SAFETY DATA SHEET

SECTION 1 - IDENTIFICATION

1.1 Product Identifier: Versi-Tite 12 oz. and 24 oz. Window & Door Foam Sealant

1.2 Relevant identified uses of the substance or mixture and uses advised against:

General Use: One component polyurethane foam sealant.

Uses Advised Against: No additional information available.

1.3 Details of the supplier of the Safety Data Sheet:

Manufacturer/Supplier: RHH Foam Systems, Inc.
5500 S. Westridge Dr.
New Berlin, WI 53151 USA
1-800-657-0702 / 262-754-8088

1.4 Emergency telephone numbers:

Within the USA, Canada, Puerto Rico and the US Virgin Islands: ChemTel (contract #MIS2000665) (24 hours) 1-800-255-3924
Australia: ChemTel (contract #MIS2000665) (24 hours) 1-300-954-583
Brazil: ChemTel (contract #MIS2000665) (24 hours) 0-800-591-6042
China: ChemTel (contract #MIS2000665) (24 hours) 400-120-0751
India: ChemTel (contract #MIS2000665) (24 hours) 000-800-100-4086
Mexico: ChemTel (contract #MIS2000665) (24 hours) 01-800-099-0731
All other International countries: ChemTel (contract # MIS2000665) (24 hours) 001-813-248-0585

SECTION 2 – HAZARD(S) IDENTIFICATION

2.1 Classification of substance or mixture:

Product definition: Mixture

Classification:
Flammable Aerosols, Category 1
Gases Under Pressure - Compressed Gas
Acute Toxicity Inhalation, Category 4
Skin Irritation, Category 2
Serious Eye Irritation, Category 2A
Sensitization - Respiratory, Category 1
Sensitization - Skin, Category 1
Effects on or via Lactation
Specific Target Organ Toxicity (Single Exposure), Category 3 - Respiratory Irritation
Specific Target Organ Toxicity (Repeated Exposure), Category 2

LABEL ELEMENTS

Hazard Pictogram(s):

Signal Word: **Danger**

Hazard Statements:
H222: Extremely Flammable aerosol.
H280: Contains gas under pressure; may explode if heated.
H315 : Causes skin irritation.
H317 : May cause an allergic reaction.
H319: Causes serious eye irritation.
H332 : Harmful if inhaled.
H334: May cause allergy or asthma symptoms or breathing difficulties if inhaled.
H335: May cause respiratory irritation
H362: May cause harm to breastfed children
H373: May cause damage to organs through prolonged or repeated exposure.

Precautionary Statements

Prevention:
P102: Keep out of reach of children.
P202: Do not handle until all safety precautions have been read and understood.
P210: Keep away from heat, sparks, open flames, and hot surfaces. – No smoking.
P211: Do not spray on an open flame or other ignition source.

P251: Pressurized container: Do not pierce or burn, even after use.
P261: Avoid breathing vapors or fumes.
P262: Do not get in eyes, on skin, or on clothing.
P264: Wash hands and other skin areas exposed to material thoroughly after handling.
P280: Wear protective gloves, protective clothing, and eye protection.
P285: In case of inadequate ventilation wear respiratory protection.

Response: P302+P352+P333+P313: IF ON SKIN: Wash with plenty of soap and water. If skin irritation or rash occurs, get medical attention.
P304+P341: IF INHALED: If breathing is difficult, remove victim to fresh air and keep at rest in a position comfortable for breathing.
P305+P351+P338: IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.
P314: Get medical advice if you feel unwell
P342+P311: If experiencing respiratory symptoms: Call a POISON CENTER or doctor.
P381: Eliminate all ignition sources if safe to do so.

Storage: P403+P405: Store in a well-ventilated place. Store locked up.
P410: Protect from sunlight.
P412: Do not expose to temperatures exceeding 50°C/ 122°F.

Disposal: P501: Dispose of contents/container in accordance with applicable local, regional, national, and international regulations.

EUH Statements EUH204: Contains isocyanates. May produce an allergic reaction.

SECTION 3 – COMPOSITION/INFORMATION ON INGREDIENTS

Hazardous Components	CAS #	% by Weight
Urethane Pre-Polymer Blend (Non-Hazardous Polyol Blend	Not available	40-70
Polymethylene polyphenyl isocyanate (PMDI)	9016-87-9	20-35
Isobutane	75-28-5	2.5-10
Dimethyl ether	115-10-6	2.5-10
Propane	74-98-6	2.5-10

There are no additional ingredients present which, within the current knowledge of the supplier and in the concentrations applicable, are classified as hazardous to the health or the environment and hence require reporting in this section.

SECTION 4 – FIRST AID MEASURES

4.1 Description of first aid measures:

Eyes: Rinse cautiously with lukewarm water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. If eye irritation persists: Get medical advice/attention.

Skin: In case of contact, wash skin with plenty of soap and water. Gently wipe away product from skin using a damp cloth and wash with plenty of soap and water. Remove contaminated clothing. If skin irritation or rash occurs, get medical advice/attention.

Inhalation: If inhaled, remove person to fresh air. If not breathing, give artificial respiration. If breathing is difficult, give oxygen. Obtain medical attention.

Ingestion: If swallowed, do NOT induce vomiting. Get medical attention immediately.

4.2 Most important symptoms and effects, both acute and delayed:

See Section 11.1 Information on toxicological effects.

4.3 Notes to physician:

Symptoms may not appear immediately.

SECTION 5 – FIRE FIGHTING MEASURES

5.1 Extinguishing media:

Suitable extinguishing media: Carbon Dioxide, Dry Chemical, Halon 1211 and water spray, or fog.

Unsuitable extinguishing media: Do not use direct water stream as it may spread fire.

5.2 Special hazards arising from the substance or mixture:

Contains flammable propellant. Eliminate all ignition sources. Containers may explode due to buildup of pressure when exposed to extreme heat. Aerosol cans exposed to fire or high temperature can rupture and rocket. Cured foam will burn in the presence of heat, oxygen and ignition source.

5.3 Advise to firefighters:

Products of combustion may include and are not limited to: oxides of carbon, oxides of nitrogen, hydrogen fluoride, and traces of hydrogen cyanide.
Do not attempt to take action without suitable protective equipment. Wear full fire-fighting turn-out gear (full Bunker gear) and respiratory protection (SCBA). Use water spray to keep fire-exposed containers cool. Containers may explode if heated.

SECTION 6 – ACCIDENTAL RELEASE MEASURES

6.1 Personal precautions, protective equipment and emergency procedures:

Always clear area and use protective equipment (as recommended in Section 8) before attempting to stop spill. Wear suitable chemical resistant clothing including foot protection. Always wear eye protection and gloves when handling this product. Avoid any contact. Barricade area. Clear non-emergency personnel from area. Keep upwind of spill. Ventilate area of leak or spill. The area must be evacuated and reentered by persons equipped for decontamination. Eliminate sources of ignition.

6.2 Environmental precautions:

Do not allow to enter sewers, drains, or waterways.

6.3 Methods and materials for containment and cleaning up:

Should the product enter sewers or drains, it should be pumped into an open vessel. Emergency services may need to be called to assist in the cleanup operation.

6.3 Methods and materials for containment and cleaning up:

Method for containment: Uncured product is very sticky; carefully remove the bulk of the foam by scraping it up and then immediately remove the residue with a rag and solvent such as Versi-Solv, mineral spirits, acetone (nail polish remover), paint thinner, etc. Once the product is cured it can only be removed mechanically by scraping, buffing, etc. Use appropriate PPE. Methods for cleaning up: Scoop up material and place in a disposal container. Dispose of as plastic waste in accordance with all applicable guidelines and regulations. Vapors can accumulate in low areas. Provide ventilation.

6.4 Reference to other sections

For further information, see Section 13.

SECTION 7 – HANDLING AND STORAGE

Handling:

Do not swallow. Do not breathe mist, vapors, or spray. Avoid contact during pregnancy and while nursing. Pressurized container: Do not pierce or burn, even after use. Obtain special instructions before use. Do not handle until all safety precautions have been read and understood. Keep away from heat, sparks, open flames, and hot surfaces. – No smoking. Do not spray on an open flame or other ignition source. Wash thoroughly after handling. Do not eat, drink or smoke when using this product. Use only outdoors or in a well-ventilated area. Contaminated work clothing should not be allowed out of the workplace. See Section 8 for information on Personal Protective Equipment.

Storage:

Store in a well-ventilated place. Keep container tightly closed. Store locked up. Protect from sunlight. Do not expose to temperatures exceeding 122°F / 50°C. Store away from incompatible materials. See Section 10 for information on Incompatible Materials. **Keep out of the reach of children.**

SECTION 8 – EXPOSURE CONTROL/PERSONAL PROTECTION

Engineering Controls: Use ventilation adequate to keep exposures (airborne levels of dust, fume, vapour, gas, etc.) below recommended exposure limits.

PERSONAL PROTECTIVE EQUIPMENT (PPE)

Eye/Face Protection: Wear safety glasses. Ensure that eyewash stations are close to the workstation location. Use equipment for eye protection that meets the standards referenced by CSA Standard CAN/CSA-Z94.3-92 and OSHA regulations in 29 CFR 1910.133 for Personal Protective Equipment.

Hand Protection: Wear protective gloves. Consult manufacturer specifications for further information.

Skin and Body Protection: Wear protective clothing.

Respiratory Protection: Wear respiratory protection. If engineering controls and ventilation are not sufficient to control exposure to below the allowable limits then an appropriate NIOSH/MSHA approved air-purifying respirator that meets the requirements of CSA Standard CAN/CSA-Z94.4-11, or self-contained breathing apparatus must be used. Supplied air breathing apparatus must be used when oxygen concentrations are low or if airborne concentrations exceed the limits of the air-purifying respirators.

General Hygiene Considerations: Handle according to established industrial hygiene and safety practices.

SECTION 9 – PHYSICAL AND CHEMICAL PROPERTIES

9.1 Information on basic physical and chemical properties:	
Physical state	Gas
Appearance	Liquid under pressure
Color	Light yellow
Odor	Slight hydrocarbon odor during curing stage
Odor Threshold	No data available
pH	No data available
Relative evaporation rate (butyl acetate=1)	No data available
Melting point	No data available
Freezing point	No data available
Boiling point	No data available
Flash point	-156°F (-68.9°C)
Auto-ignition temperature	No data available
Decomposition	No data available
Flammability (solid, gas)	Extremely flammable aerosol
Vapor pressure	5 bar
Relative vapor density at 68°F (20°C)	No data available
Relative density	No data available
Density	19-25 kg/m^3
Solubility	No data available
Log Pow	No data available
Viscosity, kinematic	No data available
Viscosity, dynamic	No data available
Explosive properties	Pressurised container: May burst if heated.
Oxidising properties	No data available
Explosive limits	No data available
VOC content	< 2g/l

SECTION 10 – STABILITY AND REACTIVITY INFORMATION

10.1 Reactivity:

No dangerous reaction known under conditions of normal use.

10.2 Chemical stability:

Stable under normal storage conditions. Contents under pressure. Container may explode if heated.

10.3 Possibility of hazardous reactions:

Elevated temperatures can cause product to decompose, releasing carbon dioxide. Contains flammable propellant. Contents are under pressure and exposure to high temperature can cause containers to rupture or explode.

10.4 Conditions to avoid:

Avoid contact with hot surfaces, heat. Keep away from sparks or flames. Eliminate all sources of ignition.

10.5 Incompatible materials:

Alcohols, strong bases, amines, metal compounds, ammonia, and strong oxidizers.

10.6 Hazardous decomposition products:

Under normal conditions of storage and use, hazardous decomposition products should not be produced.

SECTION 11 – TOXICOLOGICAL INFORMATION

11.1 Information on toxicological effects:

Eye: May cause eye irritation.
Skin: May cause skin irritation. May cause an allergic reaction.
Inhalation: May be harmful if inhaled. May cause respiratory irritation. May cause allergy or asthma symptoms or breathing difficulties if inhaled.
Ingestion: May be harmful if swallowed. May cause gastrointestinal irritation: stomach distress, nausea, or vomiting.
Acute Oral Toxicity: Expected to have low acute oral toxicity
Acute inhalation toxicity: Expected to have low acute inhalation toxicity
Acute dermal toxicity: Expected to have low acute dermal toxicity
Skin irritation: Causes skin irritation
Eye irritation: Causes serious eye irritation
Sensitization: May cause skin and respiratory sensitization
Genotoxicity: Genetic toxicity data for MDI is inconclusive. Some in-vitro studies yielded positive results, while other test data was negative Mutagenicity Test data using laboratory animals was predominately negative
Specific organ toxicity- single exposure: May cause respiratory irritation
Specific organ toxicity- repeated exposure: May cause damage to the lungs, central nervous system and skin
Aspiration hazard: No data available

11.2 Delayed, Immediate, and Chronic Effects of Short and Long Term Exposure MDI and PMDI:

IARC Group 3 carcinogen- Not classifiable as to its carcinogenicity to humans. Not listed as a carcinogen by ACGIH, OSHA or NTP. MDI/PMDI did not cause birth defects in laboratory animals; fetal effects occurred only at high doses which were toxic to the mother. Lung tumors have been observed in laboratory animals exposed to respirable aerosol droplets of MDI/PMDI (6mg/m3) for their lifetime. Tumors occurred concurrently with respiratory irritation and lung injury. Current exposure guidelines are expected to protect against these effects.

SECTION 12 – ECOLOGICAL INFORMATION

12.1 Ecotoxicity:

The product is not considered harmful to aquatic organisms or to cause long-term adverse effects in the environment.

12.2 Persistence and degradability:

No additional data available.

12.3 Bioaccumulative potential:

No additional data available.

12.4 Mobility in soil:

No additional data available.

12.5 Results of PBT and vPvB assessment:

No additional data available.

12.6 Other adverse effects:

No additional data available.

SECTION 13 – DISPOSAL CONSIDERATIONS

13.1 Waste Treatment Methods:

Methods of disposal: Before disposing of containers, relieve container of any remaining foam and pressure. Allow dispensed product to fully cure before disposing. Never discard in a liquid state. Disposal should be in accordance with applicable local, regional, national and international regulations.

SECTION 14 – TRANSPORTATION INFORMATION

U.S. Department of Transportation (DOT)

Proper Shipping Name: UN1950, AEROSOLS, 2.1, LIMITED QUANTITY
Class: 2.1
UN Number: UN1950
Packing Group: Not applicable
Label Code:

Canada Transportation of Dangerous Goods (TDG)

Proper Shipping Name: UN1950, AEROSOLS, 2.1
Class: 2.1
UN Number: UN1950
Packing Group: Not applicable.
Label Code:

SECTION 15 – REGULATORY INFORMATION

Federal Regulations

Canada

This product has been classified in accordance with the hazard criteria of the Controlled Products Regulations and the MSDS contains all the information required by the Controlled Products Regulations.

WHMIS Classification:

Class A - Compressed Gas.
Class B5 - Flammable Aerosols.
Class D2A - Reproductive toxicity.
Class D2A - Respiratory sensitization.
Class D2B - Skin sensitization.
Class D2B - Skin irritant.
Class D2B - Eye irritant.

Hazard Symbols:

United States
This SDS has been prepared to meet the U.S. OSHA Hazard Communication Standard, 29 CFR 1910.1200.

SARA Title III

Component	Section 302 (EHS) TPQ (lbs.)	Section 304 EHS RQ (lbs.)	CERCLA RQ (lbs.)	Section 313	RCRA CODE	CAA 112(r) TQ (lbs.)
Polymeric Methylene Diphenyl Diisocyanate	Not listed.	Not listed.	Not listed.	313#	Not listed.	Not listed.
Dimethyl ether	Not listed.	Not listed.	Not listed.	Not listed.	Not listed.	10000
Isobutane	Not listed.	Not listed.	Not listed.	Not listed.	Not listed.	10000
Propane	Not listed.	Not listed.	Not listed.	Not listed.	Not listed.	10000

State Regulations

Massachusetts
US Massachusetts Commonwealth's Right-to-Know Law (Appendix A to 105 Code of Massachusetts Regulations Section 670.000)

Component	CAS No.	RTK List
Polymeric Methylene Diphenyl Diisocyanate (PMDI)	9016-87-9	Listed.
Dimethyl ether	115-10-6	Listed.
Isobutane	75-28-5	Listed.
Propane	74-98-6	Listed.

New Jersey
US New Jersey Worker and Community Right-to-Know Act (New Jersey Statute Annotated Section 34:5A-5)

Component	CAS No.	RTK List
Polymeric Methylene Diphenyl Diisocyanate (PMDI)	9016-87-9	Listed.
Dimethyl ether	115-10-6	SHHS
Isobutane	75-28-5	SHHS
Propane	74-98-6	SHHS

Note: SHHS = Special Health Hazard Substance

Pennsylvania
US Pennsylvania Worker and Community Right-to-Know Law (34 Pa. Code Chap. 301-323)

Component	CAS No.	RTK List
Dimethyl ether	115-10-6	Listed.
Isobutane	75-28-5	Listed.
Propane	74-98-6	Listed.

SECTION 16 – OTHER INFORMATION

Disclaimer:
The information contained in this document applies to this specific material as supplied. It may not be valid for this material if it is used in combination with any other materials. It is the user's responsibility to satisfy oneself as to the suitability and completeness of this information for his own particular use.

Date of Preparation of SDS: June 1, 2020

WHILE THE INFORMATION AND RECOMMENDATIONS SET FORTH HEREIN ARE BELIEVED TO BE ACCURATE AS OF THE DATE HEREOF, RHH FOAM SYSTEMS INC. MAKES NO WARRANTY WITH RESPECT THERETO AND DISCLAIMS ANY LIABILITY FROM RELIANCE THEREON.