Material Safety Data Sheet

Section 1: Product & Company Identification

Product Name: **Carquest Radiator Anti-Rust**

Product Number (s): **2010 (CRC Part# 09632)**

Manufactured By:

CRC Industries, Inc.
885 Louis Drive
Warminster, PA 18974
www.crcindustries.com

General Information	(215) 674-4300
Technical Assistance	(800) 521-3168
Customer Service	(800) 272-4620
24-Hr Emergency (CHEMTREC)	(800) 424-9300

Section 2: Hazards Identification

Emergency Overview

Appearance & Odor: Milky white liquid emulsion, mild petroleum odor

WARNING:
May cause eye irritation.

As defined by OSHA's Hazard Communication Standard, this product is non-hazardous.

Potential Health Effects:

EYE:	May cause mild to moderate irritation to the eyes depending on quantity and duration of exposure.
SKIN:	No acute effects expected. However, prolonged contact may cause mild irritation, drying and cracking of the skin.
INHALATION:	No health effects expected under normal conditions of use.
INGESTION:	Generally non-toxic if ingested in small amounts. May cause vomiting, diarrhea or gastrointestinal discomfort.
CHRONIC EFFECTS:	None known
TARGET ORGANS:	None known

Medical Conditions Aggravated by Exposure: Unknown

See Section 11 for toxicology and carcinogenicity information on product ingredients.

Section 3: Composition/Information on Ingredients

COMPONENT	CAS NUMBER	% by Wt.
Water	7732-18-5	75 - 85
Hydrotreated heavy naphthenic oil	64742-52-5 / 64742-53-6	15 - 25
Corrosion inhibitor blend	blend	2 - 5

Section 4: First Aid Measures

Eye Contact: Immediately flush with plenty of water for 15 minutes. Call a physician if irritation persists.

Skin Contact: Remove contaminated clothing and wash affected area with soap and water. Call a physician if irritation persists. Wash contaminated clothing prior to re-use.

Inhalation: Remove person to fresh air. Keep person calm. If not breathing, give artificial respiration. If breathing is difficult give oxygen. Call a physician.

Ingestion: If swallowed, DO NOT induce vomiting. Give victim a glass of water. If severe symptoms develop, get medical attention immediately.

Note to Physicians: None

Section 5: Fire-Fighting Measures

Flammable Properties: As defined by OSHA, this product is not flammable.

Flash Point:	None (TCC)	Upper Explosive Limit:	ND
Autoignition Temperature:	None	Lower Explosive Limit:	ND

Suitable Extinguishing Media: Use extinguishing media appropriate for the surrounding fire.

Products of Combustion: If heated, product may produce carbon oxides and sulfur oxides.

Protection of Fire-Fighters: Firefighters should wear self-contained, NIOSH-approved breathing apparatus for protection against suffocation and possible toxic decomposition products. Proper eye and skin protection should be provided. Use water spray to keep fire-exposed containers cool and to knock down vapors which may result from product decomposition.

Section 6: Accidental Release Measures

Personal Precautions: Use personal protection recommended in Section 8.

Environmental Precautions: Take precautions to prevent contamination of ground and surface waters. Do not flush into sewers or storm drains. This product may be harmful to aquatic life.

Methods for Containment & Clean-up: Dike area to contain spill. Ventilate the area with fresh air. If in confined space, clean-up workers may need to consider respiratory protection. Recover or absorb spilled material using an absorbent designed for chemical spills. Place used absorbents into proper waste containers.

Section 7: Handling and Storage

Handling Procedures: Avoid contact with eyes, skin and clothing. Do not expose material to sources of ignition. Provide adequate ventilation. Wash hands after use and before handling food items.

Storage Procedures: Store in a cool dry area out of direct sunlight. Keep containers closed when not in use.

Aerosol Storage Level: NA

Section 8: Exposure Controls/Personal Protection

Exposure Guidelines:

	OSHA		ACGIH		OTHER		
COMPONENT	TWA	STEL	TWA	STEL	TWA	SOURCE	UNIT
Water	NE	NE	NE	NE	NE		
Hydrotreated heavy naphthenic oil	5*	NE	5*	10*	NE		mg/m^3
Corrosion inhibitor blend	NE	NE	NE	NE	NE		
N.E. – Not Established	(c) – ceiling		(s) – skin		(v) – vacated	* – oil mist	

Engineering Controls: Area should have ventilation to provide fresh air. Use local exhaust to prevent accumulation of vapors. Use mechanical means if necessary to maintain vapor levels below the exposure guidelines. If working in a confined space, follow applicable OSHA regulations

Respiratory Protection: None required for normal work where adequate ventilation is provided. Use a self-contained breathing apparatus in confined spaces and for emergencies.

Eye/face Protection: For normal conditions, wear safety glasses. Where there is reasonable probability of liquid contact, wear splash-proof goggles.

Skin Protection: Use protective gloves such as nitrile, neoprene or rubber if prolonged contact with cleaner is expected or if you have sensitive skin.

Section 9: Physical and Chemical Properties

Physical State: liquid emulsion
Color: milky white
Odor: mild petroleum
Specific Gravity: 0.984
Initial Boiling Point: 212 F
Freezing Point: ND
Vapor Pressure: ND

Vapor Density: ND (air = 1)
Evaporation Rate: < 1 (ether = 1)
Solubility: emulsion in water
pH: 9.8
Volatile Organic Compounds: wt %: 0 g/L: 0 lbs./gal: 0

Section 10: Stability and Reactivity

Stability: Stable

Conditions to Avoid: None

Incompatible Materials: Strong oxidizers, acids

Hazardous Decomposition Products: Oxides of carbon, sulfur

Possibility of Hazardous Reactions: No

Section 11: Toxicological Information

Long-term toxicological studies have not been conducted for this product. The following information is available for components of this product.

ACUTE EFFECTS

Component	Test	Result	Route	Species
Hydrotreated naphthenic oil	LD50	> 5000 mg/kg	Oral	Rat
Hydrotreated naphthenic oil	LD50	> 2000 mg/kg	Dermal	Rabbit
Hydrotreated naphthenic oil	LC50	2.18 mg/L/4H	Inhalation	Rat

CHRONIC EFFECTS

Carcinogenicity:

	Component	Result
OSHA:	None listed	
IARC:	None listed	
NTP:	None listed	

Mutagenicity: Hydrotreated naphthenic oil — Mutagenic index of less than 1.0

Other: IARC has determined in reviewing cancer prevalence of exposed workers that the carcinogenic activity of refined oils is related to the severity of processing of the base oil. The base oils contained in this product have been highly refined to remove aromatics, thus reducing carcinogenic potential. IP346: DMSO < 3.0%

Section 12: Ecological Information

Ecological studies have not been conducted for this product. The following information is available for components of this product.

Ecotoxicity: hydrotreated naphthenic oil – 96 Hr LC50, Fathead minnow: >30,000 mg/L (static)
Persistence / Degradability: No information available.

Bioaccumulation / Accumulation: No information available.
Mobility in Environment: No information available.

Section 13: Disposal Considerations

Disposal: This material is not a RCRA hazardous waste. (See 40 CFR Part 261.20 – 261.33)
Wastes should be collected and properly disposed. Do not dump into bodies of water or on the ground.

All disposal activities must comply with federal, state and local regulations. Local regulations may be more stringent than state or national requirements.

Section 14: Transport Information

Proper shipping description:

US DOT (ground): Not Regulated

Special Provisions: None

Section 15: Regulatory Information

U.S. Federal

Toxic Substances Control Act (TSCA):

All ingredients are either listed on the TSCA inventory or are exempt.

Comprehensive Environmental Response, Compensation and Liability Act (CERCLA):

Reportable Quantities (RQ's) exist for the following ingredients: None

Spills or releases resulting in the loss of any ingredient at or above its RQ require immediate notification to the National Response Center (800-424-8802) and to your Local Emergency Planning Committee.

Superfund Amendments Reauthorization Act (SARA) Title III:

Section 302 Extremely Hazardous Substances (EHS): None

Section 311/312 Hazard Categories:

Fire Hazard	No
Reactive Hazard	No
Release of Pressure	No
Acute Health Hazard	Yes
Chronic Health Hazard	No

Section 313 Toxic Chemicals: This product contains the following substances subject to the reporting requirements of Section 313 of Title III of the Superfund Amendments and Reauthorization Act of 1986 and 40 CFR Part 372:
None

Clean Air Act:

Section 112 Hazardous Air Pollutants (HAPs): None

State Regulations

California Safe Drinking Water and Toxic Enforcement Act (Prop 65):
This product may contain the following chemicals known to the state of California to cause cancer, birth defects or other reproductive harm: NONE

State Right to Know:

New Jersey:	None
Pennsylvania:	None
Massachusetts:	None
Rhode Island :	None

Additional Regulatory Information: None

Section 16: Other Information

NFPA:	Health:	1	Flammability:	1	Reactivity:	0		
HMIS:	Health:	1	Flammability:	1	Reactivity:	0	PPE:	B

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Changes since last revision: MSDS reformatted in accordance with ANSI Z400.1-2004

The information contained in this document applies to this specific material as supplied. It may not be valid for this material if it is used in combination with any other materials. This information is accurate to the best of CRC Industries' knowledge or obtained from sources believed by CRC to be accurate. Before using any product, read all warnings and directions on the label.

CAS:	Chemical Abstract Service	NA:	Not Applicable
ppm:	Parts per Million	ND:	Not Determined
TCC:	Tag Closed Cup	NE:	Not Established
PMCC:	Pensky-Martens Closed Cup	g/L:	grams per Liter
PPE:	Personal Protection Equipment	lbs./gal:	pounds per gallon
TWA:	Time Weighted Average	STEL:	Short Term Exposure Limit
OSHA:	Occupational Safety and Health Administration		
ACGIH	American Conference of Governmental Industrial Hygienists		
NIOSH	National Institute of Occupational Safety & Health		