



SAFETY DATA SHEET

Issuing Date 28-Apr-2021

Revision Date

Revision Number

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

GHS Product Identifier

Product Name: RV Duck Seal High Performance Non-Sag Lap Sealant & Adhesive

Other Means of Identification

Product Code(s): H3160, H3161, H3162, H3163
Synonyms: None

Recommended Use of the Chemical and Restrictions on Use

Recommended Use: Adhesives. Sealants.
Uses Advised Against: For Exterior Use Only

Manufacturer's Details

Manufacturer Address
ThorWorks Industries, Inc.
2520 S. Campbell St.
Sandusky, OH 44870
1-800-326-1994

Emergency Telephone Number

Emergency Telephone Number Chemtrec 1-800-424-9300

2. HAZARDS IDENTIFICATION

Classification in Accordance with Paragraph (D) of 29 CFR 1910.1200.

Acute Toxicity – Oral – Category 4
Serious Eye Damage/Eye Irritation – Category 2A
Carcinogenicity – Category 1A
Reproductive Toxicity – Category 1B
Specific Target Organ Toxicity – Single Exposure – Category 1 (central nervous system)
Specific Target Organ Toxicity – Repeated Exposure – Category 1 (respiratory system)
Specific Target Organ Toxicity – Repeated Exposure – Category 2 (bladder)

GHS Label Elements

Symbol(s)



Signal Word

Danger

Hazard Statement(s)

Harmful if swallowed.
Causes serious eye irritation.
May cause cancer.
May damage fertility or the unborn child.
Causes damage to organs.

Causes damage to organs through prolonged or repeated exposure.
May cause damage to organs through prolonged or repeated exposure.

Precautionary Statement(s)

Prevention

Obtain special instructions before use.
Do not handle until all safety precautions have been read and understood.
Wear eye protection/face protection.
Do not breathe dust/fume/gas/mist/vapors/spray.
Wash thoroughly after handling.
Do not eat, drink or smoke when using this product.

Response

If exposed: Call a POISON CENTER or doctor/physician.
IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.
If eye irritation persists: Get medical advice/attention.
If SWALLOWED: Call a POISON CENTER/doctor if you feel unwell.
Rinse mouth.
Get medical advice/attention if you feel unwell.
Specific treatment (see label).

Storage

Store locked up.

Disposal

Dispose of contents/container in accordance with local/regional/national/international regulations.

Statement(s) of Unknown Acute Toxicity

Oral 71.91% of the mixture consist(s) of unknown acute toxicity.

3. COMPOSITION/INFORMATION ON INGREDIENTS

Chemical Name	CAS Number	Weight %	Trade Secret
Calcium Carbonate	1317-65-3	30-60	*
Carbonic Acid, Calcium Salt (1:1)	471-34-1	15-40	*
Titanium Dioxide (White, Gray, Beige and Neutral Only)	13463-67-7	1-5	*
Organosilane	2768-02-7	1-5	*
Dibutyltin Oxide	818-08-6	0.1-1	*
Diisononyl Phthalate	28553-12-0	15-40	*
Carbon Black (*used in Black only)	1333-86-4	0.05-<0.1	*

**The exact percentage of composition has been withheld as a trade secret.*

4. FIRST AID MEASURES

Inhalation

IF INHALED: If breathing is difficult, remove person to fresh air and keep at rest in a position comfortable for breathing. Call a POISON CENTER or doctor/physician if you feel unwell.

Skin

IF ON SKIN: Wash with plenty of soap and water. If skin irritation or rash occurs: Get medical advice/attention. Take off contaminated clothing and wash before reuse.

Eyes

IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. If eye irritation persists: Get medical advice/attention.

Ingestion

IF SWALLOWED: Immediately call a POISON CENTER or doctor/physician. Do NOT induce vomiting.

Most Important Symptoms/Effects

Acute

Harmful if swallowed. Causes serious eye irritation.

Delayed

May cause cancer. May damage fertility or the unborn child. Causes damage to organs. Causes damage to organs through prolonged or repeated exposure. May cause damage to organs through prolonged or repeated exposure.

5. FIRE-FIGHTING MEASURES

Extinguishing Media**Suitable Extinguishing Media**

Use carbon dioxide, regular dry chemical, regular foam or water.

Unsuitable Extinguishing Media

Do not use high-pressure water streams.

Special Hazards Arising from the Chemical

Upon decomposition, this product emits carbon monoxide, carbon dioxide and/or low molecular weight hydrocarbons.

Hazardous Combustion Products

Upon decomposition, this product emits carbon monoxide, carbon dioxide and/or low molecular weight hydrocarbons.

Advice for Firefighters

Heating may cause explosion. Containers may rupture or explode.

Fire Fighting Measures

Keep away from sources of ignition – No smoking. Move material from fire area if it can be done without risk. Avoid inhalation of vapors or combustion by-products. Dike for later disposal. Stay upwind and keep out of low areas.

Special Protective Equipment and Precautions for Firefighters

A positive-pressure, self-contained breathing apparatus (SCBA) and full-body protective equipment are required for fire emergencies.

6. ACCIDENTAL RELEASE MEASURES

Personal Precautions, Protective Equipment and Emergency Procedures

Wear personal protective clothing and equipment, see Section 8.

Methods and Materials for Containment and Cleaning Up

Keep unnecessary people away, isolate hazard area and deny entry. In case of spillage, stop the flow of material and block any potential routes to water systems. Only personnel trained for the hazards of this material should perform clean up and disposal.

Environmental Precautions

Do not flush into sanitary sewer systems, drains or surface water. Avoid release to the environment.

7. HANDLING AND STORAGE

Precautions for Safe Handling

Do not handle until all safety precautions have been read and understood. Keep away from all ignition sources. Avoid contact with eyes and skin. Do not eat, drink or smoke when using this product. Always wear recommended personal protective equipment. Wear personal protective clothing and equipment, see Section 8. Take precautionary measures against static discharge.

Conditions for Safe Storage, Including Any Incompatibilities

Store locked up.

Store in a cool, dry place. Store in a well-ventilated area. Keep separated from incompatible substances. Keep container tightly closed. Empty containers may contain product residue. Store and handle in accordance with all current regulations and standards. Avoid contact with temperatures above 120 °C.

Incompatible Materials

Strong oxidizer. Strong acids.

8. EXPOSURE CONTROLS / PERSONAL PROTECTION

Component Exposure Limits

Calcium Carbonate	1317-65-3
NIOSH:	10 mg/m3 TWA total dust; 5 mg/m3 TWA respirable dust
OSHA (US):	15 mg/m3 TWA total dust; 5 mg/m3 TWA respirable fraction
Mexico:	10 mg/m3 TWA VLE-PPT
	20 mg/m3 STEL [PPT-CT]
Carbonic Acid, calcium salt (1:1)	471-34-1

NIOSH:	10 mg/m3 TWA total dust; 5 mg/m3 TWA respirable dust
Titanium Dioxide	13463-67-7
ACGIH:	10 mg/m3 TWA
NIOSH:	2.4 mg/m3 TWA (CIB 63) fine; 0.3 mg/m3 TWA (CIB 63) ultrafine, including engineered nanoscale
	5000 mg/m3 IDLH
OSHA (US):	15 mg/m3 TWA total dust
Mexico:	10 mg/m3 TWA VLE-PPT as Ti
	20 mg/m3 STEL [PPT-CT] as Ti
Carbon Black	1333-86-4
ACGIH:	3 mg/m3 TWA inhalable particulate matter
NIOSH:	3.5 mg/m3 TWA; 0.1 mg/m3 TWA (Carbon Black in presence of Polycyclic Aromatic Hydrocarbons) as PAH
	1750 mg/m3 IDLH
OSHA (US):	3.5 mg/m3 TWA
Mexico:	3.5 mg/m3 TWA VLE-PPT
	7 mg/m3 STEL [PPT-CT]

ACGIH – Threshold Limit Values – Biological Exposure Indices (BEI)

There are no biological limit values for any of this product's components.

Engineering Controls

Ventilation equipment should be explosion-resistant if explosive concentrations of material are present. Provide local exhaust or process enclosure ventilation system.

Individual Protection Measures, Such as Personal Protective Equipment

Eye/Face Protection

Wear splash resistant safety goggles with a face shield.

Respiratory Protection

Selection and use of respiratory protective equipment should be in accordance in the USA with OSHA General Industry Standard 29 CFR 1910.134; or in Canada with CSA Standard Z94.4.

Glove Recommendations

Wear appropriate chemical resistant gloves.

Protective Materials

Wear appropriate chemical resistant clothing.

9. PHYSICAL AND CHEMICAL PROPERTIES

Information on Basic Physical and Chemical Properties

Physical State: Solid
Odor: Mild

Appearance: Paste (Black, White, Gray)
Odor Threshold: No Information Available

<u>Property</u>	<u>Values</u>	<u>Remarks/Method</u>
pH	No data available	None known
Melting Point	No data available	None known
Boiling Point	No data available	None known
Boiling Point Range	No data available	None known
Freezing Point	No data available	None known
Evaporation Rate	No data available	None known
Flash Point	93.3 °C (>200 °F)	None known
Flammability (solid, gas)	No data available	None known
Lower Explosive Limit	No data available	
Upper Explosive Limit	No data available	
Vapor Pressure	No data available	None known
Vapor Density (Air = 1)	No data available	None known
Specific Gravity (Water = 1)	No data available	None known
Water Solubility	(Slightly Soluble)	None known
Solubility in other solvents	No data available	None known
Partition coefficient: n-octanol/water	No data available	None known
Autoignition Temperature	No data available	None known
Decomposition Temperature	No data available	None known
Viscosity	No data available	None known
Kinematic Viscosity	No data available	None known
Solubility (Other)	No data available	None known
Density	No data available	None known

Molecular Weight
Other Information
VOC Content

No data available

None known

No data available

10. STABILITY AND REACTIVITY

Reactivity

No reactivity hazard is expected.

Chemical Stability

Stable at normal temperatures and pressure.

Possibility of Hazardous Reactions

Will not polymerize.

Conditions to Avoid

Avoid heat, flames, sparks and other sources of ignition. Avoid contact with incompatible materials. Avoid contact with temperatures above 120 °C.

Incompatible Materials

Strong acids. Strong oxidizer.

Hazardous Decomposition Products

Upon decomposition, this product emits carbon monoxide, carbon dioxide and/or low molecular weight hydrocarbons.

11. TOXICOLOGICAL INFORMATION

Information on Likely Routes of Exposure

Inhalation

May be harmful if inhaled.

Skin Contact

May cause skin irritation.

Eye Contact

Causes serious eye irritation.

Ingestion

Harmful if swallowed.

Acute and Chronic Toxicity

Component Analysis – LD50/LC50

The components of this material have been reviewed in various sources and the following selected endpoints are published:

Carbonic Acid, Calcium Salt (1:1) (474-34-1)

Oral LD50 Rat 6450 mg/kg

Titanium Dioxide (13463-67-7)

Oral LD50 Rat >10000 mg/kg

Organosilane (2768-02-7)

Oral LD50 Rat 7340 µL/kg

Dibutyltin Oxide (818-08-6)

Oral LD50 Rat 44.9 mg/kg

Diisonoyl Phthalate (28553-12-0)

Oral LD50 Rat >9750 mg/kg

Inhalation LC50 Rat >4.4 mg/L 4h (no deaths occurred)

Carbon Black (1333-86-4)

Oral LD50 Rat >15400 mg/kg

Product Toxicity Data

Acute Toxicity Estimate

Oral	1261.241 mg/kg
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Immediate Effects

Harmful if swallowed. Causes serious eye irritation.

Delayed Effects

May cause cancer. May damage fertility or the unborn child. Causes damage to organs. Causes damage to organs through prolonged or repeated exposure. May cause damage to organs through prolonged or repeated exposure.

Irritation/Corrosivity Data

Causes serious eye irritation.

Respiratory Sensitization

No information on significant adverse effects.

Dermal Sensitization

No information on significant adverse effects.

Component Carcinogenicity

Titanium Dioxide	13463-67-7
ACGIH:	A4 – Not Classifiable as a Human Carcinogen
IARC:	Monograph 93 [2010]; Monograph 47 [1989] (Group 2B (possibly carcinogenic to humans))
DFG:	Category 3A (could be carcinogenic for man; inhalable fraction with the exception of ultra small particles)
OSHA:	Present
NIOSH:	Potential Occupational Carcinogen
Carbon Black	1333-86-4
ACGIH:	A3 – Confirmed Animal Carcinogen with Unknown Relevance to Humans
IARC:	Monograph 93 [2010]; Monograph 65 [1996] (Group 2B (possibly carcinogenic to humans))
DFG:	Category 3B (could be carcinogenic for man; inhalable fraction)
OSHA:	Present
NIOSH:	Potential Occupational Carcinogen

Results of a DuPont epidemiology study showed that employees who had been exposed to Titanium Dioxide pigments were at no greater risk of developing lung cancer than were employees who had not been exposed to Titanium Dioxide pigments. No pulmonary fibrosis was found in any of the employees and no associations were observed between Titanium Dioxide pigment exposure and chronic respiratory disease or lung abnormalities. Based on the results of this study, DuPont concluded that Titanium Dioxide pigment will not cause lung cancer or chronic respiratory disease in humans at concentrations experienced in the workplace.

Germ Cell Mutagenicity

No information on significant adverse effects.

Tumorigenic Data

No information on significant adverse effects.

Reproductive Toxicity

May damage fertility or the unborn child.

Specific Target Organ Toxicity – Single Exposure

Central nervous system.

Specific Target Organ Toxicity – Repeated Exposure

Respiratory system. Bladder.

Aspiration Hazard

No information on significant adverse effects.

Medical Conditions Aggravated by Exposure

No data available.

12. ECOLOGICAL INFORMATION**Ecotoxicity**

May cause long lasting harmful effects to aquatic life.

Component Analysis – Aquatic Toxicity

Diisononyl Phthalate	28553-12-0
Fish:	LC50 96 h Brachydanio rerio >100 mg/L [semi-static]; LC50 96 h Lepomis macrochirus >0.14 mg/L [flow-through]; LC50 96h Lepomis macrochirus >0.17 mg/L [static]; LC50 96 h Pimephales promelas >0.19 mg/L [flow-through]; LC50 96 h Pimephales promelas >0.14 mg/L [static]
Algae:	EC50 72 h Desmodesmus subspicatus >500 mg/L IUCLID; EC50 96 h Pseudokirchneriella subcapitata >1.8 mg/L [static] EPA
Invertebrate:	EC50 48 h Daphnia magna >500 mg/L IUCLID; EC50 48 h Daphnia magna >0.06 mg/L [static] EPA

13. DISPOSAL CONSIDERATIONS**Disposal Methods**

Dispose in accordance with all applicable federal, state/regional and local laws and regulations.

Component Waste Numbers

The U.S. EPA has not published waste numbers for this product's components.

14. TRANSPORTATION INFORMATION**US DOT Information:****Further Information:** Not regulated as dangerous goods.**IATA Information:****Further Information:** Not regulated as dangerous goods.**ICAO Information:****Further Information:** Not regulated as dangerous goods.**IMDG Information:****Further Information:** Not regulated as dangerous goods.**International Bulk Chemical Code**

This material contains one or more of the following chemicals required by the IBC Code to be identified as dangerous chemicals in bulk.

Titanium Dioxide	13463-67-7
IBC Code:	Category Z (Slurry)

15. REGULATORY INFORMATION**U.S. Federal Regulations**

None of this product's components are listed under SARA Sections 302/304 (40 CFR 355 Appendix A), SARA Section 313 (40 CFR 372.65), CERCLA (40 CFR 302.4), TSCA 12 (b), or require an OSHA process safety plan.

SARA Section 311/312 (40 CFR 370 Subparts B and C) Reporting Categories

Carcinogenicity; Acute Toxicity; Reproductive Toxicity; Serious Eye Damage/Eye Irritation; Specific Target Organ Toxicity.

U.S. State Regulations

The following components appear on one or more of the following state hazardous substances lists:

Component	CAS	CA	MA	MN	NJ	PA
Calcium Carbonate	1317-65-3	No	Yes	Yes	Yes	Yes
Titanium Dioxide	13463-67-7	No	Yes	Yes	Yes	Yes

Carbon Black	1333-86-4	Yes	Yes	Yes	Yes	Yes
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California Safe Drinking Water and Toxic Enforcement Act (Proposition 65)

WARNING

This product can expose you to chemicals including Titanium Dioxide, Diisonoyl Phthalate and Carbon Black, which are known to the State of California to cause cancer. For more information, go to www.P65Warnings.ca.gov.

Titanium Dioxide	13463-67-7
Carc:	Carcinogen, 9/2/2011 (airborne, unbound particles of respirable size)
Diisonoyl Phthalate	28553-12-0
Carc:	Carcinogen, 12/20/2013
Carbon Black	1333-86-4
Carc:	Carcinogen, 2/21/2003 (airborne, unbound particles of respirable size)

Canada Regulations

Canadian WHMIS Ingredients Disclosure List (IDL)

Components of this material have been checked against the Canadian WHMIS Ingredients Disclosure List. The List is composed of chemicals which must be identified on SDSs if they are included in products which meet WHMIS criteria specified in the Controlled Products Regulations and are present above the threshold limits listed on the IDL.

Dibutyltin Oxide	88-08-6
	1%
Carbon Black	1333-86-4
	1%

Component Analysis – Inventory

Calcium Carbonate (1317-65-3)

US	CA	EU	AU	PH	JP - ENCS	JP - ISHL	KR KECI - Annex 1	KR KECI - Annex 2	KR - REACH CCA	CN	NZ	MX	TW	VN (Draft)
Yes	NSL	EIN	Yes	Yes	Yes	Yes	Yes	No	No	Yes	Yes	Yes	Yes	Yes

Carbonic Acid, Calcium Salt (1:1) (471-34-1)

US	CA	EU	AU	PH	JP - ENCS	JP - ISHL	KR KECI - Annex 1	KR KECI - Annex 2	KR - REACH CCA	CN	NZ	MX	TW	VN (Draft)
Yes	DSL	EIN	Yes	Yes	Yes	Yes	Yes	No	No	Yes	Yes	Yes	Yes	Yes

Titanium Dioxide (13463-67-7)

US	CA	EU	AU	PH	JP - ENCS	JP - ISHL	KR KECI - Annex 1	KR KECI - Annex 2	KR - REACH CCA	CN	NZ	MX	TW	VN (Draft)
Yes	DSL	EIN	Yes	Yes	Yes	Yes	Yes	No	No	Yes	Yes	Yes	Yes	Yes

Organosilane (2768-02-7)

US	CA	EU	AU	PH	JP - ENCS	JP - ISHL	KR KECI - Annex 1	KR KECI - Annex 2	KR - REACH CCA	CN	NZ	MX	TW	VN (Draft)
Yes	DSL	EIN	Yes	Yes	Yes	Yes	Yes	No	No	Yes	Yes	No	Yes	Yes

Dibutyltin Oxide (818-08-6)

US	CA	EU	AU	PH	JP - ENCS	JP - ISHL	KR KECI - Annex 1	KR KECI - Annex 2	KR - REACH CCA	CN	NZ	MX	TW	VN (Draft)
Yes	DSL	EIN	Yes	Yes	Yes	Yes	Yes	No	No	Yes	Yes	No	Yes	Yes

Diisononyl Phthalate (28553-12-0)

US	CA	EU	AU	PH	JP - ENCS	JP - ISHL	KR KECI - Annex 1	KR KECI - Annex 2	KR - REACH CCA	CN	NZ	MX	TW	VN (Draft)
Yes	DSL	EIN	Yes	Yes	Yes	Yes	Yes	No	No	Yes	Yes	Yes	Yes	Yes

Carbon Black (1333-86-4)

US	CA	EU	AU	PH	JP - ENCS	JP - ISHL	KR KECI - Annex 1	KR KECI - Annex 2	KR - REACH CCA	CN	NZ	MX	TW	VN (Draft)
Yes	DSL	EIN	Yes	Yes	Yes	Yes	Yes	No	No	Yes	Yes	Yes	Yes	Yes

16. OTHER INFORMATION

NFPA	Health Hazard: 2	Flammability: 1	Instability: 0	Physical and Chemical Hazards- Personal Protection: X
HMIS	Health Hazard: 2	Flammability: 1	Physical Hazard: 0	

Revision Date: 28-Apr-2021

Revision Note:

General Disclaimer

The information provided on this SDS is correct to the best of our knowledge, information, and belief at the date of its publication. The information given is designed only as a guide for safe handling, use, processing, storage, transportation, disposal and release and is not to be considered as a warranty or quality specification. The information relates only to the specific material designated and may not be valid for such material used in combination with any other material or in any process, unless specified in the text.