

# Material Safety Data Sheet

## Pur Fill NF12

---

### IDENTIFICATION

Product Names: Pur Fill NF12

Manufacturer: FOMO PRODUCTS  
P.O. Box 1078  
Norton, OH 44203

Distributor: Todol Products  
P.O. Box 398  
20 Charles Street  
Natick, MA 01760  
Phone No: 800-252-3818  
Fax No: 508-651-0729

Product Overview: Pur Fill is a moisture curing urethane foam packaged in pressurized cans. The propellants are in compliance with the Montreal Protocol and do not contain any CFC's.

---

### EMERGENCY INFORMATION

For general chemical information call Todol Products  
(800) 252-3818, fax (508) 651-3818

For chemical emergency call Infotrac:  
(USA): (800) 535-5053

**For international transportation emergencies call Infotrac:  
(352) 323-3500**

---

---

COMPONENTS (hazardous materials)

<u>Chemical Name</u>	<u>CAS Number</u>	<u>%age</u>	<u>LD50</u>	<u>LC50</u>
Fluorocarbon (HCFC) (containing Chlorodifluoromethane, Non-Flammable compressed gas)	75-45-6	10 - 30	N/A	N/A
4,4' – diphenylmethane Diisocyanate (MDI)	101-68-8	7 - 13	N/A	N/A
Higher Oligomers of MDI (Polymeric MDI)	9016-87-9	7 - 13	N/A	N/A
N/A				

---

CHEMICAL AND PHYSICAL PROPERTIES

Appearance:	Viscous liquid that, upon release, becomes a light yellow foam.
Odor:	Weak odor during curing stage.
Boiling point:	Fluorocarbon component (Non-Flammable Gas) = less than 0°F (17.7°C). Other components = greater than 200°F (93.3°C).
Flash Point:	Approximately 800°F ( 426.6°C)
Vapor pressure:	Under pressure, vapor pressure = grater than 50 psig (345 Kpa)
Water solubility:	Cured foam insoluble, curing foam reacts slowly with water releasing a possible trace amount of CO <sub>2</sub> .
Explosion Data:	Product is not explosive, however, formation of explosive air/steam mixtures is possible. Contents have not been shown to be sensitive to mechanical impact or static discharge.

---

EXPOSURE GUIDELINES

OSHA

ACGIH

4,4' – Diphenylmethane Diisocyanate (MDI)	.020 ppm ceiling 3200 mg/m <sup>3</sup> ceiling	.005 ppm TWA .051 mg/m <sup>3</sup> ceiling
--	--	--

Higher Oligomers of MDI	None	None
-------------------------	------	------

Fluorocarbon (Non-Flammable HCFC) 1,000 ppm TWA 1,000 ppm TWA  
Adequate ventilation should be provided. If there is a potential for vapor levels to be exceeded use a NIOSH/MSHA approved air pressure respirator.

Read all instructions. Wear protective clothing and goggles. Wash thoroughly after use.

---

### PRODUCT CARE AND USAGE

**Storage:** Cans should be stored in a cool dry location, ideally in a temperate range from 60° F (15.5° C) to 80° F (26.6° C) for maximum shelf life. The product should never be stored in direct sunlight, in temperatures exceeding 120° F (50° C), or in freezing temperature ranges. Cans of the product should be kept out of the reach of children and not abused.

**Usage:** Read all instructions and information on can label. In colder climates, cans should be warmed to room temperature before use.  
Due to production of flammable vapor, provide sufficient ventilation. Do not smoke, or use near an open flame or incandescent objects. Protective clothing, goggles and chemical resistant gloves are advised to avoid bodily contact with foam. Wash hands after use.

**Disposal:** Uncured foam is quite sticky. If uncured foam should inadvertently dispense, clean up immediately with a cloth or paper towel and solvent such as Pur Clean, acetone, or paint thinner. Once foam has cured, it can be removed only by physical means such as picking or scrapping.  
Do not pierce cans. Dispose of containers in accordance with guidelines for plastic and metal waste.

---

### STABILITY AND REACTIVITY

Pur Fill NF12 is considered stable under normal conditions and if handled with care and storage temperature guidelines met. To avoid adverse reactivity avoid alcohols and strong bases or amines.

---

### POTENTIAL HAZARDS, PREVENTION, AND TREATMENT

Skin: Contact may cause irritation and/or sensitization. Repeated or continued exposure may cause heightened sensitivity, rash or swelling.

Prevention: **Use protective clothing and gloves.**

Treatment: Remove uncured foam with mineral spirits, paint thinner, acetone such as Pur Clean or nail polish remover, and soap and water. Cured foam can be removed by abrasion, wear, and scrubbing with soap and water.

---

Eyes: Direct contact can adhere to eyes and may cause irritation.

Prevention: **Wear protective goggles while foaming.**

Treatment: If foam comes in contact with eyes, flush thoroughly with water and contact physician.

---

Inhalation: Vapor may cause dizziness, headache, or grogginess. Components in the vapor also may irritate mucous membranes and depending on exposure and sensitivity can lead to coughing, an asthma-like reaction, bronchitis, and/or pulmonary edema.

Prevention: **Ventilate foaming area.**

Treatment: Get away from vapors and to fresh air. In extreme cases oxygen or artificial respiration may be necessary.

---

Ingestion: May irritate mucous membranes and/or damage digestion tract.

Treatment: **DO NOT INDUCE VOMITING.** Wash out the mouth with water. Drink one or two glasses of milk or water. Consult physician immediately; provide chemical information on can and Material Safety Data Sheet.

---

### FIRE FIGHTING INFORMATION

Extremely high temperatures could cause pressurized cans to burst. Endangered containers may be cooled with water spray jet.

Released propellants could cause toxic gases including CO (carbon monoxide), and CO<sub>2</sub> along with hydrogen fluoride and hydrogen chloride. Firefighters should therefore wear self-contained breathing apparatus.

To extinguish use the following: extinguishing powder, alcohol-resistant foam, halon 1211, carbon dioxide or water jet (water contact will produce CO<sub>2</sub> under these circumstances).

Cured foam will burn if in contact with an open flame, but is self-extinguishing.

Flammability test ASTM E 84 / Flame Spread Index: 25 / Smoke Density: 210

---

#### REGULATORY AGENCIES

This product is in compliance with Toxic Substances Control Act (TSCA)/ Designated Substances List (DSL) and with the Canadian Designated Substances List.

This product contains Diphenylmethane Diisocyanate (CAS #101-68-8) and Fluorocarbon (HCFC) containing Chlorodifluoromethane (CAS #75-45-6), which are subject to reporting requirements of SARA Title III.

It is also in compliance, based on current information, with California's Proposition 65. USDA approved. ASTM tested.

---

#### SHIPPING INFORMATION

Ground: Consumer Commodity ORM-D. (DOT-E 10131 for over 31 oz.)

Air: Not transportable by air.

Water Aerosol. No label for hazardous material required, although boxes should be marked as Aerosols UN 1950. Non- Flammable 2.2 UN (with a capacity of less than 1000 cu. cm.)

Emergency: Response Guide No.: Consumer Commodity 171 (Aerosols #126)

---

OTHER PHYSICAL PROPERTIES

Density:	1.2 lbs./cu. ft.
Cell structure:	Excessively closed, Approx. 80%
Compression load deflection (10%) compression:	8.5 lbs./in <sup>2</sup>
Tack-free @ 68° F (20° C)	10 min.
Cutable @ 68° F (20° C)	30 min.
Thermal resistance: R factor ASTM C 518	6.0/in.
NFPA:	Fire: 1, Health: 2, Reactivity:
1	
HMIS:	Flammability: 1, Health: 1, Reactivity:
1	

---

STATEMENT OF LIABILITY

As of the date of this publication and to the best of our knowledge, the information contained herein is accurate and presented in good faith. We make no claim as to the completeness of this information. Final determination of the suitability of the material for the use contemplated, and the manner of use, rests with the buyer and/or user. The distributor and/or manufacturer assume no liability for the use of this product or for any consequential damages or personal injury arising from its use in any form whatsoever.