

SAFETY DATA SHEET



Shurgard RA

As of date: December 22, 2015

Section 1 Product Description

Product Name: Shurgard RA
Recommended Use: Elastomeric all weather secondary moisture / air barrier
Synonyms: Waterbased Latex Coating, Acrylic Coating Emulsion
Manufacturer: Ultrakote Products
327 South 27th Avenue, Phoenix, Arizona 85009
1-800-224-2344
www.ultrakoteproducts.com
General Phone Number: 602-272-5830 (7am-4pm, AZ Std Time)
General Fax Number: 602-272-6445

Section 2 Hazards Identification

Classification of the chemical in accordance with paragraph (d) of 1910.1200;



Signal Word: Irritant, Health Hazards

GHS Class: Eye Irritant, Category 2.
Skin Irritant, Category 2

Hazard Statements: H302 - Harmful if swallowed.
H313 - May be harmful in contact with skin.
H320 - Causes eye irritation.
H335 - May cause respiratory irritation.

Precautionary Statements: P201 - Obtain special instructions before use.
P202 - Do not handle until all safety precautions have been read and understood
P280 - Wear protective gloves/protective clothing/eye protection/face protection.
P308+P313 - If exposed or concerned: Get medical advice/attention.
P405 - Store locked up.
P501A - Dispose of contents/container in accordance with Local, State, Federal and Provincial regulations.

Ingredients(s) with unknown acute toxicity: None

Hazards not otherwise classified identified during the classification process: None

Section 3 Composition Information and Ingredients

Substances: N.A.

Mixture:

<u>Component Name</u>	<u>CAS #</u>	<u>WT %</u>	<u>Classification</u>
-----------------------	--------------	-------------	-----------------------

Water based dispersion of styrene acrylic copolymer	N/A	50 – 60%,	N/A
Calcium Carbonate, Limestone	1317-65-3	10 – 20%,	N/A
1, 2 – Propanediol	57-55-6	1 - 3%,	N/A
Titanium Dioxide	13463-67-7	0.5 - 2%,	Carc. 2, H351
2-Bromo-2-nitro-1,3-propanediol	52-51-7	0.05 – 0.2%	H302, H312, H315, H318, H400

Section 4 First-Aid Measures

Emergency and First Aid Procedures

Inhalation:	Remove casualty to fresh air and keep at rest.
Eyes:	Wash immediately with water with the eyelids open for a sufficient length of time. Remove contact lenses, if present and easy to do. Continue rinsing. If irritation continues, then get medical advice/attention immediately. Protect uninjured eye.
Skin Contact:	Immediately take off all contaminated clothing. Areas of the body that have - or are only even suspected of having - come into contact with the product must be rinsed immediately with plenty of running water and possibly with soap. Wash thoroughly the body (shower or bath). Remove contaminated clothing immediately and dispose of safely.
Ingestion:	If swallowed, do not induce vomiting: seek medical advice immediately and show this container or label.

Most Important symptoms/effects, acute and delayed:

N.A.

Indication of any immediate medical attention and special treatment needed:

In case of accident or unwellness, seek medical advice immediately (show directions for use or safety data sheet if possible).

Section 5 Fire Fighting Measures

Extinguishing Media:	Use carbon dioxide, or water spray when fighting fires involving this material.
Fire Fighting Methods and Protection:	Firefighters should wear full protective equipment and NIOSH approved self-contained breathing apparatus.
Fire and/or Explosion Hazards:	Do not inhale explosion and combustion gases. Burning produces heavy smoke.
Hazardous Combustion Products:	Incomplete combustion of dried product can yield low molecular weight hydrocarbons, carbon monoxide, and carbon dioxide.
Explosive properties:	Not Determined.
Oxidizing properties:	Not Determined.
Special protective equipment and precautions for fire-fighters:	Use suitable breathing apparatus. Collected contaminated fire extinguishing water separately. This must not be discharged into drains. Move undamaged containers from immediate hazard area if it can be done safely.

Section 6 Accidental Release Measures

Steps to Take in Case Material Is	Wear personal protection equipment. Wear breathing apparatus if exposed to vapors/dusts/aerosols. Provide adequate ventilation. Use appropriate respiratory protection. See protective measures under section 7 and 8. Ventilate the contaminated area.
--	---

Released or Spilled:

Suitable material for taking up: absorbing material, organic, sand. Wash with plenty of water.

Section 7 Handling and Storage

Handling:

Avoid contact with skin and eyes, Inhalation of vapors and mists. Exercise care when handling or opening the container. Use localized ventilation system. Don't use empty container before they have been cleaned. Before making transfer operations, assure that there aren't any incompatible material residuals in the containers. Contaminated clothing should be changed before entering eating areas. Do not eat or drink while working. See also section 8 for recommended protective equipment. Wash thoroughly after handling. Wear protective gloves/protective clothing/eye protection/face protection.

Storage:

Keep dry. Keep container tightly closed & upright when not in use to prevent leakage. Protect from freezing.

Storage Code:

N.A.

Section 8 Exposure Controls / Personal Protection

List of components with OEL value

<u>Component</u>	<u>OEL Type</u>	<u>Country</u>	<u>Ceiling</u>	<u>Long Term</u> <u>mg/m3</u>	<u>Long Term</u> <u>ppm</u>	<u>Short Term</u> <u>mg/m3</u>	<u>Short Term</u> <u>ppm</u>	<u>Behavior</u>	<u>Note</u>
Titanium Dioxide	OSHA			15					A4- Not classifiable as a Human Carcinogen; lower tract irritation
	ACGIH			10					
Calcium Carbonate	OSHA			15					
	ACGIH			10					

Control Parameters**Engineering Measures:**

General room ventilation might be required to maintain operator comfort under normal conditions of use.

Personal Protective Equipment (PPE):**Respiratory Protection:**

No respiratory protection required under normal conditions of use.

Respirator Type(s):

Use adequate protective respiratory equipment.

Eye Protection:

Wear close fitting safety glasses or goggles when handling this product.

Skin Protection:

Avoid skin contact by wearing clothing that provides comprehensive protection. Wash hands and other exposed areas with mild soap and water before eating, drinking, and when leaving work.

Gloves:

PVC, neoprene, rubber, nitrile

Section 9 Physical and Chemical Properties

Appearance:	Semi-Fluid Paste
Color:	Light Gray
Odor:	Slight latex-like
Odor Threshold:	Not Established.
pH (Neutrality):	8.5 – 9.5
Melting Point/Freezing Point:	N.A.
Boiling Range (lbp,50%,Dry Point):	N.A.
Flash Point (Test Method):	> 100°C (212°F)
Evaporation Rate:	Same as water
(n-Butyl Acetate=1):	N.A.
Flammability Classification:	N.A.
Lower Flammable	
Limit in Air (% by vol):	N.A.
Upper Flammable	
Limit in Air (% by vol):	N.A.
Vapor Pressure (mm of Hg)@20° C:	N.A.

VAPOR DENSITY (Air=1):	N.A.
GRAVITY @ 68/68°F / 20/20°C:	
Specific Gravity (Water=1):	1.1 – 1.2
Pounds/Gallon:	9.0 – 10.0
Water Solubility:	Dispersible
Partition Coefficient (n-Octane/Water):	N.A.
Auto Ignition Temperature:	N.A.
Decomposition Temperature:	N.A.
Other Information	
Substance Groups relevant properties	N.A.
Miscibility:	N.A.
Fat Solubility:	N.A.
Conductivity:	N.A.

Section 10 Stability and Reactivity

Reactivity:	Stable under normal conditions.
Chemical Stability:	No data available
Possibility of Hazardous Reaction:	None
Conditions to Avoid:	Stable under normal conditions.
Incompatible Materials:	None in particular
Hazardous Decomposition Products:	Will not spontaneously occur. By fire: low molecular weight hydrocarbons, carbon dioxide and monoxide

Section 11 Toxicological Information

Toxicological Information of the mixture:

There is no toxicological data available on the mixture. Consider the individual concentrations of each component to assess toxicological effects resulting from exposure to the mixture.

Toxicological Information on the main components of the mixture:

1, 2-Propanediol:

Eye:	Administration into the eye - Rabbit Standard Draize test : 100 mg [Mild] Administration into the eye - Rabbit Standard Draize test : 500 mg/24H [Mild] (RTECS)
Skin:	Administration onto the skin - Rabbit LD50 - Lethal dose, 50 percent kill : 20800 mg/kg [Details of toxic effects not reported other than lethal dose value] Administration onto the skin - Rabbit LD50 - Lethal dose, 50 percent kill : 20800 mg/kg [Behavioral – Ataxia Behavioral - Tetany Lungs, Thorax, or Respiration - Respiratory depression] (RTECS)
Inhalation:	Inhalation - Rat TCLo - Lowest published toxic concentration : 2180 mg/m ³ /6H/90D (Intermittent) [Behavioral - Food intake (animal). Endocrine - Changes in spleen weight Biochemical - Enzyme inhibition, induction, or change in blood or tissue levels - Dehydrogenases] (RTECS).
Ingestion:	Oral - Rat LD50 - Lethal dose, 50 percent kill : 20 gm/kg [Details of toxic effects not reported other than lethal dose value]. Oral - Mouse LD50 - Lethal dose, 50 percent kill : 22 gm/kg [Details of toxic effects not reported other than lethal dose value]. Oral - Rabbit LD50 - Lethal dose, 50 percent kill : 18500 mg/kg [Details of toxic effects not reported other than lethal dose value]. Oral - Mouse LD50 - Lethal dose, 50 percent kill : 20300 mg/kg [Behavioral - Ataxia Behavioral - Tetany Lungs, Thorax, or Respiration - Respiratory depression] (RTECS).

Titanium Dioxide:

Inhalation: Inhalation - Rat TCLo - Lowest published toxic concentration : 1 mg/kg [Lungs, Thorax, or Respiration – Other changes Biochemical – Metabolism (intermediary) - Effect on inflammation or mediation of inflammation] (RTECS).

Ingestion: Oral - Rat TDLo - Lowest published toxic dose : 60 gm/kg [Gastrointestinal - Hypermotility, diarrhea Gastrointestinal - Other changes] (RTECS).

2-Bromo-2-nitro-1,3-propanediol:

Skin: Rabbit Result: Skin irritation (OECD Test Guideline 404)

Eyes: Rabbit Result: Severe eye irritation (Draize Test)

Carcinogenicity: IARC: No component of this product present at levels greater than or equal to 0.1% is identified as probable, possible or confirmed human carcinogen by IARC.

ACGIH: No component of this product present at levels greater than or equal to 0.1% is identified as a carcinogen or potential carcinogen by ACGIH.

NTP: No component of this product present at levels greater than or equal to 0.1% is identified as a known or anticipated carcinogen by NTP.

OSHA: No component of this product present at levels greater than or equal to 0.1% is identified as a carcinogen or potential carcinogen by OSHA.

Calcium Carbonate:

Skin: Rabbit Result: method OECD 404 - not irritating

Eyes: Rabbit Result: method OECD 405 - not irritating.

Respiratory or skin sensitization: Does not cause skin sensitisation.

Chronic toxicity: No evidence of mutagenic, reproductive or carcinogenic effects

If not differently specified, the information required in the regulation and listed below must be considered NA.

- a) acute toxicity
- b) skin corrosion/irritation
- c) serious eye damage/irritation
- d) respiratory or skin sensitization
- e) germ cell mutagenicity
- f) carcinogenicity
- g) reproductive toxicity
- h) STOT - single exposure
- i) STOT -repeated exposure
- J) aspiration hazard

Substance(s) listed on the IARC Monographs:
Titanium dioxide Group 2B

Substance(s) listed as OSHA Carcinogen(s):
Titanium dioxide

Substance(s) listed as NIOSH Carcinogen(s):
Titanium dioxide

Substance(s) listed on the NTP report on Carcinogens:
Titanium dioxide

Section 12 Ecological Information

Overview: Adopt good working practices, so that the product is not released into the environment.

Ecotoxicity:

QTY, Chemical Name CAS Number

0.5-2%, Titanium Dioxide 13463-67-7

0.05 – 0.2%
2-Bromo-2-nitro-
1,3-propanediol

52-51-7

Eco Toxicity

LC 50 96 h): > 1000 mg/l (static, EPA-540/9-85-006, Acute Toxicity Test for Freshwater Fish)

Microtox: EC50 = 0.41 mg/L 30 min, EC50 = 0.50 mg/L 15 min, EC50 = 0.91 mg/L 5 min

Persistence and degradability: N.A.

Bioaccumulative potential: N.A.

Mobility in soil: N.A.

Other Adverse Effects: N.A.

Section 13 Disposal Considerations

Disposal Methods: Dispose in accordance with all applicable Federal, State and Local regulations. Always contact a permitted waste disposer (TSD) to assure compliance.

Waste Disposal Code(s): Not Determined

Section 14 Transport Information

UN number

ADR-UN number: N/A

DOT-UN number: N/A

IATA-UN number: N/A

IMDG-UN number: N/A

UN proper shipping name

ADR-Shipping Name: N/A

DOT Proper Shipping Name: N/A

IATA-Technical name: N/A

IMDG-Technical name: N/A

Transport hazard class(es)

ADR- Class: N/A

DOT Hazard Class: N/A

IATA- Class: N/A

IMDG-Class: N/A

Packing group

ADR Packing Group: N/A

DOT-Packing group: N/A

IATA-Packing group: N/A

IMDG-Packing group: N/A

Environmental hazards

Marine pollutant: No

Environmental Pollutant: N.A.

Transport in bulk according to Annex II of MARPOL73/78 and the IBC code:

N.A.

Special Precautions

Department of Transportation (DOT):

DOT-Special Provision(s): N/A

DOT Label(s): N/A

DOT Symbol: N/A

DOT Cargo Aircraft: N/A

DOT Passenger Aircraft: N/A

DOT Bulk: N/A

DOT Non-Bulk: N/A

Road and Rail (ADR-RID):
 ADR-Label: N/A
 ADR Hazard identification number: N/A
 ADR Tunnel Restriction Code: N/A

Air (IATA) :
 IATA- Passenger Aircraft: N/A
 IATA- Cargo Aircraft : N/A
 IATA- Label: N/A
 IATA- Subrisk: N/A
 IATA- Erg: N/A
 IATA- Special Provisions: N/A

Sea (IMDG):
 IMDG -Stowage Code: N/A
 IMDG -Stowage Note: N/A
 IMDG -Subrisk: N/A
 IMDG -Special Provisions: N/A
 IMDG -Page: N/A
 IMDG -Label: N/A
 IMDG -EMIS: N/A
 IMDG -MFAG: N/A

Section 15 Regulatory Information

USA - Federal regulations

TSCA • Toxic Substances Control Act

TSCA Inventory:

All the components are listed on the TSCA inventory

TSCA listed substances:

1, 2 – Propanediol	is listed in TSCA	Section 8b
Titanium dioxide	is listed in TSCA	Section 8b

SARA - Superfund Amendments and Reauthorization Act

Section 302 – Extremely Hazardous Substances: no substance listed

Section 304 –Hazardous substances: no substance listed

Section 313 – Toxic chemical list: no substance listed

CERCLA – Comprehensive Environmental Response, Compensations, and Liability Act

Substance(s) listed under CERCLA: no substance listed

CAA – Clean Air Act

CAA Substances listed: no substance listed

CWA – Clean Water Act

CWA Substances listed: no substance listed

USA - state specific regulations

California Proposition 65

Substance(s) listed under California Proposition 65

Titanium dioxide	listed as carcinogen
------------------	----------------------

Massachusetts right to know

Substance(s) listed under Massachusetts Right to Know;

Titanium dioxide

Pennsylvania Right to know

Substance(s) listed under Pennsylvania Right to Know;

Titanium dioxide

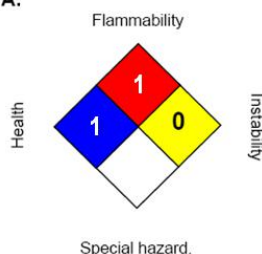
New Jersey Right to know

Substance(s) listed under New Jersey Right to Know;
Titanium dioxide

Section 16 Other Information

This information is intended solely for the use of individuals trained in the NFPA & HMIS hazard rating systems.

NFPA:



HMIS III:

HEALTH	*	1
FLAMMABILITY		1
PHYSICAL HAZARD		0

0 = not significant, 1 = Slight,
2 = Moderate, 3 = High
4 = Extreme, * = Chronic

HMIS Health: 1 = SLIGHT
 HMIS Health: - Is health hazard chronic? Yes
 HMIS Flammability: 1 = Combustible if heated
 HMIS Reactivity: 0 = MINIMAL
 HMIS P.P.E.: Safety glasses, gloves

NFPA Health: 1 = SLIGHT
 NFPA Flammability: 1 = Combustible if heated
 NFPA Reactivity: 0 = MINIMAL
 NFPA Special Risk: NONE

Code	Description
H302	Harmful if swallowed.
H312	Harmful if contact with skin.
H315	Causes skin irritation.
H318	Causes serious eye damage.
H351	Suspected of causing cancer (state route of exposure if it is conclusively proven that no other routes of exposure cause the hazard).
H400	Very toxic to aquatic life.

The information provided in this (Material) Safety Data Sheet represents a compilation of data drawn directly from various sources available to us. Ultrakote makes no representation or guarantee as to the suitability of this information to a particular application of the substance covered in the (Material) Safety Data Sheet.

Glossary

ACGIH	-American Conference of Governmental Industrial Hygienists	OSHA	-Occupational Safety and Health Administration
CAS	-Chemical Abstract Service Number	PEL	-Permissible Exposure Limit
CERCLA	-Comprehensive Environmental Response, Compensation, and Liability Act	ppm	-Parts per million
DOT	-U.S. Department of Transportation	RCRA	-Resource Conservation and Recovery Act
IARC	-International Agency for Research on Cancer	SARA	-Superfund Amendments and Reauthorization
N/A	-Not Available	TLV	-Threshold Limit Value
NTP	-National Toxicology Program	TSCA	-Toxic Substances Control Act
		IDLH	-Immediately dangerous to life and health