

SAFETY DATA SHEET

Product Name: RainguardPro® VandlGuard® Single-Part Urethane

Product Codes: VG-7020, VG-7021, VG-7022, VG-7023, VG-7024, VG-7025

SECTION 1: Identification

MANUFACTURER: Rainguard Brands, LLC
RainguardPro
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United States of America

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REVISION DATE: 06/18/2021

SECTION 2: Hazards Identification

Classification of the substance or mixture: Skin Sensitization - Category 1

GHS label elements

Hazard Pictograms:



Signal Words: Warning

Hazard Statements: May cause an allergic skin reaction
May cause respiratory irritation

May cause drowsiness and dizziness

PRECAUTIONARY STATEMENTS

General: Read the label before use. Keep out of reach of children. If medical advice is needed, have the product container or label on hand.

Prevention: Not applicable

Response: Not applicable

Storage: Store in a well-ventilated place. Keep cool.

Disposal: Not applicable

Supplemental Label Elements: None known

Hazards not otherwise classified: Mild irritation of contaminated tissue and the potential for accidental ingestion.

EYES The liquid is severely irritating to the eyes. High vapor concentrations are also irritating.



SKIN The liquid is moderately irritating to the skin. Prolonged or repeated contact can result in drying of the skin which may result in skin irritation and dermatitis (rash). The liquid may be absorbed through the skin.



INGESTION Ingestion may cause headache, dizziness, fatigue, and central nervous system depression along with gastrointestinal disturbances.

INHALATION Vapors may be an irritation to the nose, throat, and respiratory tract. Exposure to high vapor concentrations may cause central nervous system

(CNS)depression. Aspiration of liquid may cause pneumonitis, pulmonary, edema, and hemorrhage.

SIGNS AND SYMPTOMS OF OVEREXPOSURE

ACUTE TOXICITY:

Irritation as noted above. Early to moderate CNS depression may be evidenced by giddiness, headache, dizziness, and nausea; in extreme cases, unconsciousness and death may occur.

MEDICAL CONDITIONS AGGRAVATED:

Pre-existing eye and skin disorders may be aggravated.

Flammability Hazards:

This product is not flammable. If this product is involved in a fire, the decomposition products generated will include irritating vapors and gases and some carbon monoxide.

Reactivity Hazards:

This product is not reactive.

Environmental Hazards:

Although the release of this product to the environment is not expected to cause a significant adverse effect, all releases should be avoided.

Emergency Considerations:

Emergency responders should wear appropriate protection for the situation to which they respond.

SECTION 3: Composition

HAZARDOUS COMPONENTS

WARNING: THIS PRODUCT CONTAINS CHEMICALS KNOWN TO THE STATE OF CALIFORNIA TO CAUSE CANCER AND BIRTH DEFECTS OR OTHER REPRODUCTIVE HARM.

OTHER INGREDIENTS	CAS #	% BY MASS	HAZARDOUS
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Toxic chemical is subject to the reporting requirements of section 313 of Title III and of 40 CFR 372.

SECTION 4: First Aid Measures

Get immediate medical attention for any significant overexposure.

EYE EXPOSURE:

Contact lenses should be removed. Flush eyes with running water for at least 15 minutes. Hold eyelids apart to ensure rinsing of the entire

surface of the eye and lids with water. Seek immediate medical attention.

SKIN EXPOSURE:

Wash exposed areas with soap and water. Remove contaminated clothing and shoes. Wash contaminated clothing before reuse.

INHALATION:

Move victim to fresh air. If the victim has difficulty breathing, administer oxygen. If breathing has stopped, initiate CPR. Seek immediate medical attention.

INGESTION:

Never give an unconscious person anything to drink. If conscious, treat for shock. Seek immediate medical assistance or the nearest poison control center. If conscious, induce vomiting. If unconscious and vomiting, turn the victim on their side to avoid choking.

SECTION 5: Fire Fighting Measures

FLASH POINT:

> 200°F

METHOD

Not applicable

LOWER EXPLOSION LIMIT:

Not available

UPPER EXPLOSION LIMIT:

Not available

AUTOIGNITION TEMPERATURE:

Not available

EXTINGUISHING MEDIA:

CO₂, dry chemical or water fog.

HAZARDOUS COMBUSTION PRODUCTS:

Carbon monoxide and carbon dioxide can form. Smoke, fumes.

PROTECTIVE EQUIPMENT FOR FIREFIGHTERS:

Use accepted fire fighting techniques. Wear full firefighting protective clothing, including self-contained breathing apparatus (SCBA). If water is used, fog nozzles are preferable. Use water to cool closed containers.

FIRE AND EXPLOSION CONDITIONS:

This product not expected to ignite under normal conditions of use.

SECTION 6: Accidental Release Measures

Remove and eliminate all ignition sources. Control the source of the spill. Ventilate confined spaces. Avoid breathing vapors or mist. Dike and soak up the spill with absorbent material such as sand or Fuller's Earth. Recover free liquid and absorbent material from spill area and shovel or broom into appropriate chemical waste containers for proper disposal. Persons performing clean up should wear adequate personal protective equipment and clothing. Keep out of storm drains, sewers and waterways. Observe all local, state and federal laws and regulations regarding spills, clean-up, removal, discharge, and disposal.

SECTION 7: Handling and Storage

USAGE PRECAUTIONS

Avoid skin and eye contact. Avoid inhalation of vapor. For personal protection, see section 8. Keep the container tightly closed. Smoking, eating, and drinking should be prohibited in areas of storage and use. Never use pressure to empty; the container is not a pressure vessel. Always keep in the same material as the supply container. Keep out of the reach of children.

USAGE DESCRIPTION

Use product only in accordance with the methods listed in section 1.

STORAGE PRECAUTIONS

Maximum storage temperature 60°C, minimum 2°C. Keep closure tight and containers upright to prevent leakage. Precautionary labeling: KEEP FROM FREEZING". Product is non-combustible.

STORAGE CLASS

The storage of this product is not subject to any statutory requirements.

SECTION 8: Exposure Controls and Personal Protection

The recommendations described in this section are provided as general guidance for minimizing exposure when handling this product. Because use conditions will vary depending upon customer applications, specific safe handling procedures should be developed by a person knowledgeable of the intended use, working conditions, and equipment.

RESPIRATORY PROTECTION: Use in a well ventilated and/or open area. Use appropriate NOISH approved organic vapor cartridge respirator equipment when occupational exposure limits are exceeded.

VENTILATION: Local exhaust and or mechanical ventilation in confined or poorly ventilated spaces are recommended.

PROTECTIVE GLOVES: Wear Neoprene or non-soluble plastic gloves.

EYE PROTECTION:	Use approved splash goggles.
PROTECTIVE CLOTHING:	Wear long sleeve clothing selected for condition exposure potential.
INDUSTRIAL HYGIENE:	Before eating or smoking, wash hands and face to remove residual contamination.

SECTION 9: Physical and Chemical Properties

PHYSICAL STATE:	Liquid
FORM:	Liquid
COLOR:	Translucent Amber
ODOR:	Normal Paint Odor
ODOR THRESHOLD:	N/A
BOILING POINT:	212° F
VAPOR DENSITY (AIR =1):	Heavier than air
FLAMMABILITY/EXPLOSIVE LIMITS:	No data available
pH:	8.5
MATERIAL V.O.C.:	<50 g/L
SPECIFIC GRAVITY (H2O = 1):	N/A
EVAPORATION RATE (ETHER = 1):	No data available
VISCOSITY:	N/A
MELTING/FREEZING POINT (°C):	0 °C (32 °F) similar to water
SOLUBILITY IN WATER:	Yes
APPEARANCE & ODOR:	Colored liquid with mild odor
VAPOR PRESSURE (mm HG):	1.0 hPa (68°F)
DECOMPOSITION TEMPERATURE:	124.7°C (DSC) 21.7 J/g Weak exotherm

SECTION 10: Stability and Reactivity

SUBSTANCES TO AVOID:	Do not mix with other chemicals.
CHEMICAL STABILITY:	Stable under recommended storage conditions. PROTECT FROM FROST, HEAT, AND SUNLIGHT.
POSSIBILITY OF HAZARDOUS REACTIONS:	Keep away from oxidizing agents and strongly alkaline and strongly acidic materials to prevent the possibility of an exothermic reaction.
HAZARDOUS DECOMPOSITION OR THERMAL BYPRODUCTS:	In a fire, hazardous decomposition products such as smoke, carbon monoxide, carbon dioxide, and oxides of nitrogen may be produced.

SECTION 11: Toxicological Information

No Data Available

SECTION 12: Ecological Information

ECOTOXICITY: These products have been assessed following the conventional method and are not classified as dangerous for the environment but contain substances dangerous for the environment. See section 3 for details. The product should not be allowed to enter drains or watercourses or be deposited where it can affect ground or surface waters. See also sections 5, 6, and 13.

SECTION 13: Disposal Considerations

GENERAL INFORMATION: When this coating, in its liquid state, as supplied, becomes a waste, it is categorized as non-hazardous waste, with code 08 01 12 (list of wastes). Part used containers, not drained and/ or rigorously scraped out and containing dried residues of the supplied coating, are categorized as non-hazardous waste, with code 08 01 12 (list of wastes). Used containers, drained and/ or rigorously scraped out and containing dried residues of the supplied coating, are categorized as non-hazardous waste, with code 15 01 02 or 15 01 04 (list of wastes). If mixed with other wastes, the above waste code may not be applicable.

DISPOSAL: Do not allow the material to contaminate or cause to be discharged into any storm drain, lake, stream, pond, underground water supplies or any body of water. Incinerate and or bury waste and containers at an approved facility. Dispose of waste materials and containers in accordance with all federal, state and local health, safety and environmental regulations.

SECTION 14: Transportation Information

DOT (US):	-
CANADA (TDG):	-
DOT PROPER SHIPPING NAME:	Combustible Liquid, N.O.S. (secondary butanol, n-butyl alcohol)
UN / NA Number:	NA 1993
Hazard Class:	Division 3
Packing Group:	N/A
NAERG:	128
LABEL:	-

SECTION 15: Regulatory Information

NORTH AMERICAN INVENTORIES:	SARA TITLE III (Superfund Amendments and reauthorization act)
311/312 HAZARD CATEGORIES:	This product should be reported as immediate (acute) health hazard, delayed (chronic) health hazard, and a fire hazard.
FIRE:	PRESSURE GENERATING: Yes REACTIVITY: No ACUTE: Yes CHRONIC: Yes
313 REPORTABLE INGREDIENTS:	To the best of our knowledge, this product is not listed as a toxic chemical.
302/304 EMERGENCY PLANNING:	EMERGENCY PLAN: to the best of our knowledge, this product is not listed as an extremely hazardous substance.

SECTION 16: Other Information

HMIS RATING:

HEALTH 1
 FLAMMABILITY 0
 REACTIVITY 0
 PPE A

KEY:

0 = Minimum
 1 = Slight
 2 = Moderate
 3 = Serious
 4 = Severe

LEGEND:	
ACGIG - American Conference of Governmental Hygienists	IARC - International Agency for Research on Cancer
OSHA - Occupational Safety and Health Administration	TSCA - Toxic Substances Control Act
DOT - Department of Transportation	MSHA - Mine Safety Health Administration
PEL - Permissible Exposure Limit	TWA - Time Weighted Average
DSL - Domestic Substance List	NDSL - Non-Domestic Substance List
RCRA - Resource Conservation and Recovery Act	V - Volume
EPA - Environmental Protection Agency	NIOSH - National Institute for Occupational Safety Health
STEL - Short Term Exposure Limit	VOC - Volatile Organic Compound
HMIS - Hazardous Materials Information System	NTP - National Toxicology Program
TLV - Threshold Limit Value	WHMIS - Workplace Hazardous Materials Information System

DISCLAIMER: The information contained in the document relates to the specific material designated and may not be valid for such material used in combination with any other material or in any process. Such information is to the best of our knowledge and belief accurate and reliable as of the date compiled. However, no representation, warranty or guarantee, is made as to its accuracy, reliability or completeness. It is the user's responsibility to satisfy himself as to the suitability and completeness of such information for their own particular use. Rainguard Brands, LLC and RainguardPro do not accept liability for any loss or damage that may occur from the use or reliance upon this information.