



MATERIAL SAFETY DATA SHEET
FOR

VINYLGUARD II
Part A and B

MARBLELIFE urges customers or recipients of this MSDS to study it carefully to become aware of and understand the hazards associated with the product. The reader should consider consulting reference works or individuals who are experts in ventilation, toxicology, and fire prevention, as necessary or appropriate to use and understand the data contained in this MSDS.

To promote safe handling, each customer or recipient should notify its employees, agents, contractors and others who it knows or believes might come in contact with this material of the information in this MSDS and any other information regarding hazards or safety.

SECTION 1 – PRODUCT AND COMPANY IDENTIFICATION

PRODUCT NAME: VinylGuard II Part A and B
GENERAL USE: Polymeric Resin
PRODUCT DESCRIPTION: Water Reducible Polyol

DATE PREPARED: 4/1/2013
SUPERCEDES: New

DISTRIBUTOR'S NAME: MLDistribution, Inc.

Address: 2800 W. Airport Blvd. Ste. 100
Sanford, FL 32771

SECTION 2 – HAZARDOUS INGREDIENTS

INGREDIENT:	1,4-Butanediol	Trimethylopropane monoallyl ether
CAS No.	110-63-4	682-11-1
% by WEIGHT:	7-13	3-7
OSHA PEL:	Not Established	Not Established
OSHA TWA:	Not Established	Not Established
ACGIH TWA:	Not Established	Not Established
ACGIH STEL:	Not Established	Not Established

SECTION 3 – HAZARDOUS IDENTIFICATION

EMERGENCY OVERVIEW

Polyol resin, amber liquid, contact may cause eye irritation and minor skin irritation. Ingestion may cause gastric distress. Will support combustion if involved in fire. Hazard symbol – none. Risk Phrases – not classified.

POTENTIAL HEALTH EFFECTS

INHALATION: None expected, however, certain individuals may be sensitized and experience minor nausea or headaches. Inhalation of airborne mist could be damaging to the lungs.

SKIN: None expected, however, prolonged contact may cause

irritation. EYES: Contact with the eyes will cause irritation.

INGESTION: May cause gastric distress, vomiting and diarrhea. Any material aspirated during vomiting may cause lung injury.

CARCINOGENICITY: NTP? No IARC Monographs? No OSHA Regulated? No

SECTION 4 – FIRST AID MEASURES

INHALATION: Remove affected person to fresh air; if symptoms persist seek medical attention.

SKIN: Remove contaminated clothing; wash affected area with soap and water; launder contaminated clothing before reuse; if irritation persists seek medical attention.

EYES: Remove contact lenses. Flush eyes with clear running water for 15 minutes while holding eyelids open; if irritation persists seek medical attention.

INGESTION: Give two glasses of water for dilution; DO NOT induce vomiting; seek medical attention; never give anything by mouth to an unconscious person.

SECTION 5 – FIRE FIGHTING MEASURES

FLASH POINT:	Non-flammable
METHOD USED:	Not applicable
FLAMMABLE LIMITS:	LFL: Not applicable UFL: Not applicable
	Auto-Ignition Temp: Not determined NFPA Class: None

GENERAL HAZARDS: Product may be irritating to skin, eyes and respiratory tract. Products of combustion include compounds of carbon, hydrogen, nitrogen and oxygen, including carbon monoxide.

EXTINGUISHING MEDIA: Carbon dioxide, dry chemical, chemical foam.

FIRE FIGHTING PROCEDURES: Keep containers cool with water spray to prevent container rupture due to steam buildup; contact with material may cause irritation to skin, eyes and respiratory tract.

UNUSUAL FIRE AND EXPLOSION HAZARDS: None

HAZARDOUS COMBUSTION PRODUCTS: Smoke, fumes, oxides of carbon and nitrogen

SECTION 6 – ENVIRONMENTAL RELEASE MEASURES

STEPS TO BE TAKEN IN CASE MATERIAL IS RELEASED OR SPILLED: Shut off source of leak if safe to do so. Dike and contain product. Confine spill, soak up with clay, sand or other approved absorbent, shovel product into approved container for disposal. Wash area with plenty of water.

SECTION 7 – HANDLING AND STORAGE

PRECAUTIONS TO BE TAKEN IN HANDLING AND STORAGE: Keep containers closed when not in use; protect containers from abuse; protect from extreme temperatures. Keep this and other chemicals out of reach of children.

SECTION 8 – EXPOSURE CONTROLS / PERSONAL PROTECTION

ENGINEERING CONTROLS: The use of local exhaust ventilation is recommended. No other special controls are indicated.

PERSONAL PROTECTION

RESPIRATORY PROTECTION: None required, however, if misting occurs, NIOSH approved respirator capable of removing particulate from air must be worn. Refer to 29 CFR 1910.134 or European Standard EN 149 for complete regulations.

PROTECTIVE GLOVES: Recommended for general protection.

EYE PROTECTION: Safety goggles with side shields

OTHER PROTECTIVE CLOTHING OR EQUIPMENT: Safety eyebath nearby

WORK / HYGIENIC PRACTICES: Practice safe workplace habits. Minimize body contact with this, as well as all chemicals in general.

SECTION 9 – PHYSICAL AND CHEMICAL PROPERTIES

VAPOR PRESSURE (MM Hg):	17 mmHg @ 20° C	VAPOR DENSITY (AIR = 1):	> 1
SPECIFIC GRAVITY (WATER = 1):	1.080		
EVAPORATION RATE (WATER = 1):	< 1		
SOLUBILITY IN WATER:	Totally Miscible		
FREEZING POINT:	Not determined		
pH:	8.5		
APPEARANCE AND ODOR:	Amber liquid, slightly sweet odor	BOILING POINT:	212° F (100° C)
PHYSICAL STATE:	Liquid		
VISCOSITY:	Not specified		
VOLATILE ORGANIC COMPOUNDS:	<10 grams / liter		

SECTION 10 – STABILITY AND REACTIVITY

STABILITY: Stable under normal conditions

CONDITIONS TO AVOID: Extreme temperatures

INCOMPABILITY (MATERIALS TO AVOID): Can react vigorously with strong oxidizers, strong acids, mineral and organic bases, primary and secondary aliphatic amines.

HAZARDOUS DECOMPOSITION OR BYPRODUCTS: Decomposition will not occur if handled and stored properly. In case of a fire, oxides of carbon, nitrogen, hydrocarbons, fumes and smoke may be produced.

HAZARDOUS POLYMERIZATION: May occur under abnormal conditions.

CONDITIONS TO AVOID: Hazardous polymerization may occur with excess of aliphatic amine curing agent.

SECTION 11 – TOXICOLOGICAL INFORMATION

HAZARDOUS INGREDIENT:	1,4-Butanediol	Trimethylolpropane monoallyl ether
CAS #:	110-63-4	682-11-1
EINECS #:	203-786-5	211-662-7
LD50 of INGREDIENT:	1780 mg/kg	5000 mg/kg
(Species and Route):	Oral-rat	Oral-rat
LC50 of INGREDIENT:	15 mg/14 H	Not established
(Species and Route):	Oral-rat	

SECTION 12 – ECOLOGICAL INFORMATION

No data available on the adverse effects of this material on the environment. Neither COD nor BOD data are available. Based on the chemical composition of this product it is assumed that the mixture can be treated in an acclimatized biological waste treatment plant system in limited quantities. However, such treatment should be evaluated and approved for each specific biological system. None of the ingredients in this mixture are classified as a Marine Pollutant.

SECTION 13 – DISPOSAL CONSIDERATIONS

WASTE DISPOSAL METHOD: Dispose of in accordance with Local, State and Federal Regulations. Product is classified as non-hazardous; however, non-hazardous materials may become hazardous waste upon contact with other products. Refer to “40 CFR Protection of Environment Parts 260-299” for complete waste disposal regulations. Consult your Local, State or Federal Environmental Protection Agency before disposing of any chemicals.

SECTION 14 – TRANSPORTATION INFORMATION

PROPER SHIPPING NAME: Not regulated
HAZARD CLASS / PACK GROUP: Not regulated

IATA HAZARD CLASS / PACK GROUP: Not regulated
REFERENCE: Not applicable

IMDG HAZARD CLASS: Not regulated
IDENTIFICATION NUMBER: None

RID/ADR DANGEROUS GOODS CODE: Not regulated
LABEL: None Required

CANADIAN TDG CLASS / DIVISION: Not regulated
HAZARD SYMBOLS: None

HAZARD IDENTIFICATION NUMBER (HIN): None

NOTE: Transportation information provided is for reference only. Client is urged to consult CFR 49 parts 100-177, IMDG, IATA, EC, Canadian TDG, and United Nations TDG information manuals for detailed regulations and exceptions covering specific container sizes, packaging materials and methods of shipping.

SECTION 15 – REGULATORY INFORMATION

TSCA (Toxic Substance Control Act)

All components of this product are listed on the U.S. Toxic Substances Control Act Chemical Inventory (TSCA Inventory) or are exempted from listing because a Low Volume Exemption has been granted in accordance with 40 CFR 723.50.

SARA TITLE III (Superfund Amendments and Reauthorization Act) 311/312 Hazard Categories:
None

313 Reportable Ingredients: None

CERCLA (Comprehensive Response Compensation and Liability Act) None

California Prop 65, Safe Drinking Water and Toxic Enforcement Act of 1986

There are no chemicals present known to the state of California to cause cancer or reproductive toxicity.

CPR (Canadian Controlled Products Regulations)

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: Not Controlled.

IDL (Canadian Ingredient Disclosure List)

Components of this product identified by CAS number and listed on the Canadian Ingredients Disclosure List are shown in Section 2.

DSL / NDSL (Canadian Domestic Substances List / Non-Domestic Substances List)

Components of this product identified by CAS number are listed on the DSL or NDSL and may or may not be listed in Section 2 of this document. Only ingredients classified as "hazardous" are listed in section 2 unless otherwise indicated.

EINECS (European Inventory of Existing Commercial Chemical Substances)

Components of this product identified by CAS number are on the European Inventory of Existing Commercial Chemical Substances.

EC Risk Phrases: Not Classified

EC Safety Phrases: S24/25 Avoid contact with skin
and eyes SYMBOLS REQUIRED FOR LABEL: None

SECTION 16 – OTHER INFORMATION

No specific notes.

HMIS HAZARD RATINGS 0 = INSIGNIFICANT; 1 = SLIGHT; 2 = MODERATE; 3 = HIGH; 4 =

EXTREME HEALTH: 1

FLAMMABILITY: 0

PHYSICAL HAZARD: 0

PERSONAL PROTECTIVE EQUIPMENT: B (SAFETY GLASSES AND GLOVES)

REVISIONS SUMMARY

This MSDS has been revised in the following sections: No changes noted

TRANSPORTATION AND REGULATORY DATA

DOT/IMDG/IATA: Not restricted

EPA – SARA TITLE III/CERCLA: This product is not an insecticide therefore not registered with the EPA.
This product contain a chemical (Hypochlorite Solution) that are regulated under Section 304/CERCLA.

TSCA/DSL STATUS: The components of this product are on the U.S. TSCA Inventory and Canadian DSL.

The information contained herein is believed to be accurate but is not warranted to be so. Users are advised to confirm in advance of need that information is current, applicable and suited to the circumstances of use. Vendor assumes no responsibility for injury to vendee or third persons proximately caused by the material if reasonable safety procedures are not adhered to as stipulated in the data sheet. Furthermore, vendor assumes no responsibility for injury caused by abnormal use of this material even if reasonable safety procedures are followed.

SPECIAL INFORMATION

DISCLAIMER:

The information contained on the Material Safety Data Sheet has been compiled from data considered accurate. This data is believed to be reliable, but it must be pointed out that values for certain properties are known to vary from source to source. MarbleLife, Inc., M.L. Distribution, Inc. expressly disclaims any warranty express or implied as well as any liability for any injury or loss arising from the use of this information or the materials described. This data is not to be construed as absolutely complete since additional data may be desirable when particular conditions or circumstances exist. It is the responsibility of the user to determine the best precautions necessary for the safe handling and use of this product for his unique application. This data relates only to the specific material designated and is not to be used in combination with any other material. Many federal and state regulations pertain directly or indirectly to the product's end use and disposal of containers and unused material. It is the purchaser's responsibility to familiarize themselves with all applicable regulations.

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