

Road King Antifreeze Emerald HD Concentrate



SAFETY DATA SHEET

Section 1

PRODUCT AND COMPANY IDENTIFICATION

PRODUCT NAME:

Road King Emerald HD Concentrate

PRODUCT CODE:

9901EMER

RECOMMENDED USE:

Antifreeze

MANUFACTURER:

Superior Lubricants Co., Inc.
32 Ward Road
North Tonawanda, NY 14120
716-693-8412

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:

Emerald Liquid

ODOR:

Mild Odor

CLASSIFICATION(S):

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

SIGNAL WORD: WARNING!**SYMBOL(S):****HAZARD STATEMENT(S):****Hazard Rating**

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

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:

<u>Chemical Name</u>	<u>Amount</u>	<u>CAS Number</u>
Ethylene Glycol	> 95 %	107-21-1
Water	< 4 %	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, CO₂, 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**

Appearance:	Emerald
Odor:	Mild odor
pH:	8.8-10.0
Freezing Point /Melting Point:	-3°F
Boiling Point (760 mm Hg):	317°F
Flash Point:	244 °F (ethylene glycol)
Specific Gravity (water =1):	1.110-1.125
Density :	9.31
Evaporation Rate:	<1
Flammability Classification:	Not flammable
Flammable Limits In Air: (% by volume):	
LEL:	Not applicable
UEL:	Not applicable
Vapor Pressure (at 20°C):	18 mm Hg.
Vapor Density (air =1):	1.8
Solubility in Water (% by wt):	Soluble
Auto-Ignition Temperature:	Data not available
Percent Volatile by Volume:	Nil
Viscosity SUS @ 100 °F :	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:**

Superior Lubricants Co., Inc.

Additional Hazard Rating Systems:

None

Disclaimer:

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