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Material Safety Data Sheet for Fuelade Fuel Additive

Section 1: Company Identification and Product Information

Company Identification

Fuelade Technologies, LLC
2200 South Plaza Drive
P.O. Box 705
Rapid City, SD 57709
Emergency Telephone Number: (605) 390-5314
Telephone Number for Information: (605) 718-3508

Product Information

Product Name: Fuelade
Product Code: HS Code 3815.19.0000
Product Use: Fuel Catalyst
Product Formula: Not applicable to mixtures
Chemical Analysis: Proprietary formula

Health - 1
Flammability - 1
Reactivity - 0
Pers. Protection - a

Section 2: Composition and Ingredient Information

The chemical identity of some of the components contained in this product may be trade secret, proprietary, and/or confidential business information (CBI) and may therefore be withheld according to 29CFR1910.1200 (i). Any components not listed are either non-hazardous or present in amounts below reportable limits.

Composition

Component	CAS Number	% by Weight	Toxicological Data
Proprietary	CBI	< 1	N/A
Proprietary	CBI	< 1	N/A
Vegetable Oil	8001-22-7	> 98	N/A

Section 3: Hazards Identification

- **Chemical Hazard:** This product is not classed as hazardous and contains no chemicals subject to SARA 303 or 313 reporting.
- **Exposure Limits:** None established for this product.
- **Toxicity Data:** This product has not been specifically tested.
- **Potential Chronic Health Effects:** Repeated or prolonged exposure is not known to aggravate medical condition.



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Section 4: First Aid Measures

- **Skin Contact:** Remove contaminated clothing. Wash with soap and water. If irritation occurs, seek medical attention.
- **Eye Contact:** Rinse eyes with plenty of water for at least 15 minutes. Irritation may occur with exposure to concentrated vapors or contact with product. Get medical attention if irritation occurs.
- **Inhalation:** Remove to fresh air. This material is a negligible hazard due to its low volatility. If vapor is present in high concentrations, irritation to upper respiratory tract may occur. If not breathing, give artificial respiration and seek medical attention immediately.
- **Ingestion:** Low order of toxicity. No hazard by this route in normal use. Ingestion of large amounts may be irritating to gastrointestinal tract. If swallowed, contact a physician. ONLY induce vomiting at the instruction of a physician.

Section 5: Fire Fighting Measures

- **Flammability of Product:** May be combustible at high temperature.
- **Flash Point (F):** >500°F
- **Autoignition Temperature (F):** >500°F / 260°C
- **Extinguishing Media:** Foam, dry chemical, carbon dioxide, sand/earth
- **Unsuitable Extinguishing Media:** water (do not use water)
- **Special Fire Fighting Procedures:** None
- **Unusual Fire:** None expected.
- **Explosion Hazard:** None

Section 6: Accidental Release Measures

- **Small Spill:** Absorb with an inert material and put the spilled material in an appropriate waste disposal.
- **Large Spill:** Absorb with an inert material and put the spilled material in an appropriate waste disposal. Finish cleaning by spreading water on the contaminated surface and allow to evacuate through the sanitary system.

Section 7: Handling and Storage

- **Precautions:** Keep away from heat. Keep away from source of ignition. Empty containers pose a fire risk, evaporate the residue under a fume hood. Ground all equipment containing the material. Do not breathe gas/fumes/vapor/spray.
- **Storage:** Keep container tightly closed. Keep in a cool, well ventilated area. Store away from extreme heat and away from strong oxidizing agents. Do not store above 75°F / 24°C.

Section 8: Exposure Controls

- **Engineering Controls:** Stable under recommended storage conditions. Reacts slowly with air or oxygen. Heating increases oxidation potential. Can react with strong oxidizers, inorganic acids, and halogens.
- **Personal Protection:** Safety glasses. Wear solvent resistant rubber or plastic gloves, coveralls, apron and boots as necessary to minimize contact.



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Section 9: Physical and Chemical Properties

- **Physical Appearance:** Liquid (Oily Liquid).
- **Odor:** Characteristic of vegetable oil.
- **Color:** Green or Amber
- **Boiling Point:** Not applicable.
- **Melting Point:** Not applicable.
- **Pour Point:** Not applicable.

Section 10: Stability and Reactivity

- **Stability:** Stable under recommended storage conditions. Reacts slowly with air or oxygen. Heating increases oxidation potential.
- **Reactivity:** Can react with strong oxidizers, inorganic acids, and halogens.

Section 11: Toxicological Information

- **Skin Contact:** Prolonged contact may cause irritation.
- **Eye Contact:** Prolonged contact may cause irritation.
- **Ingestion:** Swallowing this material is not likely to be harmful.
- **Toxicity to Animals:** This product consists of natural products for which no health data exists.
- **PAN Bad Actor Chemical:** Not listed.
- **Acute Toxicity:** Slight
- **Carcinogenic Effects:** Not applicable.
- **Mutagenic Effects:** Not applicable.

Section 12: Ecological Information

- **Ecotoxicity:** Not applicable.
- **BOD5 and COD:** Not applicable.
- **Products of Biodegradation:** Hazardous short term degradation products are not likely. However, long term degradation products may arise.
- **Toxicity of the Products of Biodegradation:** The products of degradation are more toxic.
- **Special Remarks on the Products of Biodegradation:** Not available.

Section 13: Waste Disposal

- **Waste Disposal:** Waste must be disposed of in accordance with federal, state and local environmental control regulations.

Section 14: Transport Information

- **DOT Classification:** Not a DOT controlled material (United States).
- **Identification:** Not applicable.
- **Special Provisions for Transport:** Not applicable.

Section 15: Other Regulatory Information

- **Federal and State Regulations:** Not applicable.
- **WHMIS (Canada):** Not controlled under WHMIS (Canada)
- **DSCL (EEC):** This product is not classified according to the EU regulations.



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- **HMIS (USA):**
 - Health Hazard: 1
 - Fire Hazard: 1
 - Reactivity: 0
 - Personal Protection: a
- **National Fire Protection Association:**
 - Health: 1
 - Flammability: 1
 - Reactivity: 0
 - Specific Hazard:
 - Hazardous short term degradation products are not likely. However, long term degradation products may arise.

Section 16: Other Information

- **References:** Not applicable.
- **Other Special Considerations:** Not applicable.
- **Created:** 12-23-2008
- **Last Updated:** 08-11-2012