DATA SHEET

This Data Sheet has been prepared to provide health and safety information to consumers and users of Marvin Window and Door products made from softwood. A separate data sheet exists for products made of hardwood. According to OSHA Regulation 29 CFR 1910.1200, Hazard Communication, these products are articles and, therefore, exempt from requirements of this particular OSHA regulation.

Section I - General Information

Manufacturer: Marvin Windows and Doors

Date Prepared: July 1, 2000
Date Revised: July 24, 2001

Address: Risk Management
P.O. Box 100
Warroad, MN 56763
(218) 386-1430

Product: Windows and doors (softwood units only)

Section II - Product Ingredients/Identity Information

Nonhazardous Ingredients:

Component	Percent Composition by weight
Glass	30-60
Wood	30-60
Aluminum	0-15
Polyurethane (cured)	0-2
Adhesives, Silicones	0-2
Inert Gas	<1
Non-hazardous miscellaneous	<5

(Information provided represents a typical window or door. The nonhazardous ingredients of a specific product may vary.)

Hazardous Ingredients:

Component	CAS Number	Percent Composition by weight
Stoddard Solvent	8052-41-3	<1

If the window remains intact (is not sanded or sawn), no significant exposure to trace substances is expected. Negligible amounts of volatile solvents may initially evaporate from the window.

Section III - Physical/Chemical Characteristics

Boiling Point: NA

Specific Gravity (Water = 1): Variable (dependent on wood species and moisture content)

Vapor Pressure (mm Hg): NA

Vapor Density (Air =1): NA

Evaporation Rate: NA

Solubility in Water: Insoluble

Melting Point: UNK

Appearance and Odor: Typical window or door; unfinished product is dependent on wood species. A slight solvent odor may be present due to wood treatment and finishing process.

Section IV - Fire and Explosion Hazard Data

Flashpoint: UNK (wood portions may be combustible)
Flammable Limits: LEL: UNK UEL: UNK
Extinguishing Media: Use NFPA Class A fire extinguishers suitable for wood.
Special Fire Fighting Procedures and Precautions: None, treat as a combustible (wood) fire.
Unusual Fire and Explosion Hazards: Like most articles containing glass, glass may shatter during intense fire.

NFPA Hazard Rating: Health—0, Flammability—0, Reactivity—0
(0= no hazard, 1= slight, 2= moderate, 3= high, 4= extremely high)

Section V - Reactivity Data

Stability: Stable
Conditions to Avoid: NA
Hazardous Decomposition Products: Carbon monoxide, carbon dioxides, and trace amounts of toxic aerosol that would be associated with a fire of any product containing synthetic materials.
Incompatibility (materials to avoid): NA
Hazardous Polymerization: Will not occur

Section VI - Health Hazard Data

Route(s) of Entry:	Inhalation	Skin	Ingestion
	Slight	No	No

Health Hazards (Acute and Chronic)/Signs and Symptoms of Exposure:

INHALATION:	Acute:	Exposure to dust from sanding or sawing the window may cause upper respiratory irritation.
	Chronic:	This type of exposure situation is unlikely to occur.
SKIN:	Acute:	Health effects by this route are improbable.
	Chronic:	Health effects by this route are improbable.
EYE:	Acute:	Dust from sanding or sawing may cause mechanical irritation.
	Chronic:	This type of exposure situation is unlikely to occur.
INGESTION:	Acute:	This type of exposure situation is unlikely to occur, but if wood portions are ingested, health effects are unlikely.

Carcinogenicity: OSHA—No, IARC—No, NTP—No

Medical Conditions Generally Aggravated by Exposure: None expected.

EMERGENCY AND FIRST AID PROCEDURES

Skin: If the window unit is sanded or sawn, wash dust off skin.

Eyes: If dust gets into eyes, gently flush eyes with clean, warm water. If flushing is not successful, get medical attention to remove particulate.

Inhalation: If irritation from dust exposure occurs, stop sanding or sawing the window and move to fresh air.

Ingestion: If large amounts are ingested, contact a poison control center.

Section VII - Precautions for safe handling and use.

If sufficient force is applied to the window unit, such as stress on the frame, dropping the unit, striking the glass or frame with an object, high wind, or other intense force, the glass could break. The breaking or broken glass could cause injury to persons exposed. Handle broken glass carefully, using safety glasses and leather gloves.

Stay away from windows during violent wind and electrical storms.

Window units may be very heavy. Handle packaged and unpackaged units carefully, using appropriate material handling equipment and proper lifting techniques to avoid back strain.

Installation according to directions and normal use of the product should not result in glass breakage.

Minimize sanding and sawing the window to avoid creating dust.

Dispose in accordance with local, state and federal laws and regulations.

Section VIII - Special Precautions

Spill or Leak Procedures: The product being in the form of a window or door does not present a spill risk. If glass is broken, a trace amount of a nonhazardous inert gas may escape but will cause no threat to health or the environment.

Waste Disposal: Collect sawdust or sanding dust and dispose of as solid waste. Dispose of window or door unit in accordance with local, state and federal laws and regulations. Recycle components if possible.

Section IX - Control Measures

Respiratory Protection (specific type): None needed under normal conditions of use. When sanding or sawing the window, use of a NIOSH/MSHA approved particulate respirator may be used to minimize inhalation exposure to the dust.

Ventilation: None needed under normal conditions of use.

Protective Gloves: None needed under normal conditions of use. Handle broken glass carefully with leather gloves. If sanding, wear gloves or apply a barrier cream.

Eye Protection: None needed under normal conditions of use. If sanding or sawing the window, use safety glasses.

Other Protective Clothing or Equipment: None needed under normal conditions of use.

Work/Hygienic Practices: Practice good personal hygiene procedures. If sanding or sawing the window, wash hands and face before eating, drinking, applying cosmetics, or using tobacco products.

Waste Disposal: Collect sawdust or sanding dust and dispose of as solid waste. Dispose of window or door unit in accordance with local, state and federal laws and regulations. Recycle components if possible.

Note: The information contained herein is based on data considered accurate. However, no warranty is expressed or implied regarding the accuracy of this data or the results to be obtained from the use thereof. Preparer assumes no responsibility for personal injury or property damage caused by proper or improper use of product.