



Material Safety Data Sheet

Revision Date: 2007-06-13 14:52:35

I. PRODUCT AND COMPANY IDENTIFICATION

Product Name: TRAVELLER RV ANTIFREEZE
Product Code: PO39AF6P

Emergency Phone: (800) 424-9300 (202) 483-7616 (CHEMTREC)
Poison Control Center: (800) 222-1222
Company: TRACTOR SUPPLY CO.
200 Powell Place
Brentwood, TN 37027
Information Phone: 1-877-872-7721
Revision Number: 5

II. COMPOSITION/INFORMATION ON INGREDIENTS

Chemical Name	%	CAS #	OSHA Exposure Limits
Propylene glycol	15 - 40	57-55-6	No PEL established
Acid Red 52	0.001- 0.01	3520-42-1	No PEL established

Components not listed are not physical or health hazards as defined in 29 CFR 1910.1200 (Hazard Communication Standard).

III. HAZARDS IDENTIFICATION

Routes of Entry: Eye contact, Skin contact, Ingestion, Inhalation
Medical Conditions Aggravated by Exposure: No medical conditions affected by exposure.

Immediate (Acute) Health Effects by Route of Exposure:

Inhalation Irritation: Can cause moderate respiratory irritation, dizziness, weakness, fatigue, nausea and headache. Moderately irritating to respiratory tract.
Inhalation Toxicity: Inhalation of high concentrations may result in central nervous system (CNS) effects such as dizziness, weakness, fatigue, nausea, headache, and lack of coordination.
Skin Contact: Can cause moderate skin irritation, defatting, and dermatitis. Not likely to cause permanent damage.
Skin Absorption: No absorption hazard in normal industrial use.
Eye Contact: Can cause moderate irritation, tearing and reddening, but not likely to permanently injure eye tissue.
Ingestion Irritation: Irritating to mouth, throat, and stomach. Can cause abdominal discomfort, nausea, vomiting and diarrhea.
Ingestion Toxicity:

Long-Term (Chronic) Health Effects:

Reproductive and Developmental Toxicity: No data available to indicate product or any components present at greater than 0.1% may cause birth defects. Possible birth defect hazard based on animal data.
Mutagenicity: No data available to indicate product or any components present at greater than 0.1% is mutagenic or genotoxic.
Inhalation: Upon prolonged and/or repeated exposure to concentrations above permissible exposure limits, can cause moderate respiratory irritation, dizziness, weakness, fatigue, nausea and headache.
Skin Contact: Upon prolonged or repeated contact, can cause moderate skin irritation, defatting, and dermatitis. Not likely to cause permanent damage.
Skin Absorption: Upon prolonged or repeated exposure, no hazard in normal industrial use.



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HMIS Ratings:

Health: 2

Flammability: 1

Reactivity: 0

PPE: B

0 - Least 1 - Slight 2 - Moderate 3 - High 4 - Extreme

IV. FIRST-AID MEASURES

Inhalation:	Remove to fresh air. If breathing is difficult, have a trained individual administer oxygen. If not breathing, give artificial respiration and have a trained individual administer oxygen. Get medical attention immediately.
Eyes:	Flush eyes with plenty of water for at least 20 minutes retracting eyelids often. Tilt the head to prevent chemical from transferring to the uncontaminated eye. Get immediate medical attention.
Skin Contact:	Wash with soap and water. Remove contaminated clothing and launder. Get medical attention if irritation develops or persists.
Ingestion:	Do not induce vomiting and seek medical attention immediately. Provide medical care provider with this MSDS.
Notes to Doctor:	No additional first aid information available

V. FIRE FIGHTING MEASURES

Flammability Summary:	Combustible at elevated temperatures
Extinguishing Media:	Use alcohol resistant foam, carbon dioxide, or dry chemical when fighting fires. Water or foam may cause frothing if liquid is burning but it still may be a useful extinguishing agent if carefully applied to the surface of the fire. Do Not direct a stream of water into the hot burning liquid.
Fire and/or Explosion Hazards:	Material may be ignited only if preheated to temperatures above the high flash point, for example in a fire. Empty containers that retain product residue (liquid, solid/sludge, or vapor) can be dangerous. Do not pressurize, cut, weld, braze, solder, drill, grind, or expose container to heat, flame, sparks, static electricity, or other sources of ignition. Any of these actions can potentially cause an explosion that may lead to injury or death.
Fire Fighting Methods and Protection:	Do not enter fire area without proper protection including self-contained breathing apparatus and full protective equipment. Use methods for the surrounding fire.
Hazardous Combustion Products:	Carbon monoxide, Carbon dioxide

VI. ACCIDENTAL RELEASE MEASURES

Personal Precautions and Equipment:	Exposure to the spilled material may be irritating or harmful. Follow personal protective equipment recommendations found in Section VIII of this MSDS. Additional precautions may be necessary based on special circumstances created by the spill including; the material spilled, the quantity of the spill, the area in which the spill occurred. Also consider the expertise of employees in the area responding to the spill.
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Methods for Clean-up:

Prevent the spread of any spill to minimize harm to human health and the environment if safe to do so. Wear complete and proper personal protective equipment following the recommendation of Section VIII at a minimum. Dike with suitable absorbent material like granulated clay. Gather and store in a sealed container pending a waste disposal evaluation.

VII. HANDLING AND STORAGE

Handling Technical Measures and Precautions:

Harmful or irritating material. Avoid contacting and avoid breathing the material. Use only in a well ventilated area. Empty containers may retain product residues/ vapors. Use proper bonding and grounding during bulk product transfer. "Empty" containers retain product residue (liquid and/or vapor) and can be dangerous. Keep in air-tight containers- material is hygroscopic. Do not get in eyes, on skin and clothing Wash thoroughly after handling Avoid contact with material, avoid breathing dusts or fumes, use only in a well ventilated area. As with all chemicals, good industrial hygiene practices should be followed when handling this material.

Storage Technical Measures and Conditions:

Store in a cool dry place. Isolate from incompatible materials. Do not store near combustible materials Store in a tightly closed container Store in a cool dry place

VIII. EXPOSURE CONTROLS/PERSONAL PROTECTION

Engineering Measures: No exposure limits exist for the constituents of this product. Use local exhaust ventilation or other engineering controls to minimize exposures and maintain operator comfort. Use process enclosures, local exhaust ventilation, or other engineering controls to control airborne levels below recommended exposure limits Engineering controls must be designed to meet the OSHA chemical specific standard in 29 CFR 1910.

Respiratory Protection: Respiratory protection may be required to avoid overexposure when handling this product. General or local exhaust ventilation is the preferred means of protection. Use a respirator if general room ventilation is not available or sufficient to eliminate symptoms. Respiratory protection may be required in addition to ventilation depending upon conditions of use. Follow a respiratory protection program that meets 29 CFR 1910.134 and ANSI Z88.2 requirements whenever work place conditions warrant the use of a respirator.

Eye Protection: Wear chemically resistant safety glasses with side shields when handling this product. Do not wear contact lenses. Wear goggles and a Face shield

Skin Protection: Wear protective gloves. Inspect gloves for chemical break-through and replace at regular intervals. Clean protective equipment regularly. Wash hands and other exposed areas with mild soap and water before eating, drinking, and when leaving work Where contact is likely, wear chemical resistant gloves, a chemical suit, rubber boots, and chemical safety goggles plus a face shield

Gloves: No information available

Control Parameters:

Chemical Name
Propylene glycol
Acid Red 52

ACGIH TLV-TWA
No TLV
No TLV

ACGIH STEL

IDLH
ND
ND



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IX. PHYSICAL AND CHEMICAL PROPERTIES

pH:	ND
Solubility in Water:	Complete; 100%
Octanol/Water Partition Coefficient:	1.41
Melting Point:	-60 deg. C
Specific Gravity:	1.01
Bulk Density:	8.545

X. STABILITY AND REACTIVITY

Stability:	Stable under normal conditions.
Conditions to Avoid:	Temperatures above the high flash point of this combustible material in combination with sparks, open flames, or other sources of ignition. Contamination
Materials to Avoid/Chemical Incompatibility:	Strong reducing agents Acids Strong oxidizing agents
Hazardous Decomposition Products:	Carbon monoxide Carbon dioxide

XI. TOXICOLOGICAL INFORMATION

Component Toxicology Data (NIOSH):

Chemical Name	CAS Number	LD50/LC50
1,2-Propanediol	57-55-6	Oral LD50 Rat : 20 gm/kg; Oral LD50 Mouse : 22 gm/kg; Dermal LD50 Rabbit :
Ammonium, (6-(diethylamino)-9-(2,4-disulfophenyl)-3H-xanthen-3-ylidene)diethyl-, hydroxide, inner salt, sodium salt	3520-42-1	Oral LD50 Mouse: 10300 mg/kg

XII. ECOLOGICAL INFORMATION

Overview:	Moderate ecological hazard. This product may be dangerous to plants and/or wildlife.
Mobility:	No data
Persistence:	No data
Bioaccumulation:	No data
Degradability:	No data

XIII. DISPOSAL CONSIDERATIONS

Disposal of Packaging:	Recycle containers whenever possible.
Disposal Methods:	Dispose of in a landfill. Disposal is not likely to be regulated.

XIV. TRANSPORTATION INFORMATION

DOT & IMDG: NOT RESTRICTED

XV. REGULATORY INFORMATION

TSCA Status:	A component (or components) of this product is not listed on the TSCA Inventory of Existing Chemical Substances.
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Chemical Name	CAS #	Regulation	% Range
No 313-listed chemicals in this product		SARA 313	
1,2-Propylene glycol	57-55-6	Canadian WHMIS list	15 - 40
1,2-Propanediol	57-55-6	Pennsylvania RTK List	15 - 40



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XVI. ADDITIONAL INFORMATION

Disclaimer: This material safety data sheet and the information it contains is offered to you in good faith as accurate. We have reviewed any information contained in the data sheet which we have received from outside sources and we believe the information to be correct, but cannot guarantee its accuracy or completeness. Health and safety precautions in this data sheet may not be adequate for all individuals and/or situations. It is the user's obligation to evaluate and use this product in a safe manner and to comply with all applicable laws and regulations. No statement made in this data sheet shall be construed as permission or recommendation for the use of any product in a manner that might infringe existing patents. No warranty is made, either expressed or implied.