



SAFETY DATA SHEET (SDS)

1. IDENTIFICATION OF THE SUBSTANCE/PREPARATION AND OF THE COMPANY/UNDERTAKING

Material Name: **VandlGuard Single-Part Urethane**
Application: mix well; thin if desired for spray; brush or compliant HVLP spray application
Material: VG-7020- 1 Gal, VG-7021- 5 Gal

Manufacturer: Weatherman Products, Inc.
21622 Surveyor Circle
Huntington Beach, CA 92646

Phone: (949) 515-8800
(866)989-5159
Email: info@rainguard.com
Website: www.rainguard.com

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2. HAZARDS IDENTIFICATION

OSHA/HCS Status: This material is considered non-hazardous by the OSHA Hazard Communication Standard (29 FR 1910.1200)
Classification of the Substrate of 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

Health Hazards: Mild irritation of contaminated tissue and the potential for accidental ingestion.
EYES: Liquid is severely irritating to the eyes. High vapor concentrations are also irritating.
SKIN: 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). Liquid may be absorbed

through the skin.

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

INHALATION: Vapors may be irritating 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 hemorrhaging.

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

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

3. COMPOSITION INFORMATION ON INGREDIENTS

CAS NO.	DESCRIPTION	PERCENTAGE
872-50-4	n-METHYL-2PYRROLIDINONE	3
7732-18-5	WATER	30
N/A	RESIN	65

* Toxic chemical subject to the reporting requirements of section 313 of Title III and of 40 CFR 372. "WARNING: THIS PRODUCT CONTAINS CHEMICALS KNOWN TO THE STATE OF CALIFORNIA TO CAUSE CANCER AND BIRTH DEFECTS OR OTHER REPRODUCTIVE HARM."

4. FIRST-AID MEASURES

GENERAL INFORMATION

In all cases of doubt, or when symptoms persist, seek medical attention. Never give anything by mouth to an unconscious person.

NOTES TO THE PHYSICIAN Consult safety data sheet.

INHALATION: Remove to fresh air, keep the patient warm and at rest. If breathing has stopped, administer artificial respiration. Give nothing by mouth. If unconscious, place in a prone position with head to the side (recovery position) and seek medical advice.

INGESTION: If accidentally swallowed obtain immediate medical advice. Show this safety data sheet. Keep at rest. Do not induce vomiting. If conscious give milk or water to drink.

SKIN CONTACT: Remove contaminated clothing. Wash skin thoroughly with soap and water or use a proprietary skin cleaner. Do not use solvents or thinners.

EYE CONTACT: Contact lenses should be removed. Irrigate copiously with clean, fresh water for at least 10 minutes, holding the eyelids apart, and seek medical advice.

5. FIRE FIGHTING MEASURES

Fire-fighting methods: Product is non-combustible

FLASH POINT: Not flammable

AUTOIGNITION TEMPERATURE: Not established

FLAMMABLE LIMITS (in air by volume, %):

Lower (LEL): Not applicable

Upper (UEL): Not applicable

6. ACCIDENTAL RELEASE MEASURES

PERSONAL PRECAUTIONS

Exclude sources of ignition and ventilate the area. Floors may become slippery. Warn others of the dangers present and exclude non-essential personnel. Refer to protective measures listed in sections 7 and 8. Avoid breathing vapors.

ENVIRONMENTAL PRECAUTIONS

Do not allow to enter drains or water courses. If the product enters drains or sewers the local water company should be contacted immediately; in the case of contamination of streams, rivers or lakes, the Environment Agency.

SPILL CLEAN UP METHODS

Contain and collect spillages with non-combustible absorbent materials, e.g. sand, earth, vermiculite, diatomaceous earth and place in a clearly labeled suitable container for disposal in accordance with the waste regulations (see section 13). Clean preferably with a detergent; avoid the use of solvents

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.

USAGE DESCRIPTION

Use product only in accordance with 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.

8 .EXPOSURE CONTROLS/PERSONAL PROTECTION

EXPOSURE CONTROLS

PROTECTIVE EQUIPMENT:

General protection and hygienic measures: Avoid contact with skin. Do not get in eyes. Do not take internally. Avoid breathing vapors or spray mists. Use in well-ventilated areas.

Hand/skin protection: Wear neoprene or rubber gloves to prevent skin contact. Wash hands before eating, smoking or using the wash room. Food or beverages should not be consumed anywhere this product is handled or stored.

Respiratory protection: None required if good ventilation is maintained. Wear respirator suitable for concentrations and of contaminants encountered. Use approved chemical/mechanical filters designed to remove particulates in open and restricted ventilation areas. Use approved airline type respirators or hoods in confined areas.

Eye/face protection: Use approved safety eyewear including side shields, chemical goggles and face shields.



9. PHYSICAL AND CHEMICAL PROPERTIES

Physical State:	Liquid
Form:	Liquid
Color:	Translucent Amber
Odor:	Normal Paint Oder
Odor Threshold:	Not available
pH:	8.5
Freezing Point:	32 °F
Boiling Point:	212 °F
Flash Point:	160 °F (Closed Cup)
Evaporation Rate:	Slower than ether
Flammability (solid, gas):	No data available.
Flammability Limit - Upper (%)-:	No data available.
Flammability Limit - Lower (%)-:	No data available.
Vapor pressure:	1.0 hPa (68 °F)
Vapor density (air=1):	Heavier than air
Specific Gravity:	N/A
Solubility(ies)	Soluble in water
Solubility in Water:	Yes
Solubility (other):	No data available.
Partition coefficient (n-octanol/water):	No data available
Autoignition Temperature:	No data available.
Decomposition Temperature:	124.7 °C (DSC) 21.7 J/g Weak exotherm
Viscosity	
Explosive properties:	No data available.
Oxidizing properties:	Not classified

10. STABILITY AND REACTIVITY

STABILITY

Stable under the recommended storage and handling conditions (see section 7).

CONDITIONS TO AVOID

Protect from frost, heat and sunlight.

MATERIALS TO AVOID

Keep away from oxidizing agents and strongly alkaline and strongly acidic materials to prevent the possibility of exothermic reaction.

HAZARDOUS DECOMPOSITION PRODUCTS

In a fire, hazardous decomposition products such as smoke, carbon monoxide, carbon dioxide and oxides of nitrogen may be produced.

11. TOXICOLOGICAL INFORMATION

TOXICOLOGICAL INFORMATION

There is no data available on the product itself.

GENERAL INFORMATION

The product has been assessed following the conventional method and is classified for toxicological hazards accordingly. This takes into account, where known, delayed and immediate effects and also chronic effects of components from short term and long term exposure by oral, inhalation and dermal routes of exposure and eye contact, see sections 3 and 15 for the resulting hazard classification.

INGESTION

Ingestion may result in sore throat, abdominal pain, or nausea.

SKIN CONTACT

Repeated or prolonged contact with the product may lead to removal of natural fats from the skin resulting in non-allergic contact dermatitis and absorption through the skin.

EYE CONTACT

Splashes in the eyes may cause irritation and reversible local damage

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.

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 METHODS

Do not allow into drains or water courses or dispose of where ground or surface waters may be affected

14. TRANSPORT INFORMATION

DOT (DEPARTMENT OF TRANSPORTATION)

PROPER SHIPPING NAME: Combustible Liquid, N.O.S. (secondary butanol, n-butyl alcohol)

PRIMARY HAZARD CLASS/DIVISION: 3

UN/NA NUMBER: NA 1993

PACKING GROUP: N/A

NAERG: 128

LABEL:

15. REGULATORY INFORMATION

UNITED STATES

SARA TITLE III (SUPERFUND AMENDMENTS AND REAUTHORIZATION ACT)

311/312 HAZARD CATEGORIES: This product should be reported as an immediate (acute) health hazard, delayed (chronic) health hazard, and a fire hazard.

FIRE: Yes **PRESSURE GENERATING:** No **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.

16. OTHER INFORMATION

MANUFACTURER 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. We do not accept liability for any loss or damage that may occur from the use or reliance upon this information.

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