

Material Safety Data Sheet

May be used to comply with OSHA's Hazard Communication Standard, 29 CFR 1910.1200. Standard must be consulted for specific requirements.

U.S. Department of Labor

Occupational Safety and Health Administration
(Non-Mandatory Form)
Form Approved
OMB No. 1218-0072



IDENTITY (As Used on Label and List) **Comfi-Tips** *Note: Blank spaces are not permitted. If any item is not applicable or no information is available, the space must be marked to indicate that.*

Section I

Manufacturer's Name Almore International, Inc.	Emergency Telephone Number (503) 643-6633
Address (Number, Street, City, State, and ZIP Code)	Telephone Number for Information (503) 643-6633
P.O. Box 25214 • Portland, OR 97298	Date Prepared 06/10/2004
	Signature of Preparer (optional)

Section II — Hazardous Ingredients/Identity Information

Hazardous Components (Specific Chemical Identity: Common Name(s))	OSHA PEL	ACGIH TLV	Other Limits Recommended	%(optional)
Polyurethane Foam 9009-54-5	None Established	None Established		100%

Polyurethane foam is a fully cross-linked reaction product of polyhydroxy polyol, toluene di-isocyanate, catalysts, surfactants, pigments, and water. Polyurethane foam product is a polymeric material consisting of repeating units of carbon, hydrogen, oxygen, and nitrogen.

Section III — Physical/Chemical Characteristics

Boiling Point	N/A	Density	0.5 - 40 lbs/cft
Vapor Pressure (mm Hg.)	N/A	Melting Point	350-375°F (176-190°C)
Vapor Density (AIR = 1)	N/A	Evaporation Rate (Butyl Acetate = 1)	N/A

Solubility in Water Insoluble

Appearance and Odor Uniform cellular solid structure of varying colors with slight characteristic odor

Section IV — Fire and Explosion Hazard Data

	Flammable Limits N/A	LEL N/A	UEL N/A
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Flash Point (Method Used) Decomposition products flash at >500°F (260°C)

Extinguishing Media Dry chemical; water; carbon dioxide

Special Fire Fighting Procedures Wear self-contained breathing apparatus in enclosed areas

Unusual Fire and Explosion Hazards If ignited, foam can produce rapid flame spread, intense heat, dense black smoke, and toxic gases. Material can melt into a burning liquid that can drip and flow.

Section V — Reactivity Data

Stability	Unstable		Conditions to Avoid High temperature, open flames, strong oxidizers (i.e. hypochlorites).
	Stable	✓	

Incompatibility (*Materials to Avoid*) Strong oxidizing acids - will degrade.

Hazardous Decomposition or Byproducts Carbon monoxide; acetaldehyde, acrylonitrile, TDI, polymer fragments, oxides of nitrogen & hydrogen cyanide. Fire retardant foams may generate emissions of hydrogen chloride, hydrogen bromide, hydrogen fluoride, or phosphoric acid.

Hazardous Polymerization	May Occur		Conditions to Avoid None identified
	Will Not Occur	✓	

Section VI — Health Hazard Data

Route(s) of Entry Inhalation? ✓ Skin? N/A Ingestion? N/A

Health Hazards (*Acute and Chronic*) Coarse dust can cause mechanical irritation of lungs and eyes. Airborne dust is evaluated as a nuisance dust. If ignited, foam may decompose and emit toxic gases and respiratory irritants.

Carcinogenicity: NTP? NO IARC Monographs? NO OSHA Regulated? NO

Signs and Symptoms of Exposure Skin burns, headaches from fumes, mild upper respiratory irritation.

Medical Conditions
Generally Aggravated by Exposure None Known

Emergency and First Aid Procedures
INHALATION: Remove to fresh air; contact physician if respiratory discomfort persists.
EYES: Flush eyes throughly with water for at least 15 minutes.

Section VII — Precautions for Safe Handling and Use

Steps to Be Taken in Case Material Is Released or Spilled No special response required -- sweep up.

Waste Disposal Method Federal, state, and local authorities should be contacted before attempting any form of disposal.

Precautions to Be Taken in Handling and Storing Protect from extreme high temperatures. DO NOT store near any ignition sources such as electrical or gas heating element, open flame and exposed light. DO NOT smoke in foam storage area.

Other Precautions Notify local fire companies of presence of large quantities of foam (bun).

Section VIII — Control Measures

Respiratory Protection (*Specify Type*) Should be selected based on identity and concentration of air contaminant. Only Use NIOSH-approved respirators for protection against the air contaminant of concern should be used.

Ventilation	Local Exhaust	Local exhaust ventilation for procedures that may generate dust	Special	N/A
	Mechanical (<i>General</i>)	N/A	Other	N/A

Protective Gloves N/A Eye Protection Recommended for operations that may generate dust.

Other Protective Clothing or Equipment See Special Fire Fighting procedures - Section IV

Work/Hygienic Practices N/A