

SAFETY DATA SHEET

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

1.1. Product identifier

Product Name: STARFIRE Synthetic Blend Motor Oils 5W20, 5W30, 10W30, 10W40

1.2. Relevant identified uses of the substance or mixture and uses advised against

Recommended use: Motor Oil
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 contact with used motor oil. Used motor oil has been shown to cause skin cancer in laboratory animals.

Unknown acute toxicity (GHS-US)

Unknown Acute Toxicity (Gas): 73.800029 % of the mixture consists of ingredient(s) of unknown toxicity.

SECTION 3: Composition/information on ingredients

| Chemical Name | % | CAS # | GHS Classification |
|---------------|---------|-------|-------------------------|
| 000NMS06 | 40 - 70 | | Aquatic Chronic 4; H413 |

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

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SECTION 4: First aid measures

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 effects 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.

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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. {EMIFORM_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)

Motor Oil

SECTION 8: Exposure controls/personal protection

8.1. Control parameters

Chemical Name

Oil mist, mineral

Occupational Exposure Limits

OSHA PEL

Value

5 mg/m3

Oil mist, mineral

OSHA PEL

5 mg/m3

Oil mist, mineral

ACGIH TLV-TWA

5 mg/m3

Oil mist, mineral

ACGIH TLV-TWA

5 mg/m3

Oil mist, mineral

ACGIH STEL

10 mg/m3

Oil mist, mineral

ACGIH STEL

10 mg/m3

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SECTION 8: Exposure controls/personal protection

8.1. Control parameters

| Chemical Name | Occupational Exposure Limits | Value |
|---------------|------------------------------|-------|
| None. | IDLH | |
| 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

| | |
|--|------------------|
| Physical State | Liquid |
| Color | Beige |
| Odor | Mild |
| Odor threshold | Not determined |
| pH | Not determined |
| Freezing point | Not determined |
| Boiling Point | Not determined |
| Flash Point (°C) | 232 |
| Flash Point Method | COC |
| Evaporation Rate | Not determined |
| Upper Flammable/Explosive Limit, % in air | Not established |
| Lower Flammable/Explosive Limit, % in air | Not established |
| 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) | 61.78 |

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 | Hazardous polymerization will not occur. |

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SECTION 10: Stability and reactivity

reactions

| | |
|---|--|
| 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 |

SECTION 11: Toxicological information

11.1. Information on toxicological effects

| | |
|---|--|
| Ingestion Toxicity | No hazard in normal industrial use. Estimated to be > 5.0 g/kg. |
| Skin Contact | This material is estimated to be slightly irritating (Primary Irritation Index is 0.5 - 3.0 [rabbits]). 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. |
| Long-Term (Chronic) Health Effects | No data available. |
| Aspiration toxicity | Non-hazardous under Aspiration category. |
| Other information | No data available. |

Agents Classified by IARC Monographs

| | |
|----------------|---------------|
| Cadmium | IARC Group 1 |
| Not applicable | IARC Group 2A |
| Not applicable | IARC Group 2B |

National Toxicity Program (NTP) Status

| | |
|----------------|---|
| Cadmium | 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.

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SECTION 12: Ecological information

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.

SECTION 14: Transport information

| | | |
|------------------------------|--|----------------------------------|
| DOT | Proper Shipping Name: | No data available. |
| | UN Number: | Not regulated for road transport |
| | Hazard Class: | No data available. |
| | Packing Group: | No data available. |
| DOT Basic Description | Not classified as hazardous for transport (DOT, TDG, IMO/IMDG, IATA/ICAO). | |
| IMDG | Proper Shipping Name: | No data available. |
| | UN Number: | No data available. |
| | Hazard Class: | No data available. |
| | Packing Group: | No data available. |
| | Marine Pollutant: | No data available. |
| IATA | Proper Shipping Name: | No data available. |
| | UN Number: | No data available. |
| | Hazard Class: | No data available. |
| | Packing Group: | No data available. |

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.

| Chemical Name | Regulation | CAS # | % |
|----------------------|-------------------|--------------|----------|
| None. | CERCLA | | |
| None. | SARA 313 | | |
| None. | SARA EHS | | |
| None. | TSCA 12b | | |

U.S. State Regulations

| Chemical Name | Regulation | CAS # | % |
|----------------------|--------------------------------------|--------------|----------|
| None. | California Prop 65- Cancer | | |
| None. | California Prop 65- Dev. Toxicity | | |
| None. | California Prop 65- Reprod -fem | | |
| None. | California Prop 65- Reprod-male | | |

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| Chemical Name | Regulation | CAS # | % |
|---------------|------------------------------------|-------|---|
| None. | Massachusetts RTK List | | |
| None. | New Jersey RTK List | | |
| None. | Pennsylvania RTK List | | |
| None. | Rhode Island RTK List | | |
| None. | Minnesota Hazardous Substance List | | |

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

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References No data available.

Disclaimer

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