SAFETY DATA SHEET

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

1.1. Product identifier
Product Name: STARFIRE TYPE F 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

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
Not classified under GHS

2.2. Label elements

2.3. Other hazards
Hazards not otherwise classified: Avoid prolonged or repeated skin contact with used fluid.
Unknown acute toxicity (GHS-US)

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>Petroleum distillates, solvent-refined heavy paraffinic</td>
<td>1 - 5</td>
<td>64741-88-4</td>
<td></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: Use eye wash to remove a chemical from the eye. Flush the affected eye for at least fifteen minutes.
      Tilt the head to prevent chemical from transferring to the uncontaminated eye. Seek medical attention if irritation persists.
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:**

- Do not enter fire area without proper protection including self- contained breathing apparatus and full protective equipment. Use methods for the surrounding fire.

**Hazardous Combustion Products:**

- Carbon monoxide
- Smoke

**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.
- Avoid runoff into storm sewers and ditches that lead to waterways.

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. [EMSFORM_06GHS_CLEAN]

6.4. Reference to other sections

Follow all protective equipment recommendations provided in Section 8.

**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>Oil mist, mineral</td>
<td>OSHA PEL</td>
<td>5 mg/m³</td>
</tr>
<tr>
<td>Oil mist, mineral</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>Oil mist, mineral</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>
</tr>
<tr>
<td>Oil mist, mineral</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>
<tr>
<td>None.</td>
<td>IDLH</td>
<td></td>
</tr>
</tbody>
</table>
SAFETY DATA SHEET

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>None.</td>
<td>OSHA PEL-Skin Notation</td>
<td></td>
</tr>
</tbody>
</table>

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>Physical State</th>
<th>Liquid</th>
</tr>
</thead>
<tbody>
<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>207</td>
</tr>
<tr>
<td>Flash Point Method</td>
<td>COC</td>
</tr>
<tr>
<td>Evaporation Rate</td>
<td>Not determined</td>
</tr>
<tr>
<td>Upper Flammable/Explosive Limit, % in air</td>
<td>= 10</td>
</tr>
<tr>
<td>Lower Flammable/Explosive Limit, % in air</td>
<td>= 1</td>
</tr>
<tr>
<td>Flammability (solid, gas)</td>
<td>Not applicable</td>
</tr>
<tr>
<td>Vapor pressure</td>
<td>&lt;0.20</td>
</tr>
<tr>
<td>Vapor Density</td>
<td>Not determined</td>
</tr>
<tr>
<td>Relative Density</td>
<td>0.86</td>
</tr>
<tr>
<td>Solubility in Water</td>
<td>Insoluble</td>
</tr>
<tr>
<td>Octanol/Water Partition Coefficient</td>
<td>Not determined</td>
</tr>
<tr>
<td>Autoignition Temperature</td>
<td>Not determined</td>
</tr>
<tr>
<td>Decomposition Temperature</td>
<td>Not determined</td>
</tr>
<tr>
<td>Viscosity(°C)</td>
<td>38.11</td>
</tr>
</tbody>
</table>

9.2. Other information

Volatile organic compound (VOC) content and percentage of volatiles
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.
SAFETY DATA SHEET

SECTION 10: Stability and reactivity

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 monoxide, Smoke, Carbon monoxide, sulfur oxides, aldehydes, and other petroleum decomposition products in the case of incomplete combustion. Oxides of nitrogen, phosphorus, calcium, copper, magnesium, sodium, and hydrogen sulfide may also be present.

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 likely to be non-irritating to eyes based on animal data. 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.

Long-Term (Chronic) Health Effects
Aspiration toxicity
Non-hazardous under Aspiration category.

Other information
No data available.

Agents Classified by IARC Monographs

Benzene IARC Group 1
Not applicable IARC Group 2A
Naphthalene IARC Group 2B
ethylbenzene IARC Group 2B

National Toxicity Program (NTP) Status

Benzene Known Human Carcinogen
Naphthalene 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
### SAFETY DATA SHEET

#### SECTION 12: Ecological information

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 non-hazardous according to environmental regulations.

**Contaminated packaging:**

Recycle containers whenever possible.
Recycle containers whenever possible.
Recycle containers whenever possible.
Recycle containers whenever possible.
Recycle containers whenever possible.
Recycle containers whenever possible.
Recycle containers whenever possible.

#### SECTION 14: Transport information

**DOT**

<table>
<thead>
<tr>
<th>Proper Shipping Name</th>
<th>No data available.</th>
</tr>
</thead>
<tbody>
<tr>
<td>UN Number:</td>
<td>Not regulated for road transport</td>
</tr>
<tr>
<td>Hazard Class:</td>
<td>No data available.</td>
</tr>
<tr>
<td>Packing Group:</td>
<td>No data available.</td>
</tr>
</tbody>
</table>

**DOT Basic**

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

**IMDG**

<table>
<thead>
<tr>
<th>Proper Shipping Name</th>
<th>No data available.</th>
</tr>
</thead>
<tbody>
<tr>
<td>UN Number:</td>
<td>No data available.</td>
</tr>
<tr>
<td>Hazard Class:</td>
<td>No data available.</td>
</tr>
<tr>
<td>Packing Group:</td>
<td>No data available.</td>
</tr>
<tr>
<td>Marine Pollutant:</td>
<td>No data available.</td>
</tr>
</tbody>
</table>

**IATA**

<table>
<thead>
<tr>
<th>Proper Shipping Name</th>
<th>No data available.</th>
</tr>
</thead>
<tbody>
<tr>
<td>UN Number:</td>
<td>No data available.</td>
</tr>
<tr>
<td>Hazard Class:</td>
<td>No data available.</td>
</tr>
<tr>
<td>Packing Group:</td>
<td>No data available.</td>
</tr>
</tbody>
</table>

#### 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>
<td></td>
<td></td>
</tr>
<tr>
<td>None.</td>
<td>SARA 313</td>
<td></td>
<td></td>
</tr>
<tr>
<td>None.</td>
<td>SARA EHS</td>
<td></td>
<td></td>
</tr>
<tr>
<td>None.</td>
<td>TSCA 12b</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

**U.S. State Regulations**

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

<table>
<thead>
<tr>
<th>Chemical Name</th>
<th>Regulation</th>
<th>CAS #</th>
<th>%</th>
</tr>
</thead>
<tbody>
<tr>
<td>Toluene</td>
<td>California Prop 65- Dev.</td>
<td>108-88-3</td>
<td>0.001- 0.01</td>
</tr>
<tr>
<td></td>
<td>Toxicity</td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td>California Prop 65-</td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td>Reprod -fem</td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td>California Prop 65-</td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td>Reprod-male</td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td>None.</td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td>Massachusetts RTK List</td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td>None.</td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td>New Jersey RTK List</td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td>None.</td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td>Pennsylvania RTK List</td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td>None.</td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td>Rhode Island RTK List</td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td>None.</td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td>Minnesota Hazardous Substance List</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

**HMIS Ratings:**
- Health: 1
- Fire: 1
- Reactivity: 0
- PPE: B

**NFPA Ratings:**
- Health: 1
- Fire: 1
- Reactivity: 0

**KEY:**
- 0 - Least
- 1 - Slight
- 2 - Moderate
- 3 - High
- 4 – Extreme

**SECTION 16: Other information**

- **Revision Date:** 2/9/2016 8:00:42 AM
- **Supersedes:** 12/16/2015 10:08:15 AM
- **References:** No data available.
- **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 or recommendation for the use of any product in a manner that might infringe existing patents. No warranty is made, either expressed or implied.