

Foam N More Upholstery

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Material Safety Data Sheet Open Cell Foam

1177 W Maple Rd
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Section I- Material Identification

Product Name: Flexible Urethane Foam
Chemical Type: Polyether- Base urethane polymer
Trade Name and Synonyms: Flexible Polyurethane Foams, PUR foams, Flame Retardent foams, High Comfort foams.
HMIS Hazard Rating: Health: 1 Fire: 1 Reactivity: 0 PPE: XX

Section II- Hazardous Ingredients

The material is not made from chemicals components that are known to represent possible carcinogenic, mutagenic, or other chronic hazards.
However Toluene diisocyanate (TDI) mixed with Corn Oil administered to Lab Animals by gavage, have shown to be carcinogenic.

Section III- Physical & Chemical Characteristics

Since urethane foam is a solid, physical characteristics such as boiling point, vapor density, Percent volatiles, evaporation rate, etc. are not applicable.

Density: 0.9-4.0lbs. per cu. Ft
Ignition Point: 600-650 Degrees F
Autoignition Point: 750-800 Degree F
Appearance: Can come in any color. Looks like a cellular material similar to Foam rubber.

Section IV- Fire & Explosion Hazard Data

OSHA Classification: Combustible solid
NFPA Sprinkler Classifications: Upholstery with plastic- foams Extra Hazard
Extinguishing Media- Water Spray, Carbon Dioxide, Dry Powder
Fire Fighting Protection: Use NIOSH approved Self-contained breathing apparatus And proper protective clothing.
Unusual Fire Hazards: Once ignited, can produce rapid flame spread intense heat, Dense smoke and toxic gases. Can turn into burning liquid Which can drip and flow.

Section V- Physical Hazards

Reactivity: Stable. Hazardous polymerization will not occur.
Conditions to Avoid: Strong acids and alkalis will deteriorate foam properties.
Incompatibility: Unknown.
Hazardous Decomposition: Combustion, hot wire cutting, heat sealing, hot stamping, And flame laminating operations of foam may produce Carbon monoxide, oxides of nitrogen, and traces of isocyanates and And hydrogen cyanide.

Section VI- Health Hazards

Threshold Limit Value:	None established.
OSHA Permissible Exposure:	None established.
Acute Oral LD 50:	Greater than 5,000 mg/kg. (rat)
Acute Dermal LD 50 Limit:	No available data.
Primary Skin Irritant:	Not known to be an irritant.
Eye Irritation:	Dust can cause irritation.
Primary rout of Entry:	Foam dust- Inhalation
Inhalation:	Animal studies indicate that chronic overexposure to dusts May cause inflammation of the lungs, fibrosis and airway obstruction.

CHEMICAL LISTED AS CARCINOGEN OR POTENTIAL CARCINOGEN

National Toxicology Program:	No
I.A.R.C. Monographs:	No
OSHA:	No

Emergency First Aid

Skin: Does not apply

Ingestion: Does not apply

Eyes: Flush thoroughly with water

Inhalation: (of Dust): Call physician if coughing, discomfort, or air passage obstruction occurs.

Section VII- Special Protection Information

Ventilation: Use adequate mechanical ventilation when hot wire cutting, heatsealing, hot stamping, And flame-laminating flexible urethane foam. Also use ventilation in operations that will Generate large quantities of foam dust such as in continuous sawing, fabrication, or buffing Operations.

Protective Equipment: Unless exposure to foam dust is anticipated, goggles, gloves, and dust masks are Not required.

Section VIII- Special Precautions and Spill/Leak Procedures

Handling and Storage:

- Store buns, sheets, and fabricated items indoors under fusible sprinkler protection.
- Allow a minimum of six feet clearance between tops of foam stacks and sprinkler heads.
- Do Not Smoke or use naked lights, open flames, exposed electrical heating elements, Or other ignition sources near stored flexible foam.
- Store buns and sheets with adequate aisleways to permit access to all storage.
BEWARE that terms like "Fire-retardent" sometimes used to described flammability properties, Do not mean fire safety under all conditions and that small scale fire tests are "NOT INTENDED TO REFLECT HAZARDS PRESENTED BY THESE OR ANY OTHER MATERIALS UNDER ACTUAL FIRE CONDITIONS.
- When fabricating flexible polyurethane foam, keep a fire extinguisher nearby.

Water Disposal Methods: Sanitary landfills, commercial incineration. (CHECK LOCAL REGULATIONS)