

# HANDI-FOAM<sup>®</sup> TWO-PART B-COMPONENT

A16152-B

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## M A T E R I A L     S A F E T Y     D A T A     S H E E T

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### 1. IDENTIFICATION

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#### Chemical Product

HANDI-FOAM<sup>®</sup> TWO-PART QUICK-CURE, B-Component  
B-Component for two-component polyurethane foam system

#### Manufacturer

FOMO PRODUCTS, INC.  
P. O. Box 1078  
Norton, Ohio 44203

#### Emergency Overview

Product Information: 1-800-321-5585. In Ohio and outside the United States call (330) 753-4585  
Transportation Emergency: CHEMTREC 1-800-424-9300. HANDI-FOAM<sup>®</sup> TWO-PART QUICK-CURE, B-Component is registered by the manufacturer, FOMO PRODUCTS, INC.  
International Transportation Emergency: CHEMTREC (703) 527-3887

Product is a urethane foam component that is packaged under pressure (Non-Flammable Compressed Gas). Containers should not be heated above 120°F (49°C) to avoid excessive pressure build-up.

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### 2. COMPOSITION (Hazardous Components)

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<u>Chemical Name (common names)</u>	<u>CAS Number</u>	<u>Percentage</u>	<u>LD<sub>50</sub></u>	<u>LC<sub>50</sub></u>
Fluorocarbon (Non-Flammable Compressed Gas, HCFC)	Not Available This Section	10 to 30 percent	N/A	N/A

(NOTE: See Section 8 of this MSDS for Exposure Guidelines)

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### 3. HAZARDS IDENTIFICATION

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#### Physical Hazards

Since the containers are pressurized, storage temperature should not exceed 120°F (49°C) in order to avoid excessive pressure build-up and possible container rupture. If accidental contact occurs, follow the appropriate first aid procedure described in Section 4 of this MSDS.

#### Potential Health Effects

The mixture has not been tested. However, it is assumed that the mixture presents the same health hazards as do the components present at a one percent or greater level (Fluorocarbon). Adequate ventilation should be provided to avoid exceeding the exposure limits listed in Section 8 of this MSDS.

Entry Route: Effects of Overexposure

**Inhalation:** Vapor reduces oxygen available for breathing and is heavier than air. May cause dizziness, headaches, lethargy, etc. Inhalation of high concentrations of vapor is harmful and may cause heart irregularities. Persons with cardiac arrhythmia may be at increased risk in severe exposure.

**Skin:** May cause localized irritation. Direct, severe, or prolonged exposure may lead to frostbite.

**Eyes:** May be irritating to eyes.

**Ingestion:** May be slightly irritating to mucous membranes.

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**4. FIRST AID**

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**Inhalation:** If breathing difficulty is experienced, move to area free of exposure. Provide fresh air. If necessary, provide oxygen or artificial respiration by trained personnel and obtain medical attention.

**Eye Contact:** Flush with clean water for at least 15 minutes and obtain medical attention.

**Skin Contact:** Wipe off liquid with a rag or paper towel and wash thoroughly with soap and water. If irritation develops, use a mild skin cream. If irritation persists, obtain medical attention.

**Ingestion:** Drink 1-2 glasses of water or milk. If B-Component only is ingested, induce vomiting and consult physician.

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**5. FIRE FIGHTING MEASURES**

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High temperatures will raise the pressure in the containers, which may lead to rupturing. Extinguishing media include: dry chemical, carbon dioxide, halon 1211, chemical foam, or water spray if used in large quantities (water contamination will produce carbon dioxide). Wear self-contained breathing apparatus to protect against toxic decomposition by-products, including CO, CO<sub>2</sub>, NO, and traces of HCN or HCL. Cured foam is organic and, therefore, will burn in the presence of sufficient heat, oxygen and ignition source. Main hazards associated with burning foam are similar to burning of other organic materials (wood, paper, cotton, etc.), and precautions against exposure should be taken accordingly. Avoid welding or other "hot work" in vicinity of exposed cured foam.

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**6. ACCIDENTAL RELEASE MEASURES/DISPOSAL CONSIDERATIONS**

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Provide ventilation and isolate area. Absorb spill with sawdust or vermiculite and dispose of in accordance with all applicable federal, state, and local regulations. Wash spill area thoroughly with soap and water. Avoid uncontrolled reactions with isocyanates (such as HANDI-FOAM<sup>®</sup> A-Component).

Before disposing of containers, relieve container of any remaining pressure and contents. Liquid residue may be mixed slowly with equal amount of A-component in well ventilated area in order to form solid, low grade foam.

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## 7. HANDLING AND STORAGE

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Store in a cool, dry place. Ideal storage temperature is 60°F to 80°F (15.5°C to 26.6°C). Storage above 90°F (32.2°C) will shorten the shelf life. Protect containers from physical abuse. Protect unused product from freezing.

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## 8. EXPOSURE CONTROLS/PERSONAL PROTECTION

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Read all product instructions before using. Personal protective equipment should include safety eye wear, chemical resistant gloves, and long sleeve work clothes. Adequate ventilation should also be employed so that vapor levels do not exceed recommended guidelines. If vapor levels are expected to exceed these guidelines, use NIOSH/MSHA approved, positive pressure, supplied air respirator. Exercise good personal hygiene, wash thoroughly after each use.

<u>Exposure Guidelines</u>	<u>OSHA</u>	<u>ACGIH</u>
Fluorocarbon (Non-Flammable Compressed Gas, HCFC)	1,000 ppm TWA	1,000 ppm TWA

(None of the components in this product are listed by IARC, NTP, OSHA or ACGIH as a carcinogen).

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## 9. PHYSICAL AND CHEMICAL PROPERTIES

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Physical Appearance	:	Light yellow to amber colored liquid.
Odor	:	Slight fluorocarbon and amine odor.
Specific Gravity	:	Approximately 1.2 (H <sub>2</sub> O = 1)
Boiling Point	:	Fluorocarbon component (Non-Flammable Gas) boils at less than 0°F (-17.7°C). Other components boil at temperatures greater than 200°F (93.3°C).
Flash Point	:	For fluorocarbon – None (Non-Flammable). For other components – Not determined
Vapor Pressure	:	Contents under pressure have vapor pressure greater than 50 psig (345 Kpa). After release from container, the vapor pressure is very low (not determined).
Solubility in Water	:	Partly soluble, does not react.
Explosion Data	:	Contents are not known to be sensitive to mechanical impact or static discharge.

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## 10. STABILITY AND REACTIVITY

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This product is considered stable under normal and anticipated storage and handling conditions. Do not store above 120°F (49°C). For longest shelf life, avoid storage above 90°F (32.2°C). Avoid uncontrolled reactions with isocyanates (*i.e.* A-Component).

**11. TRANSPORTATION**Shipping Information

	<b>Containers Less Than 1000 cu. cm. (1 liter) i.e. II-12, 22, 32</b>	<b>Containers Greater Than 1000 cu. cm. (1 liter) i.e. II-105, 205, 605</b>
<i>Ground</i>	Consumer Commodity ORM-D	Compressed Gas n.o.s. (Fluorocarbon) 2.2 UN 1956 (Non-Flammable Gas Label)
<i>Air</i>	Aerosols, Non-Flammable 2.2 UN 1950 (Non-Flammable Gas Label)	Compressed Gas n.o.s. (Fluorocarbon) 2.2 UN 1956 (Non-Flammable Gas Label)
<i>Water</i>	Aerosols, Non-Flammable 2.2 UN 1950 (with a capacity of 1000 cu. cm. or less) (No Hazard Labels Required) Boxes or Cartons should be marked (Aerosols UN 1950) only. IMDG page # 2102	Compressed Gas n.o.s. (Fluorocarbon) 2.2 UN 1956 (Non-Flammable Gas Label) IMDG page # 2124
<i>Exceptions</i>	N/A	
<i>Note</i>	Emergency Response Guide Numbers – Consumer Commodity # 171, for Aerosols and Compressed Gas # 126.	

**12. REGULATORY**Toxic Substances Control Act (TSCA)/Designated Substances List (DSL):

All ingredients are listed on the TSCA inventory, as well as the Canadian Designated Substances List.

SARA Title III:

Contains Fluorocarbon containing Chlorodifluoromethane (CAS #75-45-6) subject to the reporting requirements of SARA Title III.

Proposition 65

Based on information currently available, this product is not known to contain detectable amounts of any chemicals currently listed under California Proposition 65.

**13. OTHER**

**NFPA:** Fire 1; Health 2; Reactivity 1  
**HMIS:** Flammability 1; Health 3; Reactivity 1

The information and recommendations set forth herein are presented in good faith and believed to be correct as of the date hereof. The manufacturer makes no representations as to the completeness or accuracy thereof. Information is supplied upon the condition that the persons receiving it will make their own determination as to its suitability for their purposes prior to use. In no event will the manufacturer be responsible for damages of any nature whatsoever resulting from the use of or reliance upon information. No representations or warranties, either expressed or implied, of merchantability or fitness for a particular use are made hereunder with respect to this information or the product to which information refers.

Information contained herein is deemed to be reliable, conservative and accurate. FOMO Products, Inc. reserves the right to change the design, specifications or any other features at any time and without notice, while otherwise maintaining regulatory compliance.

**LAST REVISION** : 05/00-4  
**APPROVED BY** : T. EBERLING  
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