burning SunMate® will have a low acid toxicity and are breathable for sustained periods; however, the fumes are considered toxic and hazardous to breathe.
Fire and Explosion Hazards: Exposure to temperatures in excess of 350°F can produce combustible vapors.
Special Fire Fighting Instruction: Methods used for fighting wood fires are suitable; e.g., water, CO₂, sand, etc. Wear organic vapor mask to prevent inhalation of fumes.

VI. HEALTH HAZARD INFORMATION

SunMate® is not known to cause skin irritation and is considered non-allergenic, although isolated exceptions may exist. Ingestion is neither known nor suspected to be chemically hazardous. Consult a physician if mechanical blockage is suspected as a result of swallowing foam.

VII. PROTECTION INFORMATION

No special precautions are required for normal use.

VIII. DISPOSAL INFORMATION

Disposal methods are to comply with federal, state, and local environmental pollution abatement laws and regulations. If burned, combustion products are similar to those generated by oil, paper, or polyurethane-type plastic products. The solid foam material is considered nontoxic and nonhazardous and may normally be disposed of as a solid landfill waste.

IX. SHIPPING

Neither regulated nor restricted as hazardous material by the U.S. Department of Transportation (DOT).

X. STORAGE

Do not store with strong oxidants. Store at temperatures below 150°F.