



# Safety Data Sheet

## SECTION I IDENTIFICATION

PRODUCT NAME:	<b>STARFIRE RV A/F W/ETHANOL -50</b>	Pg. 1/5
PRODUCT CODE:	Fluid 2130E      P/N: 4998 - 4998D	Version 4
CHEMICAL FAMILY:	Glycols	2/3/2017
		Meets GHS requirements
SUPPLIER NAME:	COOLANTS PLUS, INC.	
ADDRESS:	2570 VAN HOOK AVE. HAMILTON, OH. 45015	
PHONE:	(888)258-8723	
EMERGENCY PHONE	(866) 214-4235 (3E COMPANY)	

## SECTION II HAZARD IDENTIFICATION



### WARNING:

*Flammable liquid and vapor.*

**HAZARD STATEMENT:**

**ROUTES OF ENTRY:**

Skin, Eyes, Ingestion, Inhalation

**HAZARD STATEMENTS:**

<b>H227:</b>	Combustible Liquid
<b>H242:</b>	Heating May Cause a Fire
<b>H303:</b>	May be Harmful if Swallowed
<b>H313:</b>	May be Harmful in Contact with Skin
<b>H320:</b>	Causes Eye Irritation
<b>H333:</b>	May be Harmful if Inhaled

**PRECAUTIONARY STATEMENTS:**

<b>P102:</b>	Keep Out of Reach of Children
<b>P210:</b>	Keep Away From Heat/Sparks/Open Flames/Hot Surfaces - NO Smoking
<b>P211:</b>	Do Not Spray on an Open Flame or Other Ignition Source
<b>P233:</b>	Keep Container Tightly Closed
<b>P260:</b>	Do Not Breathe Vapours
<b>P262:</b>	Do Not Get in Eyes, on Skin, or on Clothing
<b>P264:</b>	Wash Thoroughly After Handling
<b>P270:</b>	Do Not Eat, Drink or Smoke When Using This Product
<b>P271:</b>	Use Only Outdoors or in a Well-Ventilated Area
<b>P273:</b>	Avoid Release to the Environment
<b>P281:</b>	Use Personal Protective Equipment as Required

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### SECTION II HAZARD IDENTIFICATION CONTINUED

<b>RESPONSE STATEMENTS:</b>	<b>P301+P310:</b> <b>P302+P352:</b> <b>P303+P361+P353:</b>  <b>P333+P313:</b> <b>P304+P341:</b>  <b>P305+P351+P338:</b>  <b>P337+P313:</b> <b>P370+P378:</b>	IF SWALLOWED: Immediately call a POISON CENTER or physician IF ON SKIN: Wash with soap and water IF ON SKIN (or hair): Remove/Take off immediately all contaminated clothing. Rinse skin with water/shower. If skin irritation or a rash occurs: Get medical attention. IF INHALED: If breathing is difficult, remove victim to fresh air and keep at rest in a position comfortable for breathing. IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses if present and easy to do - continue rinsing. If eye irritation persists get medical attention. In case of fire: Use Dry Chemical, Alcohol Faom, or Carbon Dioxide for extinction.
<b>STORAGE STATEMENTS:</b>	<b>P403+P233:</b> <b>P403+P235:</b>	Store in a well-ventilated place. Keep container tightly closed. Store in a well-ventilated Place. Keep Cool.
<b>DISPOSAL STATEMENTS:</b>	<b>P501:</b>	Dispose of contents/container in accordance with all applicable federal, state, and local regulations.
<b>CARCINOGENICITY:</b>		Not listed by OSHA, IARC, OR NTP

### SECTION III COMPOSITION / INFORMATION ON INGREDIENTS

CHEMICAL:	% by Wt	CAS #	OSHA PEL	ACGIH TLV
Ethanol	5 - 10	64-17-5	200 ppm TWA (Skin)	1000 ppm TWA

### SECTION IV FIRST AID MEASURES

<b>SKIN CONTACT:</b>	Remove contaminated clothing and wash before reuse. Wash under shower with soap and water for at least 15 minutes. Seek medical attention if irritation occurs.
<b>EYE CONTACT:</b>	Remove contact lenses, if worn. Flush immediately with gently running water for a minimum of 15 minutes lifting upper and lower eyelids occasionally. Seek medical attention.
<b>INHALATION:</b>	Remove to fresh air immediately. Restore or assist breathing if necessary. Obtain medical attention immediately. Symptoms of overexposure include giddiness, intoxication, CNS depression, or coma.
<b>INGESTION:</b>	Swallowing methanol is life threatening. Symptoms of methanol poisoning may be delayed up to 24 hours. DO NOT induce vomiting or wait for symptoms to develop. Seek medical attention immediately.

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### SECTION V FIRE FIGHTING MEASURES

**FLASH POINT:** N/AV

**EXTINGUISHING MEDIA:** Carbon Dioxide, alcohol resistant foam, dry chemical.

**SPECIAL PROCEDURES:** N/A

**UNUSUAL HAZARDS:** None known.

### SECTION VI ACCIDENTAL RELEASE MEASURES

**SPILL OR LEAK PROCEDURES:** Eliminate all ignition sources. Collect liquid with explosion proof pumps. Dilute with water for small spills, collect with a non-combustible solvent. Avoid release into the environment. Prevent from entering into soil, sewers, waterways and groundwater.

### SECTION VII HANDLING & STORAGE

**HANDLING:** Keep away from oxidizers, heat, sparks, open flames and electrical equipment. Use only with adequate ventilation and avoid breathing vapors. Do not get on skin or in eyes. Wear the appropriate personal protection equipment when using. Empty containers should be treated as full since residue will remain and is equally hazardous.

**STORAGE:** Store in a well-ventilated area away from heat, sparks, open flames and strong oxidizers. Do not store above 120°F and keep containers tightly sealed and stored upright to prevent leaks.

### SECTION VIII EXPOSURE CONTROLS - PERSONAL PROTECTION



**VENTILATION:** Use local exhaust.

**RESPIRATORY PROTECTION:** Not generally needed.

**GLOVES:** Rubber gloves are recommended for sensitive skin.

**EYE PROTECTION:** Safety glasses are recommended if possibility of eye contact.

**CLOTHING AND FOOTWEAR:** Not generally needed.

### SECTION IX PHYSICAL/CHEMICAL PROPERTIES

<b>BOILING POINT:</b>	> 200° F	<b>pH:</b>	7.0 - 8.0
<b>FREEZING POINT:</b>	N/AV	<b>SPECIFIC GRAVITY:</b>	0.988
<b>VAPOR PRESSURE:</b>	N/A	<b>PERCENT VOLATILE:</b>	96
<b>VAPOR DENSITY (AIR = 1):</b>	N/A	<b>APPEARANCE:</b>	Clear Red Liquid
<b>SOLUBILITY IN WATER:</b>	Complete	<b>ODOR:</b>	None
<b>EVAPORATION RATE:</b>	As water		
<b>(BUTYL ACETATE = 1)</b>			

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#### SECTION X STABILITY AND REACTIVITY DATA

**STABILITY:** Stable under normal conditions.

**HAZARDOUS POLYMERIZATION:** Will not occur.

**INCOMPATIBILITY:  
(CONDITIONS TO AVOID)** Heat, sparks, open flame and strong oxidizing agents.

**HAZARDOUS DECOMPOSITION:** Carbon monoxide.

#### SECTION XI TOXICOLOGICAL INFORMATION

*Product not tested as a whole, information drawn from analogy*

**Ethanol:** Acute Oral Toxicity (LD50): 3450 mg/kg [Mouse].  
Acute Toxicity of the Vapor (LC50): 39000 mg/m3 [Mouse].

#### SECTION XII ECOLOGICAL INFORMATION

*Product not tested as a whole, information drawn from analogy*

**Ethanol:**  Ecotoxicity in water (LC50): 14000mg/L, 96 hours [Rainbow Trout],  
11200 mg/L, 24 hours [Fingerling Trout].

#### SECTION XIII DISPOSAL CONSIDERATIONS

**WASTE DISPOSAL:** Wastes must be tested using methods described in 40 CFR Part 261 to determine if it meets applicable definitions of hazardous wastes

**GENERAL DISPOSAL CONSIDERATIONS:** Dispose in accordance with local, state, and federal laws.

#### SECTION XIV TRANSPORT INFORMATION

**PROPER SHIPPING NAME:** Not Regulated

**UN/NA NUMBER:**

**HAZARD CLASS:**

**PACKING GROUP:**

**REPORTABLE QUANTITY (RQ lbs):**

**EMERGENCY RESPONSE GUIDEBOOK:**

**PLACARD/LABELS REQUIRED:**

#### SECTION XV REGULATORY INFORMATION

**OSHA HAZARDOUS CHEMICAL:** none

**SARA 302 COMPONENTS:** none

**SARA 311/312:** Immediate (X) Delayed ( ) Fire (X) Reactive ( )

Sudden release of Pressure ( )

**SARA 313 COMPONENTS:** Ethanol CAS# 64-17-5

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**SECTION XVI OTHER INFORMATION**

**HMIS:** Health = 1, Flammability = 2, Reactivity = 0

**DISCLAIMER**

The information herein has been from sources believed to be accurate, reliable and up to date to the best of our knowledge. However, we cannot give any guarantees regarding information from other sources and do not make any warranties nor assume any liability from its use or misuse.

**End of SDS**