

# Road King Antifreeze Crimson HD Total Premixed 50/50



## SAFETY DATA SHEET

### Section 1

### PRODUCT AND COMPANY IDENTIFICATION

**PRODUCT NAME:**

Road King Antifreeze Crimson HD Total Premixed 50/50

**PRODUCT CODE:**

9901RED50

**RECOMMENDED USE:**

Antifreeze

**MANUFACTURER:**

Innovative Fluids, LLC  
916 Huber Drive  
Monroe, MI 48162  
734-241-5699

**EMERGENCY NUMBER:**

1-800-424-9300 (CHEMTREC)

### Section 2

### HAZARDS IDENTIFICATION

**CLASSIFICATION OF THE SUBSTANCE OR MIXTURE****GHS LABEL ELEMENTS:**

The product is classified and labeled according to the Globally Harmonized System (GHS)

**PHYSICAL STATE:**

Red Liquid

**ODOR:**

Mild Odor

**CLASSIFICATION(S):**

Acute Toxicity, Category 4  
Toxic to Reproduction, Category 2  
Specific Target Organ Toxicity Following Single Exposure, Category 2

**Hazard Rating**

	HMIS	NFPA
Health:	2	1
Flammability:	1	1
Reactivity:	0	0
Personal Protection:	B	-

**SIGNAL WORD: WARNING!****SYMBOL(S):**

**HAZARD STATEMENT(S):**

Harmful if swallowed. May cause damage to organs through prolonged or repeated exposure. Suspected of damaging fertility or the unborn child.

**PRECAUTIONARY STATEMENT(S):****GENERAL PRECAUTIONARY STATEMENT(S):**

Keep out of reach of children

Read label before use

**PREVENTION PRECAUTIONARY STATEMENT(S):**

Obtain special instructions before use

Do not handle until all safety precautions have been read and understood

Do not breathe dust/fume/gas/mist/vapors/spray

Wash hands thoroughly after handling

Do not eat, drink or smoke when using this product

Wear protective gloves/protective clothing/eye protection/face protection

**RESPONSE PRECAUTIONARY STATEMENT(S):**

IF SWALLOWED: Immediately call a POISON CENTER or doctor/physician

IF SWALLOWED: Rinse mouth. Do NOT induce vomiting

IF INHALED: Remove victim to fresh air and keep at rest in a position comfortable for breathing

IF exposed or concerned: Get medical advice/attention

**STORAGE PRECAUTIONARY STATEMENT(S):**

Store in a closed container

Store locked up

**DISPOSAL PRECAUTIONARY STATEMENT(S):**

Dispose of contents/containers should be cleaned of residual product before disposal, and disposed of in accordance with all applicable laws and regulations

**OTHER HAZARDS WHICH DO NOT RESULT IN CLASSIFICATION:**

No additional information available

**Section 3****COMPOSITION/INFORMATION ON INGREDIENTS****COMPONENT LISTING:**

<b><u>Chemical Name</u></b>	<b><u>Amount</u></b>	<b><u>CAS Number</u></b>
Ethylene Glycol	≤ 50 %	107-21-1
Water	< 50 %	7732-18-5
Sodium Nitrite	< 1 %	7632-00-0
Potassium Hydroxide Solution	< 1 %	1310-58-3
Sodium Benzoate	< 1 %	532-32-1
Sodium Molybdate Dihydrate	< 1 %	10102-40-6
Proprietary Inhibitors	< 1 %	Not applicable
Dye Not applicable	< 0.1 %	Not Applicable

## Section 4

## FIRST AID MEASURES

### EMERGENCY AND FIRST AID PROCEDURES:

#### EYE CONTACT:

Flush eyes with large amounts of water for 15 minutes. If irritation persists, get medical attention.

#### SKIN CONTACT:

Wash affected area thoroughly with soap and water. Remove contaminated clothing, rings, etc.

#### INGESTION:

DO NOT DELAY. Seek emergency medical attention immediately. Immediately call a POISON CENTER or doctor/physician. Rinse mouth. Do NOT induce vomiting. If vomiting occurs spontaneously, keep head below hips. If the person is fully conscious, make victim drink one or two glasses of water. Never give an unconscious person anything to drink.

#### INHALATION:

Remove to fresh air. If breathing has stopped, start artificial respiration. Seek medical attention.

#### NOTE TO PHYSICIANS:

Treat symptomatically

#### SPECIAL PRECAUTIONS/PROCEDURES:

None known

## Section 5

## FIRE-FIGHTING MEASURES

### UNUSUAL FIRE FIGHTING PROCEDURES:

None required; non-flammable product

### FLASH POINT:

None detected

### FLASH POINT METHOD:

Pensky Martens

### BURNING RATE:

Does not burn

### AUTOIGNITION TEMPERATURE:

Not available

### FLAMMABLE LIMITS IN AIR:

(% by volume):

LEL: Not applicable

UEL: Not applicable

### FLAMMABILITY CLASSIFICATION:

Not flammable

### EXTINGUISHING MEDIA:

Water, fog, foam, CO<sub>2</sub>, dry chemical

### UNUSUAL FIRE OR EXPLOSION HAZARDS:

Closed containers may rupture or explode due to steam pressure build-up when exposed to extreme heat. Water may be used to cool closed containers.

### FIRE-FIGHTING INSTRUCTIONS:

Do not release runoff from fire control methods to sewers or waterways.

**FIRE-FIGHTING EQUIPMENT:**

Because fire may produce toxic thermal decomposition products, wear a self contained breathing apparatus (SCBA) with a full facepiece operated in pressure-demand or positive-pressure mode.

**UNUSUAL FIRE FIGHTING PROCEDURES:**

Full protective equipment including self-contained breathing apparatus should be used when Additive Inc. Antifreeze Additive Solution is present during a fire. During emergency conditions, overexposure to decomposition products may cause a health hazard. Symptoms may not be immediately apparent. Seek medical attention

**Section 6 ACCIDENTAL RELEASE MEASURES**

**SPILL/LEAK PROCEDURES:**

Recover usable material by convenient method; residual may be removed by wipe or wet mop.

**SMALL SPILLS:**

Small spills should be absorbed with a suitable inert material (sand, earth, clay, etc.). Remove the absorbed material and place in an appropriate chemical waste container for disposal.

**LARGE SPILLS:**

For large spills, dike and pump into suitable containers. Clean up residual water.

**CONTAINMENT:**

For large spills, dike far ahead of liquid spill for later disposal.

**REGULATORY REQUIREMENTS:**

Follow applicable Federal, State and Local regulations.

**Section 7 HANDLING AND STORAGE**

**Handling Precautions**

Wear impermeable gloves and other protective clothing to avoid prolonged or repeated skin contact. When handling, wear eye protection.

**Storage Requirements:**

Keep containers tightly closed when not in use. Store only in containers that are resistant to alkaline solutions with a pH of 12-14.

**Section 8 EXPOSURE CONTROLS / PERSONAL PROTECTION**

**OCCUPATIONAL EXPOSURE LIMITS**

Material	Source	Type	mg/m3	Notes
Ethylene glycol 107-21-1	ACGIH	TLV	100 mg/m3	Aerosol Only
Ethylene glycol 107-21-1	OSHA	PEL	50 mg/m3	(vacated) Ceiling
Ethylene glycol 107-21-1	OSHA	PEL	125 mg/m3	(vacated) Ceiling

**ENGINEERING CONTROLS VENTILATION:**

Provide general or local exhaust ventilation systems.

**ADMINISTRATIVE CONTROLS RESPIRATORY PROTECTION:**

If personal exposure cannot be controlled below applicable exposure limits by ventilation, wear respiratory devices approved by NIOSH/MSHA, for protection against organic vapors, dust, fumes and mists.

**VENTILATION:**

Normal to maintain exposure below TLV

**PROTECTIVE CLOTHING /EQUIPMENT:**

Where skin contact may occur, chemical-impervious gloves should be worn. Use chemical goggles or full face shield when the danger of splashing exists. Rubber apron or similar protective clothing to prevent contact with skin or clothes.

**WORK AND HYGIENIC PRACTICES:**

Wash or rinse hands before touching eyes or contact lenses, and before eating.

**SAFETY STATIONS:**

Make emergency eyewash stations, safety/quick-drench showers, and washing facilities available in work area.

**CONTAMINATED EQUIPMENT:**

Separate contaminated work clothes from street clothes. Launder before reuse. Remove this material from your shoes and clean personal protective equipment.

**COMMENTS:**

Avoid contact with skin, eyes and clothing. Do not take internally. Clean up spills immediately. Never eat, drink, or smoke in work areas. Practice good personal hygiene after using this material, especially before eating, drinking, smoking, using the toilet, or applying cosmetics.

**Section 9****PHYSICAL AND CHEMICAL PROPERTIES**

<b>Appearance:</b>	Red
<b>Odor:</b>	Mild odor
<b>pH:</b>	8.8-10.0
<b>Freezing Point /Melting Point:</b>	-34 °F
<b>Boiling Point (760 mm Hg):</b>	325 °F
<b>Flash Point:</b>	244 °F (ethylene glycol)
<b>Specific Gravity (water =1):</b>	1.110-1.125
<b>Density :</b>	9.31
<b>Evaporation Rate:</b>	<1
<b>Flammability Classification:</b>	Not flammable
<b>Flammable Limits In Air: (% by volume):</b>	
<b>LEL:</b>	Not applicable
<b>UEL:</b>	Not applicable
<b>Vapor Pressure (at 20°C):</b>	18 mm Hg.
<b>Vapor Density (air =1):</b>	1.8
<b>Solubility in Water (% by wt):</b>	Soluble
<b>Auto-Ignition Temperature:</b>	Data not available
<b>Percent Volatile by Volume:</b>	Nil
<b>Viscosity SUS @ 100 °F :</b>	Less than 20 cSt

## Section 10

## STABILITY AND REACTIVITY

### **STABILITY:**

Stable

### **POLYMERIZATION:**

Will not occur

### **CHEMICAL INCOMPATIBILITIES:**

Strong oxidizing agents, strong acids

### **CONDITIONS TO AVOID:**

Strong oxidizing agents, strong acids.

### **HAZARDOUS DECOMPOSITION PRODUCTS:**

If involved in a fire the following decomposition products may be generated: Carbon dioxide, carbon monoxide, nitrogen oxides, hydrogen cyanide (possible in reducing atmospheres).

## Section 11

## TOXICOLOGICAL INFORMATION

### **EYE EFFECTS:**

Destructive to eye tissue on contact.

### **SKIN EFFECTS:**

Destructive to tissues contacted and produces severe burns. The severity of damage and extent of irreversibility increases with length of contact time.

### **ACUTE INHALATION EFFECTS:**

Airborne concentrations of mist or spray may cause damage to the upper respiratory tract and even to lung tissue. Vapor/fumes are not generated at significant levels until temperature is elevated.

### **ACUTE ORAL EFFECTS:**

Swallowing can cause severe burns and tissue perforation of mucous membranes of the mouth, throat, esophagus and stomach.

### **CHRONIC EFFECTS:**

None known

### **CARCINOGENICITY:**

Neither product nor its ingredients are listed by IARC, NTD or OSHA

### **MUTAGENICITY:**

Not mutagenic

### **TERATOGENICITY:**

Not Teratogenic

## Section 12

## ECOLOGICAL INFORMATION

### **ECOTOXICITY:**

Not determined

### **ENVIRONMENTAL FATE:**

Decomposes to carbon, oxygen, nitrogen, phosphate salts and water.

**ENVIRONMENTAL DEGRADATION:**

Biodegradable

**SOIL ABSORPTION/MOBILITY:**

Not determined

**Section 13**

**DISPOSAL CONSIDERATIONS**

**WASTE DISPOSAL METHOD:**

Sanitary landfill or incinerate in approved facilities in accordance with local, state and federal regulations.

**DISPOSAL REGULATORY REQUIREMENTS:**

Shipments of waste material may be classified as hazardous and subject to manifesting requirements through applicable regulatory agency.

**CONTAINER CLEANING AND DISPOSAL:**

Containers should be cleaned of residual product before disposal, and disposed of in accordance with all applicable laws and regulations.

**Section 14**

**TRANSPORT INFORMATION**

**DOT (Department of Transportation):**

UN3082, Environmentally hazardous sub-stances, liquid, n.o.s., (ETHYLENE GLYCOL), 9, III

**SPECIAL NOTES:**

Class 9, Packing Group III when material is shipped in quantities in one package at or above the Reportable Quantity and when no other hazard class applies; otherwise, not regulated.

**SYMBOL:**

G

**HAZARDOUS MATERIALS DESCRIPTIONS AND PROPER SHIPPING NAMES:**

Environmentally hazardous substances, liquid, n.o.s.

**HAZARD CLASS OR DIVISION:**

9

**IDENTIFICATION NUMBERS:**

UN3082

**PACKING GROUP:**

III

**LABEL CODE:**

9

**SPECIAL PROVISIONS (§ 172.102):**

8, 146, 173, 335, IB3, T4, TP1, TP29

**IATA (International Air Transport Association):**

Not regulated as a dangerous good

**IMDG-CODE:**

Not regulated as a dangerous good

**Section 15****REGULATORY INFORMATION****EPA Regulations**

RCRA Hazardous Waste Number and RCRA

Hazardous Waste Classification: Not applicable

CERCLA Hazardous Substance and CERCLA

Reportable Quantity: Not applicable

SARA Toxic Chemical  
and SARA EHS:

Reportable under SARA Title III (40 CFR, Part 370)

**OSHA Regulations:**

Must comply with OSHA standard 29 CFR 1910.1200 (employee right to know)

**Section 16****OTHER INFORMATION****Prepared By:**

Innovative Fluids, LLC

**Additional Hazard Rating Systems:**

None

**Disclaimer:**

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