

MATERIAL SAFETY DATA SHEET

WINTER CARE RV ANTIFREEZE

SECTION 1 IDENTIFICATION

COMPANY NAME: CHEMICAL SPECIALTIES, INC.
EMERGENCY PHONE NUMBER: 303-675-0944
TRADE NAME: RV ANTIFREEZE

SECTION 2 INGREDIENTS

<u>Chemical Name/ Common Name</u>	<u>CAS #</u>	<u>% by Weight</u>	<u>TLV Source</u>
Propylene Glycol	57-55-6	30	N/A
De-ionized Water	7732-18-5	70	

This document is prepared pursuant to the OSHA Hazard Communication Standard (29CFR 19101200). In addition, other substances not "Hazardous" per this OSHA Standard may be listed. Where proprietary ingredient shows, the identity may be made available as provided in this standard.

SECTION 3 HAZARDS IDENTIFICATION

<u>NFPA RATINGS (Scale 0-4)</u>	<u>Health</u>	<u>Fire</u>	<u>Reactivity</u>	<u>Other</u>
	0	1	0	N/A
Key: 0-Minimal	1-Slight	2-Moderate	3-Serious	4-Severe

POTENTIAL HEALTH EFFECTS

Routes of Exposure: Eye Contact, Skin Contact, Inhalation, Ingestion, Signs and Symptoms of Overdose

Eye: May cause minor eye irritation

Skin: No significant adverse effects are expected under anticipated conditions of normal use. Repeated, prolonged exposure may cause slight flaking, tenderness and softening of skin.

Ingestion: No significant adverse effects are expected under anticipated conditions of normal use. Excessive ingestions may cause central nervous system effects.

Inhalation: No significant adverse effects are expected under anticipated conditions of normal use. If effects do occur, refer to FIRST AID section.

Signs and symptoms of Overexposure: Same as above.

Medical Conditions Generally Aggravated By Exposure: Material an/or its emissions may aggravate preexisting eye disease.

Other Health Information: None

MATERIAL SAFETY DATA SHEET

SECTION 4 FIRST AID MEASURES

Ensure physician has access to this MSDS.

Eyes: Immediately flush eyes with large amounts of water for 20-30 minutes, lifting lower and upper lids. Get medical attention as soon as possible. Obtain medical attention if pain, blinking, tears or redness persist.

Skin: Product is not expected to present a significant skin hazard under anticipated conditions of normal use.

Inhalation: If overdose by exposure, remove victim to fresh air immediately. Give oxygen or artificial respiration as needed. Obtain emergency medical attention. Prompt action is essential.

Ingestion: If large quantity is swallowed, give a pint of luke warm water if victim is completely conscious and alert. If large quantities are consumed, induce vomiting. Obtain emergency medical attention.

SECTION 5 FIRE FIGHTING MEASURES

Flammable Properties

Flash Point: 218° F

Flammable or Explosive Limits (approximate % by volume in air) LEL: 2.6 UEL: 12.5

Extinguishing Media: Carbon dioxide, dry chemical, alcohol type foam, water spray, water fog

Special Fire Fighting Procedures: Wear positive pressure, self contained breathing apparatus and other protective apparatus as warranted. Fight fire from distance or protected location- heat may build up pressure and rupture closed containers. Liquid may form slippery film. Use water spray or fog for cooling, solid stream may spread fire as burning liquid will float on water. Avoid frothing/steam explosion. Notify authorities if liquid enters sewers/public waters.

Unusual Fire and Explosion Hazards: None known.

SECTION 6 ACCIDENTAL RELEASE MEASURES

Steps To Be Taken In Case Material Is Released Or Spilled: Prevent flow to sewers and public waters as it may contaminate said water. Restrict water usage to prevent slip/fall hazard. Soak up small spills with inert solids. Dike and recover large land spills. Notify appropriate authorities if product enters any waterway.

SECTION 7 HANDLING AND STORAGE

Precautions To Be Taken Handling And Storage: Store in tightly closed and properly vented containers, away from heat, spark, open flame and strong oxidizing agents.

KEEP OUT OF REACH OF CHILDREN. READ PRODUCT LABEL

SECTION 8 EXPOSURE CONTROLS/PERSONAL PROTECTION

Respiratory Protection: No special respiratory protection equipment is recommended under normal conditions of anticipated use with adequate ventilation.

Ventilation: Adequate general ventilation is required, local exhaust is recommended, if possible

MATERIAL SAFETY DATA SHEET

SECTION 8 EXPOSURE CONTROLS/PERSONAL PROTECTION (Continued)

Protective Gloves: Not required

Eye Protection: Chemical splash goggles or full face shield must be worn when possibility exists for eye contact due to splashing or spraying liquid, airborne particles, or vapor. Contact lenses should not be worn.

Other Protective Equipment: None

Work Practices/Engineering Controls: Keep containers closed when not in use.

Personal Hygiene: If product handling results in skin contact, wash hands and other exposed areas with mild soap and water before eating, drinking, smoking or using toilet facilities. Promptly remove soiled clothing and wash thoroughly before reuse.

SECTION 9 PHYSICAL PROPERTIES

Boiling Point (def F):	370
Freeze Point:	Product will not freeze
Specific Gravity (Water=1):	1.01
Vapor Pressure (mm of Hg) @ 20C:	<0.1
Vapor Density (air=1):	2.6
Water Solubility:	Complete
Evaporation Rate (BuAc=1):	Slight
Appearance:	Clear, red Liquid
Odor:	Slightly viscous, almost odorless liquid

SECTION 10 STABILITY AND REACTIVITY

Stability:	Stable
Conditions To Avoid:	Heat, sparks, open flame
Materials To Avoid:	Strong alkalis, strong oxidizing agents
Hazardous Decomposition or By-Products:	Carbon monoxide, and other toxic vapors
Hazardous Ploymerization:	Not expected to occur

SECTION 11 DISPOSAL CONSIDERATIONS

Waste Disposal Method: Landfill solids at permitted sites using registered transporters. Burn concentrated liquids, avoiding flameouts and assuring emissions comply with applicable regulations. Diluted aqueous waste may biodegrade, but avoid overloading plant biomass and assure effluent complies with applicable regulations.

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