



SAFETY DATA SHEET

SDS#: 830663_E_5

Product: Pro-Tec™ RV Rubber Roof Protectant

Initial Date Prepared: 9/15/2017

Date Revised: 05/29/2020

Revision Number 5

1 - CHEMICAL PRODUCT AND COMPANY IDENTIFICATION:

Product Name: Pro-Tec™ RV Rubber Roof Protectant

Supplier: Camco Manufacturing, Inc.
121 Landmark Drive
Greensboro, NC 27409
1-800-334-2004

Product Use: Roof Protectant
Product Code: 41448 (Gallon)

In case of Emergency: 1-800-535-5053

2 – HAZARDS IDENTIFICATION:

Classification: Acute Toxicity, Oral: Category 5
Eye Damage / Irritation Category 2A
Skin Corrosion / Irritation..... Category 2B
STOT – RE Oral-Target Kidney, Liver Category 2

Hazard Pictogram(s):



Signal Word: WARNING

Hazard Phrases: H303.....Maybe harmful if swallowed
H315.....Causes skin irritation.
H319.....Causes serious eye irritation
H373.....Causes damage to organs through prolonged or repeated exposure.

Precaution Phrases: P260.....Do not breathe dust / fumes / gas / mist / vapors/ spray.
P262.....Avoid getting on clothing, in eye, or on skin.
P264.....Wash hands thoroughly after handling.
P270Do not eat, drink or smoke when using this product.
P280.....Wear protective gloves / protective clothing / eye protection / face protection.

Response Phrases: P312.....Call a POISON CENTER or doctor / physician if you feel unwell.
P314.....Seek medical attention if you feel unwell.
P321Specific treatment: see Section 4 First Aid, on this SDS.
P362.....Take off Contaminated clothing.
P302+P352If ON SKIN: wash with plenty of water
P332+P313If SKIN irritation occurs: seek medical advice / attention.
P337+P313If EYE irritation persists: seek medical advice / attention.
P305+351+338:IF IN EYES: Rinse cautiously with water for several minutes.
Remove contact lenses, if present and easy to do. Continue rinsing.



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Storage and Disposal Phrases: P501Dispose of contents / container according to local, state regional, national, territorial, provincial, federal and international regulations.

Potential Health Effects:

Product can cause irritation to eyes and skin.

EYES:

Contact with the eyes can cause irritation. Symptoms may include discomfort, pain or redness.

SKIN:

Can cause irritation. Symptoms may include reddening and discomfort.

INGESTION:

Ingestion may cause gastrointestinal irritation, nausea, vomiting and diarrhea.

INHALATION:

This product may be irritating to the respiratory system. Inhalation of the mist/spray may cause sneezing, coughing and difficulty breathing.

3 - COMPOSITION, INFORMATION ON INGREDIENTS:

<u>NAME</u>	<u>CAS NUMBER</u>	<u>% WEIGHT</u>	<u>CLASSIFICATION</u>
Ethane-1,2 diol	107-21-1	1 – 4*	H302, 4, Acute Tox. Oral H361, 2, Reproductivity H373, 2, STOT RE, Oral
Amines, Hydrogenated tallow alkyl, ethoxylated, acetates	68201-30-9	0.5 – 3 *	H315, 2, Skin Irritation H319, 2A, Eye Irritation
2,6,8-Trimethyl-4-nonylpolyethylene glycol ether	60828-78-6	0.5 – 3 *	H315, 2, Skin Irritation H319, 2B, Eye Irritation
Surfactant Blend	Mixture	1 – 4*	H315, 2, Skin Irritation H319, 2B, Eye Irritation

Fragrance usage level conforms to IFRA 48th Amendment for the maximum concentrations.

* Percent composition will vary by Product, from batch to batch or exact details are proprietary information.

4 – FIRST AID MEASURES:

General: Take proper precautions to ensure your own health and safety before attempting rescue and providing first aid. Never attempt to give anything orally (by mouth) to a person that is unconscious. If you or another person feels unwell, seek medical advice. Show label to the medical personnel if possible.

Eye Contact: Do not rub eyes. Rinse eyes carefully for at least 15 minutes with low-pressure water. If contact lenses are present, remove if easy to do so. Continue rinsing. Seek medical attention if irritation develops and persists.

Skin Contact: Remove contaminated clothing. Rinse affected area with water for at least 5 minutes. Seek medical attention if irritation develops or persists.

Inhalation: Move from exposure area to fresh air. Monitor breathing. Seek medical attention if feeling unwell or problems breathing.

Ingestion: Rinse mouth with water. Do NOT induce vomiting. Call a POISON CENTER or doctor/physician to get medical advice if one feels unwell.

MOST IMPORTANT SYMPTOMS / EFFECTS. Acute and Delayed:



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- General:** Causes eye and skin irritation..
- Eye Contact:** Causes irritation if in eyes.
- Skin Contact:** Causes irritation and or redness.
- Inhalation:** May cause respiratory irritation resulting in coughing, choking and / or wheezing.
- Ingestion:** Irritation of the gastrointestinal tract may develop with increased thirst, nausea, and / or diarrhea.

5 – FIRE - FIGHTING MEASURES

EXTINGUISHING MEDIA:

Suitable: Water fog or fine spray, alcohol foams, carbon dioxide, or dry chemical.

Unsuitable: **DO NOT** use a heavy stream of water as this may spread the fire.

Fire Hazard: Non-Flammable

Explosion Hazard: Product is not explosive.

Special Hazards: Combustion may produce irritating and /or toxic gases / fumes..

6 – ACCIDENTAL RELEASE MEASURES:

Personal Precautions: Prevent eye, skin and clothing contact. Avoid breathing dust. Spilled material may present a slip hazard on some surfaces.

Environmental Precautions: Prevent large spills from entering into soil, ditches, sewers, waterways and/or groundwater. See Section 12 for Ecological Information/Data.

Containment and Clean up: Stop spill or leak at source if safe to do so. Sweep / Vacuum up spillage and collect in suitable container. Avoid generation of dust / ventilate area of spillage. .

7 – HANDLING AND STORAGE:

Precautions for Safe Handling: Avoid contact with eyes, skin, and clothing. Avoid breathing dust. Wash hands thoroughly after handling. Do not eat or drink after handling without washing hands.

Conditions for safe storage: Store in a cool, dry area. Keep containers dry and tightly closed to avoid moisture absorption or contamination. .

Incompatible Materials: None known.

8 – EXPOSURE CONTROLS / PERSONAL PROTECTION:

Regulatory Exposure Limits (REL's): Listed below for the product components that have regulatory occupational exposure limits (OEL's) established. If no limits are displayed then no values were found or are applicable.

Component	CAS Number:	OSHA PEL	ACGIH TLV	NIOSH IDLH
Ethane-1,2 diol	107-21-1	Ceiling: 50 ppm Ceiling: 125 mg/m ³	TWA: 25 ppm STEL: 10 mg/m ³ STEL: 50 ppm	

Engineering Controls: Ensure adequate ventilation / use in a well-ventilated area.

Personal Protection:

Eye Protection: Safety goggles, face shield, or safety glasses

Skin Protection: Chemical resistant gloves. Apron / suit impervious to the material.

Respiratory Protection: Where OEL's maybe reached or exceeded consult with an industrial hygienist for proper/approved respiration protection.



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General Hygiene: Do **NOT** eat, drink, smoke or use cosmetics when handling this material. Avoid contact with eye, skin and clothing. Avoid breathing the mist.

9 - PHYSICAL AND CHEMICAL PROPERTIES:

Appearance: Opaque Liquid
Physical State: Liquid
Odor: Lemon Scent
Odor Threshold (ppm): Not Determined
pH (10% solution, 20°C): 6.5 – 8
Melting Point (°C/°F): Not Determined
Freeze Point (°C/°F): 0 / 32
Viscosity dynamic (cps @ 25 °C): .. < 50
Viscosity kinematic (cps @ ___ °C): Not Determined
Specific Gravity (@ 21°C): 0.95 - 1.0
Bulk Density (g/cm³):..... 0.92 – 1.01
Evaporation Rate: Similar to water

Boiling Point (°C/°F):..... > 93.3 / 200
Flash Point (°C/°F):..... > 100 / 210
Method:
Flammable Limits in Air by Volume (%):
Lower:Not Determined
Upper:Not Determined
Vapor Pressure:..... Not Determined
Vapor Density: Not Determined
Solubility, water: Soluble
Other: Not Determined
Auto-ignition Temperature(°C/°F) : . Not Determined
Decomposition Temperature (°C/°F):Not Determined
Volatile Organic Compounds (%): 0

10 - STABILITY AND REACTIVITY:

Reactivity:
Not reactive.

Chemical Stability:
Stable under normal temperatures and pressures.

Conditions to Avoid:
Extreme Heat.

Incompatible Materials:
Strong oxidizing agents

Hazardous Decomposition Products:
Decomposition may yield carbon monoxide and carbon dioxide.

Hazardous Polymerization:
Not expected to occur.

11 - TOXICOLOGICAL INFORMATION:

<u>PRODUCT</u>	<u>Oral LD50</u>	<u>Dermal LD50</u>	<u>Inhalation LC50</u>
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Toxicological Information on the product has not been determined.

If data was found / known for the individual components, it is presented below

<u>Component</u>	<u>CAS Number:</u>	<u>Oral LD50</u>	<u>Dermal LD50</u>	<u>Inhalation LC50</u>
Ethane-1,2 diol	107-21-1	Rat: 4700 mg/kg	Rabbit: 10,626 mg/kg	NDF



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2,6,8-Trimethyl-4-nonylpolyethylene glycol ether	60828-78-6	Rat: 3,300 mg/kg	Rabbit: 8,874 mg/kg	NDF
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Amines, Hydrogenated tallow alkyl, ethoxylated, acetates	68201-30-9	NDF	NDF	NDF
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Component	CAS Number:
Ethane-1,2 diol	107-21-1
<u>Skin Corrosion/Irritation:</u> No Irritation, Skin, Rabbit	
<u>Serious Eye Damage/Irritation:</u> Mild Irritation, Eyes, Rabbit, 24 H	
<u>Respiratory or Skin Sensitization:</u> No Data Found	
<u>Carcinogenicity:</u> No Data Found	
<u>Toxicity to Reproduction:</u> No Data Found	
<u>Developmental Toxicity:</u> Laboratory experiments / tests on animals have shown teratogenic and or reproductive disorders.	
<u>Germ Cell Mutagenicity:</u> No Data Found	
<u>STOT – Single exposure</u> No Data Found	
<u>STOT – Repeated exposure</u> Oral: May cause damage to organs, kidney and liver, repeated or prolonged exposure.	

2,6,8-Trimethyl-4-nonylpolyethylene glycol ether	60828-78-6
<u>Skin Corrosion/Irritation:</u> Severe irritation may occur with prolonged contact.	
<u>Serious Eye Damage/Irritation:</u> Severe irritation can occur with contact.	
<u>Respiratory or Skin Sensitization:</u> No Data Found	
<u>Carcinogenicity:</u> No Data Found	
<u>Toxicity to Reproduction:</u> No Data Found	
<u>Developmental Toxicity:</u> No Data Found	
<u>Germ Cell Mutagenicity:</u> No Data Found	
<u>STOT – Single exposure</u> No Data Found	
<u>STOT – Repeated exposure</u> No Data Found	

Amines, Hydrogenated tallow alkyl, ethoxylated, acetates	68201-30-9
<u>Skin Corrosion/Irritation:</u> Severe irritation may occur with prolonged contact.	
<u>Serious Eye Damage/Irritation:</u> Severe irritation can occur with contact.	
<u>Respiratory or Skin Sensitization:</u> No Data Found	



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Carcinogenicity: No Data Found

Toxicity to Reproduction: No Data Found

Developmental Toxicity: No Data Found

Germ Cell Mutagenicity: No Data Found

STOT – Single exposure: No Data Found

STOT – Repeated exposure: No Data Found

12 - ECOLOGICAL INFORMATION:

PRODUCT

Ecotoxicity Information on the product has not been determined.

If data was found / known for the individual components, it is presented below

<u>Component</u>	<u>CAS Number:</u>
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Ethane-1,2 diol	107-21-1
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Hazards to Aquatic Environment:

Acute hazards: Fish: LC₅₀ pimephales promelas, 96 hr: 72,860 mg/L static

Aquatic Invertebrates: EC₅₀ Daphnia Magna, 48 hr: >100 mg/L static, OECD 202

Aquatic Plants: EC₅₀ Selenastrum capricornutum, 96 hr: 6,500-13,000 mg/L

Chronic hazards: Fish: NOEC pimephales promelas, 7 d: 15,380 mg/L static

Aquatic Invertebrates: NOEC Daphnia Magna, 7 d: 8,590 mg/L static

Aquatic Plants: No Data Found

Persistence & Degradability Biodegradation: Expected to be Readily Biodegradable

BOD/COD Ratio: No Data Found; Partition Coefficient: -1.36 log Pow

13 - DISPOSAL CONSIDERATIONS:

Disposal Instructions:

Dispose of waste material according to local, state, federal, and provincial regulations.

RCRA & Hazardous Waste:

It is the responsibility of the waste generator to determine the proper waste identification and disposal method. Consult RCRA, Title 40 CFR 261 for hazardous waste classification and disposal.



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14 - TRANSPORT INFORMATION:

US DOT per 49 CFR 100-185: NOT REGULATED

Proper Shipping Name: Not Applicable

Hazard Class/Division: Not Applicable

UN/NA Number Not Applicable

Packing Group Not Applicable

TDG: NOT REGULATED

IMDG: Refer to Current IMDG regulations for full shipping description requirements

IATA: This material is not prepared or packaged for air transportation

International shipping requirements must be determined by the party offering the material for transportation. The manufacturer does not offer this material for international shipping.

15 - REGULATORY INFORMATION:

US FEDERAL REGULATIONS (for mixture components):

TSCA	SARA 302	SARA 304	SARA 311/312	SARA 313
Listed or Exempt	None Listed	None Listed	None Listed	Ethane-1,2 diol 107-21-1
CWA 307 / 311	CAA 112 (Flammable Substances)	CAA 112 (Toxic Substances)		
None Listed	None Listed	None Listed		

STATE (US) Right -to-Know (for mixture components):

STATE	COMPONENT	CAS #

California Prop 65 This product can expose you to ethylene glycol, which is known to the State of California to cause birth defects or other reproductive harm.

For more information go to www.P65Warnings.ca.gov

Ethylene Glycol	Ethane-1,2 diol , 107-21-1
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California Cleaning Product Right to Know Act (Bill 258), Statement.

<u>NAME</u>	<u>CAS NUMBER</u>	<u>FUNCTION</u>
Water	7732-18-5	Solvent
Siloxanes and Silicones, dimethyl, hydroxyl-terminated	70131-67-8	Humectant
Ethane-1,2 diol	107-21-1	Solvent
Carnauba Wax	8015-86-9	Gloss / Polish
Amines, hydrogenated tallow alkyl, ethoxylated acetates	68201-30-9	Surfactant
2,6,8-Trimethyl-4-nonylpolyethylene glycol ether	60828-78-6	Surfactant
Benzotriazole Polymer Mixture	Trade Secret	UV Absorber
Polyethylene Glycol	25322-68-3	Solvent



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2-dodecylbenzenesulfonic acid	27176-87-0	Surfactant
9-Octadecen-1-ol-ethylene oxide copolymer	9004-98-2	Emulsifier
Poly(oxy-1,2-ethanediyl, a-[4-1'1'3'3-tetramethylbutyl]phenyl)-w-hydroxy-	100-52-7	Emulsifier
Surfactant Mixture	Trade Secret	Surfactant
2,2-Dibromo-3-nitropropionamide	10222-01-2	Preservative
Limonene	5989-27-5	Fragrance

COUNTRY CHEMICAL LISTINGS(for mixture components):

AICS (Australia)	DSL (Canada)
Components Listed Or exempt	Components Listed Or exempt

16 - OTHER INFORMATION:

HMIS Ratings:	HEALTH 1	FIRE 0	REACTIVITY 0
Hazard Scale: 0= Minimal	1 = Slight	2 = Moderate	3 = Serious
		4 = Severe	* = Chronic Hazard

NFPA RATINGS:	HEALTH 1	FLAMMABILITY 0	REACTIVITY 0	OTHER None
Hazard Scale: 0= Minimal	1 = Slight	2 = Moderate	3 = Serious	4 = Severe

ACRONYMS

ACGIH:	American Conference of Governmental Industrial Hygienists	LOEC:	Lowest Observed Effect Level
AICS:	Australian Inventory of Chemical Substances (AUS)	NFPA:	National Fire Protection Association (US)
AUS:	Australia	NICNAS:	National Industrial Chemicals Notification & Assessment Scheme
CAA:	Clean Air Act (US)	NIOSH:	National Institute for Occupational Safety and Health (US)
CAN:	Canada	NDA:	No Data Available
CDC:	Center for Disease Control (US)	NDF:	No Data Found
CEPA:	Canadian Environmental Protection Act (CAN)	NDSL:	Non-Domestic Substances Inventory (CAN)
CERCLA:	Comprehensive Environmental Response, Compensation & Liability Act (US)	NOEC:	No Observed Effect Concentration
CWA:	Clean Water Act (US)	NTP:	National Toxicology Program (US DHHS)
DHHS:	Department of Health and Human Services (US)	OECD:	Organization for Economic Cooperation and Development
DOL:	Department of Labor (US)	OEL:	Occupational Exposure Limit
DOT:	Department of Transportation (US)	OSHA (US):	Occupational Safety and Health Administration (US)
DSL:	Domestic Substances List (CAN)	PEL:	Permissible Exposure Limit
ECHA:	European Chemicals Agency	RCRA:	Resource Conservation and Recovery Act (EPS US)
EINECS	European Inventory of Existing Commercial Chemical Substances	RTK:	Right to Know (US)



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ELINCS	European List of Notified Chemical Substances	RQ	Reportable Quantity
EPA:	Environmental Protection Agency (US)	SARA:	Superfund Amendments and Reauthorization Act (US)
EPCRA:	Emergency Planning & Community Right-to-Know Act (US)	STEL:	Short Term Exposure Limit
GHS:	Global Harmonized System	TDG:	Transportation of Dangerous Goods (CAN)
GRAS:	Generally Regarded as Safe (US)	TLV:	Threshold Limit Value
HCIS:	Hazardous Chemical Information System (AUS)	TPQ:	Threshold Planning Quantity (US SARA)
HMIS	Hazardous Material Information System	TSCA	Toxic Substances Control Act
IARC:	International Agency for Research on Cancer	TWA:	Time Weighted Average
IATA:	International Air Transport Association	UEL	Upper Exposure Limit
IFRA:	International Fragrance Association	US:	United States
IMDG:	International Maritime Dangerous Goods	28 WHIMS	Workplace Hazardous Material Information System (CAN)

DISCLAIMER

To the best of our knowledge, the information contained herein is accurate, obtained from sources believed by Camco Manufacturing, Inc., to be accurate. However, the information is provided without any representation or warranty, expressed or implied, regarding its accuracy or correctness.

The conditions or methods of handling, storage, use and disposal of the product are beyond our control and may be beyond our knowledge. For this and other reasons, we do not assume responsibility and expressly disclaim liability for loss, damage or expense arising out of or in any way connected with the handling, storage, use or disposal of the product. It is the responsibility of the user to determine the safety, toxicity and suitability of their own use, handling and disposal of this product