SAFETY DATA SHEET

SECTION 1: Identification of the substance/mixture and of the company/undertaking

1.1. Product identifier
Product Name: STARFIRE MERCON V ATF

1.2. Relevant identified uses of the substance or mixture and uses advised against
Recommended use: Automatic Transmission Fluid
Recommended restrictions: Not applicable

1.3. Details of the supplier of the safety data sheet
Supplier: Coolants Plus, Inc.
2570 Van Hook Ave.
Hamilton, OH. 45015
Information Phone: +01 888-258-8723 +01 (402) 341-9397

1.4. Emergency telephone number
Emergency phone number: CHEMTREC: +1 (800) 424-9300
International: +01 (703) 527-3887

SECTION 2: Hazards identification

2.1. Classification of the substance or mixture
Skin Sensitisation Category 1

2.2. Label elements
GHS Hazard Symbols

Signal Word
Warning

Hazard Statements
May cause an allergic skin reaction.

Precautionary Statements
Prevention
P261 - Avoid breathing dust/fume/gas/mist/vapors/spray.
P272 - Contaminated work clothing should not be allowed out of the workplace.
P280 - Wear protective gloves/protective clothing/eye protection/face protection.

Response
P302+P352 - IF ON SKIN: Wash with plenty of soap and water.
P321 - Specific treatment (see section 4).
P333+P313 - If skin irritation or rash occurs: Get medical advice/attention.
P363 - Wash contaminated clothing before reuse.

Disposal
P501- Dispose of contents/container in accordance with local/regional/national/international regulations.

2.3. Other hazards
Hazards not otherwise classified:
Avoid prolonged or repeated skin contact with used fluid.

Unknown acute toxicity (GHS-US)
Unknown Acute Toxicity (Gas): 16.41041 % of the mixture consists of ingredient(s) of unknown toxicity.
SAFETY DATA SHEET

SECTION 3: Composition/information on ingredients

<table>
<thead>
<tr>
<th>Chemical Name</th>
<th>%</th>
<th>CAS #</th>
<th>GHS Classification</th>
</tr>
</thead>
<tbody>
<tr>
<td>Lubricating oils (petroleum), C15-30, hydrotreated neutral oil-based</td>
<td>15 - 40</td>
<td>72623-86-0</td>
<td>Acute Tox. 4; H332</td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td>Acute Tox. 3; H331</td>
</tr>
</tbody>
</table>

Components not listed are not physical or health hazards as defined in 29 CFR 1910.1200 (Hazard Communication Standard).

SECTION 4: First aid measures

4.1. Description of first aid measures

- **Inhalation**: Remove to fresh air. If breathing is difficult, have a trained individual administer oxygen.
- **Eyes**: None expected to be needed, however, use an eye wash to remove a chemical from your eye regardless of the level of hazard.
- **Skin Contact**: Wash with soap and water. Get medical attention if irritation develops or persists. Seek medical advice if symptoms persist.
- **Ingestion**: Minimal risk of harm if swallowed. Do not induce vomiting. Seek medical attention immediately. Provide medical care provider with this SDS.

4.2. Most important symptoms and effects, both acute and delayed

Symptoms: Not determined

4.3. Indication of any immediate medical attention and special treatment needed

Note to Doctor: Aspiration during swallowing or vomiting may severely damage the lungs. If evacuation of stomach contents is necessary, use method least likely to cause aspiration.

SECTION 5: Firefighting measures

5.1. Extinguishing media

- **Suitable and Unsuitable Extinguishing Media**: Use alcohol resistant foam, carbon dioxide, or dry chemical when fighting fires. Water or foam may cause frothing if liquid is burning but it still may be a useful extinguishing agent if carefully applied to the surface of the fire. Do not direct a stream of water into the hot burning liquid.

5.2. Special hazards arising from the substance or mixture

- **Fire and/or Explosion Hazards**: Material may be ignited only if preheated to temperatures above the high flash point, for example in a fire.

5.3. Advice for firefighters

- **Fire Fighting Methods and Protection Hazardous Combustion Products**: Do not enter fire area without proper protection including self-contained breathing apparatus and full protective equipment. Use methods for the surrounding fire. Carbon dioxide, Carbon monoxide

SECTION 6: Accidental release measures

6.1. Personal precautions, protective equipment and emergency procedures

**General Measures**: No health affects expected from the clean up of this material if contact can be avoided. Follow personal protective equipment recommendations found in Section 8 of this SDS.

6.2. Environmental precautions

- **Do not flush to sewer.**
- **Avoid runoff into storm sewers and ditches that lead to waterways.**
- **Remove from water surface by skimming or with suitable absorbents. Do not use dispersants.**

6.3. Methods and material for containment and cleaning up

**Methods for cleaning up**: Prevent the spread of any spill to minimize harm to human health and the environment if safe to do so. Wear complete and proper personal protective equipment following the recommendation of Section 8 at a minimum. Dike with suitable absorbent material like granulated clay. Dispose of according to Federal, State, Local, or Provincial regulations. Used fluid should be disposed of at a recycling center.

6.4. Reference to other sections

Follow all protective equipment recommendations provided in Section 8.
SAFETY DATA SHEET

SECTION 7: Handling and storage

7.1. Precautions for safe handling
Mildly irritating material. Avoid unnecessary exposure.

7.2. Conditions for safe storage, including any incompatibilities
Store in a cool dry place. Isolate from incompatible materials.

Incompatible materials
See Section 10.

7.3. Specific end use(s)
Automatic Transmission Fluid

SECTION 8: Exposure controls/personal protection

8.1. Control parameters

<table>
<thead>
<tr>
<th>Chemical Name</th>
<th>Occupational Exposure Limits</th>
<th>Value</th>
</tr>
</thead>
<tbody>
<tr>
<td>Oil mist, mineral</td>
<td>OSHA PEL</td>
<td>5 mg/m3</td>
</tr>
<tr>
<td>Lubricating oils (petroleum), C15-30, hydrotreated neutral oil-based</td>
<td>OSHA PEL</td>
<td>5 mg/m3</td>
</tr>
<tr>
<td>Oil mist, mineral</td>
<td>ACGIH TLV-TWA</td>
<td>5 mg/m3</td>
</tr>
<tr>
<td>Lubricating oils (petroleum), C15-30, hydrotreated neutral oil-based</td>
<td>ACGIH TLV-TWA</td>
<td>5 mg/m3</td>
</tr>
<tr>
<td>Oil mist, mineral</td>
<td>ACGIH TLV-TWA</td>
<td>5 mg/m3</td>
</tr>
<tr>
<td>Oil mist, mineral</td>
<td>ACGIH STEL</td>
<td>10 mg/m3</td>
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<tr>
<td>Lubricating oils (petroleum), C15-30, hydrotreated neutral oil-based</td>
<td>ACGIH STEL</td>
<td>10 mg/m3</td>
</tr>
<tr>
<td>Oil mist, mineral</td>
<td>ACGIH STEL</td>
<td>10 mg/m3</td>
</tr>
</tbody>
</table>

None.

OSHA PEL-Skin Notation

8.2. Exposure controls

Engineering Measures
Use local exhaust ventilation or other engineering controls to minimize exposures and maintain operator comfort.

Respiratory Protection
Respiratory protection may be required to avoid overexposure when handling this product. General or local exhaust ventilation is the preferred means of protection. Use a respirator if general room ventilation is not available or sufficient to eliminate symptoms.

Respirator Type(s)
None required where adequate ventilation is provided. If airborne concentrations are above the applicable exposure limits, use NIOSH/MSHA approved respiratory protection.

Eye Protection
No special requirements under normal industrial use.

Skin Protection
Where use can result in skin contact, practice good personal hygiene and wear impervious gloves. Wash hands and other exposed areas with mild soap and water before eating, drinking, and when leaving work.

Gloves
Neoprene, Nitrile

SECTION 9: Physical and chemical properties

9.1. Information on basic physical and chemical properties

<table>
<thead>
<tr>
<th>Property</th>
<th>Value</th>
</tr>
</thead>
<tbody>
<tr>
<td>Physical State</td>
<td>Liquid</td>
</tr>
<tr>
<td>Color</td>
<td>Red</td>
</tr>
<tr>
<td>Odor</td>
<td>Mild</td>
</tr>
<tr>
<td>Odor threshold</td>
<td>Not determined</td>
</tr>
<tr>
<td>pH</td>
<td>Not determined</td>
</tr>
<tr>
<td>Freezing point</td>
<td>Not determined</td>
</tr>
<tr>
<td>Boiling Point</td>
<td>Not determined</td>
</tr>
<tr>
<td>Flash Point (°C)</td>
<td>199</td>
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<tr>
<td>Flash Point Method</td>
<td>COC</td>
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<tr>
<td>Evaporation Rate</td>
<td>Not determined</td>
</tr>
<tr>
<td>Upper Flammable/Explosive</td>
<td>= 10</td>
</tr>
</tbody>
</table>
SAFETY DATA SHEET

SECTION 9: Physical and chemical properties

9.1. Information on basic physical and chemical properties

Limit, % in air
Lower Flammable/Explosive Limit, % in air = 1

Flammability (solid, gas) Not applicable
Vapor pressure <0.20
Vapor Density Not determined
Relative Density 0.86
Solubility in Water Negligible; 0-1%
Octanol/Water Partition Coefficient Not determined
Autoignition Temperature Not determined
Decomposition Temperature Not determined
Viscosity(°C) 35.43

9.2. Other information
Volatiles, % by weight 0.000000

SECTION 10: Stability and reactivity

10.1. Reactivity No data available.
10.2. Chemical stability Stable under normal conditions.
10.3. Possibility of hazardous reactions Hazardous polymerization will not occur.
10.4. Conditions to avoid Temperatures above the high flash point of this combustible material in combination with sparks, open flames, or other sources of ignition. Moisture (will lead to product performance degradation).
10.5. Incompatible materials Strong oxidizing agents
10.6. Hazardous decomposition products Carbon dioxide, Carbon monoxide

SECTION 11: Toxicological information

11.1. Information on toxicological effects

Ingestion Toxicity Although this product has a low order of acute oral toxicity, aspiration of minute amounts into the lungs during ingestion or vomiting may cause mild to severe pulmonary injury and possibly death. Estimated to be 2.0 - 5.0 g/kg.

Skin Contact This material is likely to be slightly irritating to skin based on animal data. Can cause minor skin irritation, defatting, and dermatitis.

Absorption Likely to be practically non-toxic based on animal data.

Inhalation Toxicity No hazard in normal industrial use. Likely to be practically non-toxic based on animal data.

Eye Contact This material is estimated to be non-irritating eyes (Draize score <15 [rabbits]). No hazard in normal industrial use.

Sensitization Non-hazardous under Respiratory Sensitization category. No data available to indicate product or components may be a skin sensitizer.

Mutagenicity No data available to indicate product or any components present at greater than 0.1% is mutagenic or genotoxic.

Carcinogenicity Not expected to cause cancer. This product meets the IP-346 criteria of <3% PAH's and is not considered a carcinogen by the International Agency for Research on Cancer.

Reproductive and Developmental Toxicity No data available to indicate product or any components present at greater than 0.1% may cause birth defects.

Specific target organ toxicity-Single exposure Non-hazardous under Specific Target Organ Systemic Toxicity Single Exposure category.

Specific target organ toxicity-Repeated exposure Non-hazardous under Specific Target Organ Systemic Toxicity Repeated Exposure category.

Aspiration toxicity Non-hazardous under Aspiration category.

Other information No data available.
SAFETY DATA SHEET

Agents Classified by IARC Monographs
Not applicable  IARC Group 1
Not applicable  IARC Group 2A
Not applicable  IARC Group 2B

National Toxicity Program (NTP) Status
Not applicable  Known Human Carcinogen
Not applicable  Reasonably Anticipated To Be A Human Carcinogen

SECTION 12: Ecological information

12.1. Toxicity
Acute Aquatic ecotoxicity:  Non-hazardous under Aquatic Acute Environment category.
Chronic Aquatic ecotoxicity:  Non-hazardous under Aquatic Chronic Environment category.

12.2. Persistence and degradability
Biodegrades slowly.

12.3. Bioaccumulative potential
Bioconcentration may occur.

12.4. Mobility in soil
This material is expected to have essentially no mobility in soil. It absorbs strongly to most soil types.

12.5. Results of PBT and vPvB assessment
No data available.

12.6. Other adverse effects
Not determined

SECTION 13: Disposal considerations

13.1. Waste treatment methods
Disposal Methods
Dispose of according to Federal, State, Local, or Provincial regulations. Recycle used oil.

Waste Disposal Code(s)

Waste Description for Spent Product
Spent or discarded material is not expected to be a hazardous waste.

Contaminated packaging:
Recycle containers whenever possible.
Recycle containers whenever possible.
Recycle containers whenever possible.

SECTION 14: Transport information

DOT Basic  Not classified as hazardous for transport (DOT, TDG, IMO/IMDG, IATA/ICAO).

SECTION 15: Regulatory information

Chemical Inventories
TSCA Status  All components of this material are on the US TSCA Inventory or are exempt.
U.S. State Restrictions:  Not applicable
WHMIS:  Uncontrolled product according to WHMIS classification criteria

<table>
<thead>
<tr>
<th>Chemical Name</th>
<th>Regulation</th>
<th>CAS #</th>
<th>%</th>
</tr>
</thead>
<tbody>
<tr>
<td>None.</td>
<td>CERCLA</td>
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<tr>
<td>None.</td>
<td>SARA 313</td>
<td></td>
<td></td>
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<tr>
<td>None.</td>
<td>SARA EHS</td>
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<tr>
<td>None.</td>
<td>TSCA 12b</td>
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</table>

U.S. State Regulations

<table>
<thead>
<tr>
<th>Chemical Name</th>
<th>Regulation</th>
<th>CAS #</th>
<th>%</th>
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</thead>
<tbody>
<tr>
<td>None.</td>
<td>California Prop 65-</td>
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### SAFETY DATA SHEET

<table>
<thead>
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<th>Chemical Name</th>
<th>Regulation</th>
<th>CAS #</th>
<th>%</th>
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<tbody>
<tr>
<td>Sulfur dioxide</td>
<td>California Prop 65 - Dev. Toxicity</td>
<td>7446-09-5</td>
<td>0.001- 0.01</td>
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<tr>
<td>None.</td>
<td>California Prop 65- Reprod -fem</td>
<td></td>
<td></td>
</tr>
<tr>
<td>None.</td>
<td>California Prop 65- Reprod-male</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Mineral oil, petroleum distillates, hydrotreated light naphthenic</td>
<td>Massachusetts RTK List</td>
<td>64742-53-6</td>
<td>1 - 5</td>
</tr>
<tr>
<td>None.</td>
<td>New Jersey RTK List</td>
<td></td>
<td></td>
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<tr>
<td>None.</td>
<td>Pennsylvania RTK List</td>
<td></td>
<td></td>
</tr>
<tr>
<td>None.</td>
<td>Rhode Island RTK List</td>
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<td></td>
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<tr>
<td>None.</td>
<td>Minnesota Hazardous Substance List</td>
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### HMIS Ratings:

<table>
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<tr>
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<th>Health:</th>
<th>Fire:</th>
<th>Reactivity:</th>
<th>PPE:</th>
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<tbody>
<tr>
<td>Health</td>
<td>1</td>
<td>1</td>
<td>0</td>
<td>B</td>
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</table>

### NFPA Ratings:

<table>
<thead>
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<th></th>
<th>Health:</th>
<th>Fire:</th>
<th>Reactivity:</th>
</tr>
</thead>
<tbody>
<tr>
<td>Health</td>
<td>1</td>
<td>1</td>
<td>0</td>
</tr>
</tbody>
</table>

### KEY:

0 - Least, 1 - Slight, 2 - Moderate, 3 - High, 4 – Extreme

### SECTION 16: Other information

<table>
<thead>
<tr>
<th>Revision Date</th>
<th>12/16/2015 9:03:11 AM</th>
</tr>
</thead>
<tbody>
<tr>
<td>Supersedes:</td>
<td>12/14/2015 2:07:21 PM</td>
</tr>
<tr>
<td>References</td>
<td>ACGIH: American Conference of Governmental Industrial Hygienists</td>
</tr>
<tr>
<td></td>
<td>AIHA: American Industrial Hygiene Association</td>
</tr>
<tr>
<td></td>
<td>CFR: Code of Federal Regulations</td>
</tr>
<tr>
<td></td>
<td>DOT: United States Department of Transportation</td>
</tr>
<tr>
<td></td>
<td>GHS: Globally Harmonized System of Classification and Labeling of Chemicals</td>
</tr>
<tr>
<td></td>
<td>HMIS: Hazardous Materials Identification System</td>
</tr>
<tr>
<td></td>
<td>IARC: International Agency for Research on Cancer</td>
</tr>
<tr>
<td></td>
<td>IATA: International Air Transportation Association</td>
</tr>
<tr>
<td></td>
<td>IDLH: Immediately Dangerous to Life or Health</td>
</tr>
<tr>
<td></td>
<td>IMDG: International Maritime Dangerous Goods</td>
</tr>
<tr>
<td></td>
<td>NFPA: National Fire Protection Association</td>
</tr>
<tr>
<td></td>
<td>NIOSH: National Institute for Occupational Safety and Health</td>
</tr>
<tr>
<td></td>
<td>NTP: National Toxicology Program</td>
</tr>
<tr>
<td></td>
<td>OSHA: Occupational Safety and Health Administration</td>
</tr>
<tr>
<td></td>
<td>PEL: Permissible Exposure Limit</td>
</tr>
<tr>
<td></td>
<td>RTK: Right-to-Know</td>
</tr>
<tr>
<td></td>
<td>SARA: Superfund Amendments and Reauthorization Act</td>
</tr>
<tr>
<td></td>
<td>STEL: Short-term Exposure Limit</td>
</tr>
<tr>
<td></td>
<td>TLV: Threshold limit value</td>
</tr>
<tr>
<td></td>
<td>TSCA: Toxic Substances Control Act</td>
</tr>
<tr>
<td></td>
<td>TWA: Time weighted average</td>
</tr>
<tr>
<td></td>
<td>UN: United Nations</td>
</tr>
<tr>
<td></td>
<td>WHMIS: Workplace Hazardous Materials Information System</td>
</tr>
</tbody>
</table>

### Disclaimer

This safety data sheet and the information it contains is offered to you in good faith as accurate. We have reviewed any information contained in the data sheet which we have received from outside sources and we believe the information to be correct, but cannot guarantee its accuracy or completeness. Health and safety precautions in this data sheet may not be adequate for all individuals and/or situations. It is the user's obligation to evaluate and use this product in a safe manner and to comply with all applicable laws and regulations. No statement made in this data sheet shall be construed as permission
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