

RHH FOAM SYSTEMS, INC.
17100 WEST VICTOR ROAD
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FOR EMERGENCY, CALL CHEMTREC:
OUTSIDE U.S.A., CALL COLLECT:

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DATE OF PREPARATION:
PREPARED BY:

January 30, 2010
Debra M. Buss

MATERIAL SAFETY DATA SHEET

SECTION 1 - PRODUCT IDENTIFICATION

Name of Product:

VERSI-TITE 12 oz., 24 oz. Straw Foam
VERSI-TITE 24 oz. Refill for Gun

SECTION 2 - CHEMICAL COMPOSITION

<u>CHEMICAL</u>	<u>CAS #</u>	<u>% of TOTAL WEIGHT</u>
4,4 Diphenylmethane-Diisocyanate (MDI)	101-68-8	18-20
2,4 Diphenylmethane-Diisocyanate (MDI)	5873-54-1	1-1.5
Polymeric MDI	9016-87-9	23-26
Polyether Poly Blend	Mixture ²	34-37
Butane	106-97-8	5-8
Propane	74-98-6	4-6
Isobutane	75-28-5	4-6
Dimethyl Ether	115-10-6	2-4
1,1,1 Tetrafluoroethane (134a)	811-97-2	3-7

² Different raw materials sources - proprietary blend

SECTION 3 - HAZARDS IDENTIFICATION

HMIS Rating	Health	3	NFPA Rating	Fire	3
	Flammability	1		Health	2
	Reactivity	1		Reactivity	1

CAUTION!!! CONTENTS UNDER PRESSURE. Do not store in temperatures in excess of 104°F (40°C)

Irritancy:

Irritating to eyes, skin and respiratory tract.

Sensitizing Properties:

May cause sensitization by skin contact and inhalation. Exposure to individuals with asthma, eczema and/or allergies may aggravate existing condition. Symptoms may include coughing, wheezing and shortness of breath.

Routes of Entry:

Eye and skin contact, inhalation, ingestion.

SECTION 4 - FIRST AID PROCEDURES In all cases, seek additional medical attention.

EYE CONTACT

Flush with clean, low pressure water for 15 minutes while holding eyelids open.

SKIN CONTACT

Remove contaminated clothing. Remove uncured foam with mild solvent, such as acetone or mineral spirits. For cured foam, wash skin with warm soap and water.

INHALATION

Remove from contaminated area to fresh air. Provide oxygen in extreme cases.

INGESTION

In cases of excessive ingestion, give large amounts of liquids. DO NOT INDUCE VOMITING.

SECTION 5 - FIRE FIGHTING MEASURES

Flash Point

-4°F (-20° C)

High temperatures will raise the pressure in the container, which may cause rupture.

Extinguishing Media

Carbon Dioxide, Dry chemical, Foam, Water

Special Protective Equipment

Self-Contained Breathing Apparatus

Hazardous Decomposition Products

During combustion, Carbon Monoxide, Carbon Dioxide, Nitrogen Oxides, Ammonia and trace amounts of Hydrogen Cyanides are given off.

SECTION 6 - ACCIDENTAL RELEASE MEASURES

Provide adequate ventilation.

Wear suitable personal protective clothing and equipment.

Scrape up the bulk of the spill and put into a suitable waste receptacle. Avoid spreading the spill to other surfaces. Loosely cover waste and set in a safe place.

Allow to cure. Dispose of entire container after foam is fully cured.

SECTION 7 – HANDLING AND STORAGE

WARNING: FLAMMABLE CONTENTS. Keep away from heat, open flame and sources of ignition.

Store in a cool dry place. Recommended storage temperature is between 40°F to 78°F (4.4°C-25.5°C) Do not store above 104°F (40°C). Protect containers from heat. Do not pierce containers. Protect from freezing.

SECTION 8 – EXPOSURE CONTROL/PERSONAL PROTECTION**EXPOSURE GUIDELINES:**

	OSHA	ACGIH
4,4 Diphenylmethanediisocyanate (MDI)	0.02 ppm ceiling	0.005 ppm TWA
2,4 Diphenylmethanediisocyanate (MDI)	0.200 mg/m3 ceiling	0.051 mg/m3 TWA
Polymeric MDI	0.02 ppm ceiling	0.005 ppm TWA
Polyether Polyol	None established	None established
Butane	10,000 ppm	2,500 ppm TWA
Propane	10,000 ppm	2,500 ppm TWA
Isobutane	10,000 ppm	2,500 ppm TWA
Dimethyl Ether (DME)	None established	None established
1,1,1 Tetrafluoroethane (134a)	1,000 ppm	1,000 ppm TWA

EYE PROTECTION

Wear safety goggles.

SKIN PROTECTION

Wear protective clothing and chemical resistant gloves.

RESPIRATORY PROTECTION

Use only in well-ventilated areas. With insufficient ventilation, or where potential

SECTION 9 - PHYSICAL AND CHEMICAL PROPERTIES

Vapor Pressure (70° F/21° C)

In the pressurized container, the vapor pressure exceeds 500 kPa. After foam release, the vapor pressure is very low (not declared).

Specific Gravity

1.2

Appearance and Color

Off-white sticky material with a mild odor

SECTION 10 - REACTIVITY AND STABILITY

Stable under normal handling and use. Avoid storage in temperatures higher than 104°F (40°C). Avoid water contamination, open flames, alcohols, oxidizers, strong bases, acids and ammonia.

SECTION 11 - TOXICOLOGICAL INFORMATION

Acute toxicity	Short term oral toxicity. LD50 = 5000 mg/kg (rat)
Skin contact	LD50 = 5000 mg/kg (rat)
Inhalation	LD50=0.49 mg/l (rat)
Eyes	Irritates eyes. Contact with eyes may cause cornea damage.
Allergies	Prolonged contact may cause allergic reaction. Prolonged exposure at acute levels may cause irritation of airways, mucous membranes causing cough, breathing difficulties and headache.

SECTION 12 – ECOLOGICAL INFORMATION

Not established

SECTION 13 - DISPOSAL INFORMATION

Before disposing of containers, relieve of any remaining foam and pressure. Dispose of any cured foam as ordinary waste. Dispose of leftover chemicals by following instructions in Section 6.

SECTION 14 – TRANSPORTATION INFORMATION

DOT (Ground)	Aerosol Expanding Foam, Consumer Commodity ORM-D, limited quantity
Air	Aerosols, Class 2.1, UN 1950 (Flammable Gas Label)
Ocean	Aerosols, Class 2.1, UN 1950 (Flammable Gas Label)

SECTION 15 - REGULATORY INFORMATION

TSCA	All ingredients are listed in the TSCA inventory, as well as the Canadian Designated Substance List. This product has been classified in accordance to the hazard criteria of the CPR and the MSDS contains all of the information required by the CPR.
SARA Title III	The following components are subject to the reporting requirements of SARA Title III Polymeric MDI CAS 9016-87-9 4,4 diphenylmethanediisocyanate (MDI) CAS 101-68-8 2,4 diphenylmethanediisocyanate (MDI) CAS 5873-54-1
Proposition 65	Coontains no detectable amounts of chemicals listed under California Proposition 65

SECTION 16 – OTHER INFORMATION

This product is a polyurethane blend in the form of a solution in liquid containing by weight 50% or more polymer.