

FOPAT LLC

MATERIAL SAFETY DATA SHEET

FOAM PATTERN F-101

1 CHEMICAL PRODUCT & COMPANY IDENTIFICATION

Trade Name F101
Manufacturer FOPAT LLC
2411 Crosspointe Dr.
Miamisburg, OH 45342
Telephone Number
866-289-2278
Product Class Polyurethane Foams
Product Number F-101

2 PRODUCT DESCRIPTION

F-101 is a water blown poly-urethane foam made of confidential polymeric blends. All substances used to manufacture F-101 are listed on the TSCA inventory. No halogen based flame-retardants or blowing agents, (CFC's or HCFC's), are used in the manufacture of this foam.

3 HAZARDS IDENTIFICATION

Hazardous Ingredients: None, the foam is supplied as an inert solid product only.

Emergency Overview

Dust from cutting, machining, or grinding may cause irritation to eyes and skin.

Health Effects: Eyes

Dust from cutting, machining, or grinding may cause mild irritation to eyes.

Health Effects: Skin

Prolonged and/or repeated skin contact may result in mild irritation or redness.

Health Effects: Inhalation

No significant effects expected from a single short-term exposure.

Health Effects: Ingestion

No significant adverse effects are expected upon ingestion of the product.

4 FIRST AID MEASURES

Eyes

Immediately flush eyes with plenty of water for at least 15 minutes. If irritation persists get medical attention.

Skin

For skin contact, flush with large amounts of soap and water. If irritation persists, get medical attention.

Inhalation

If symptoms are experienced, remove source of contamination or move victim to fresh air. If the affected person is not breathing, apply artificial respiration. If breathing is difficult, give oxygen. If symptoms persist, get medical attention.

Ingestion

If ingestion does occur, seek medical attention.

5 FIRE FIGHTING MEASURES

Flash Point (>316 °C), >600 F, similar to Cleveland Open Cup. This material will burn in the presence of sufficient heat and oxygen.

Extinguishing Media

Dry chemical, foam, carbon dioxide, water spray.

Fire Fighting Equipment! Instructions

Firefighters should wear full fire-fighting turn-out gear (full Bunker gear) including NIOSH-approved self-contained breathing apparatus with full face piece operated in the pressure demand or other positive pressure mode.

Hazardous Combustion Products

Irritating and/or toxic gases may be emitted upon the products decomposition.

6 ACCIDENTAL RELEASE MEASURES SPILL AND LEAK CLEAN UP PROCEDURES

Not Applicable. **The F-101 is intended for use in its solid form only.**

7 HANDLING & STORAGE

Handling Procedures

Avoid contact with skin and eyes. Use good personal hygiene practices. Wash hands before eating, drinking, etc. Wash thoroughly after work using soap and water.

Storage Procedures

Room temperature - normal conditions. Store in a manner to prevent possible combustion similar to that used for combustible solids, like wood.

8 EXPOSURE CONTROLS / PERSONAL PROTECTION

Personal Protective Equipment: **Eyes Face**

Wear safety glasses or goggles if cutting or machining operations are being performed.

Personal Protective Equipment: **Skin**

Protective gloves (rubber, vinyl, latex, leather) should be worn for prolonged contact.

Personal Protective Equipment: **Respiratory**

The inhaling of foam dust as with any dust should be avoided. A mechanical dust collection system should be used for cutting or machining operations that generates large quantities of dust. Standard dust or particle masks should be used in a dusty situation. If irritation is experienced, a NIOSH-approved respirator should be worn.

Medical conditions that may be aggravated by exposure include asthma, bronchitis, emphysema, skin allergies, and eczema. The possibility exists that people that are very sensitive to foams may also be sensitive to polyurethane foams. Should this be the case, those individuals need to be assigned to an area that does not have polyurethane foams.

9 PHYSICAL & CHEMICAL PROPERTIES

Form: Cellular Solid

Flash Point (>600 F), > 316 °C

Specific Gravity 0.10 to 0.60

Vapor Pressure Not Applicable

Water Solubility: Not Soluble

Hazardous Ingredients: None, the foam is supplied as an inert solid product only.

10 STABILITY & REACTIVITY

Chemical Stability

This is a stable material.

Incompatibility

No known incompatibilities.

Hazardous Decomposition

Upon decomposition, this product emits carbon monoxide, carbon dioxide and/or low molecular weight hydrocarbons.

Hazardous Polymerization will not occur.

11 TOXICOLOGICAL INFORMATION

Carcinogenicity

Tests with Spregue-Dawley rats at 8.85 mg cubic meter of polyurethane dust show no carcinogenic effects.

Toxic Gas Testing

Tests conducted according to AITM 3.0005 show under the Flaming and Non-Flaming conditions gas levels well below the max accepted levels. The average concentration (in parts per million, ppm) of following gas components of smoke did not exceed the limits listed in the table below:

	Limiting values as specified in the ABD 00031
· Hydrogen Fluoride HF	100 ppm vol
· Hydrogen Chloride HCl	150 ppm vol
· Hydrogen Cyanide HCN	150 ppm vol
· Sulfur Dioxide SO ₂ / H ₂ S	100 ppm vol
· Nitrous Gases NO / NO	100 ppm vol
· Carbon Monoxide CO	1000 ppm vol

12 DISPOSAL CONSIDERATIONS

Disposal Instructions

This substance, when discarded or disposed of, is not specifically listed as a Hazardous Waste in the Federal regulations. F-101 is inert foam which may be disposed of in an ordinary landfill; however, the transportation, storage, treatment and disposal of this material must be conducted in compliance with all applicable federal, state, and local regulations.

13 TRANSPORT INFORMATION

F-101 is NOT regulated or classified in a manner that requires special handling or precautions in shipment.

14 OTHER INFORMATION

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