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**Material Safety Data Sheet (MSDS)**

Sierra Antifreeze\* Coolant  
 =====  
 MATERIAL SAFETY DATA SHEET  
 Effective Date: 6-1-92 Revision Date: none  
 Sierra Antifreeze\* Coolant  
 Code: SBC Page: 1  
 =====  
 Section 1 - Product and Company Identification

PRODUCT NAME: Sierra Antifreeze\* Coolant

MANUFACTURER'S NAME:	EMERGENCY TELEPHONE NUMBER
Safe Brands Corporation	(402)341-9397
2849 River Road	
Council Bluffs, IA 51501	MISCELLANEOUS INFORMATION
(800)432-9306	

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 Section 2 - Hazardous Ingredients

COMPONENT NAME	%	CAS	PEL MIST	PEL VAPOR
Sodium Nitrate	<1	7631-99-4	None	Established
Sodium Silicate	<1	1334-09-8	None	Established

Non-Hazardous Ingrdients >1%

Propylene Glycol	94	57-55-6	None	Established
Water	3			
Proprietary Additives	3			

(Does not contain IARC, NTP, OSHA, and ACGIH listed carcinogens greater than 0.1%)

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 Section 3 - Hazards Identification

EYE CONTACT: May cause minor eye irritation.

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

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

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

CARCINOGENICITY: N/A

SIGNS AND SYMPTOMS OF OVEREXPOSURE: As above

MEDICAL CONDITIONS GENERALLY AGGRAVATED BY EXPOSURE: Material and/or its emissions may aggravate preexisting eye disease.

OTHER HEALTH INFORMATION: None

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Section 4 - First Aid Measures

EYE CONTACT: Immediately rinse with clean water for 20-30 minutes. Retract eyelids often. Obtain medical attention if pain, blinking, tears, or redness persists.

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

INHALATION: If overcome 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 lukewarm water if victim is completely conscious and alert. Do not induce vomiting because of corrosive effects. Obtain emergency medical attention.

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Section 5 - Firefighting Measures

Not available.

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Section 6 - Environmental 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. Minimize dispersion of any spills on water (product may sink or float and/or biodegrade). Notify appropriate authorities if product enters any waterway.

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Section 7 - Handling and Storage

PRECAUTIONS TO BE TAKEN IN HANDLING AND STORAGE: Store in tightly closed and properly vented containers, away from heat, sparks, open flame, and strong oxidizing agents.

OTHER PRECAUTIONS: Use Dry Nitrogen or low dew point air for tank padding.

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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.

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. Shower after work using plenty of soap and water. Promptly remove soiled clothing and wash thoroughly before reuse.

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Section 9 - Physical and Chemical Properties

BOILING POINT(deg F) : 365 Deg.

VAPOR PRESSURE(mm Hg) : <0.1

VAPOR DENSITY(Air=1) : 2.6

EVAPORATION RATE  
(n-butyl Acetate=1) : Slight

SPECIFIC GRAVITY(H2O=1): 1.04

MELTING POINT : -76 Deg.

SOLUBILITY IN WATER : Complete

APPERANCE AND ODOR : Colorless, Slightly viscous almost odorless liquid

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Section 10 - Stability and Reactivity

Not available.

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Section 11 - Toxicological Information

Not available.

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Section 12 - Ecological Information

Not available.

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Section 13 - Disposal Considerations

WASTE DISPOSAL METHOD: Contaminated product/soil/water may be RCRA/OSHA Hazardous waste due to potential combustibility. Landfill solids at permitted sites using registered transporters. Burn concentrated liquids, avoiding flameouts, and assuring emissions comply with applicable regulations. Dilute aqueous waste may biodegrade, but avoid overloading/ poisoning plant biomass and assuring effluent complies with applicable regulatons.

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Section 14 - Transport Information

Not available.

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Section 15 - Regulatory Information

Not available.

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Section 16 - Other Information

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