

# Safety Data Sheet

acc. to OSHA HCS (29CFR 1910.1200) and WHMIS 2015 regulations



Printing date: August 10, 2018

Revision: August 10, 2018

## 1 Identification

- **Product identifier**
- **Trade name:** **First Street Ethanol Green**
- **Product code:** 63052 (F617), 63058 (F637), 62606 (F104)
- **Recommended use and restriction on use**
- **Recommended use:** Gelled Alcohol Food Warming Fuel
- **Restrictions on use:** No relevant information available.
- **Details of the supplier of the Safety Data Sheet**
- **Manufacturer/Supplier:**  
Fancyheat Corporation  
40 Veronica Avenue  
Somerset, NJ 08873 USA  
1-973-589-1450
- **Emergency telephone number:**  
CHEMTREC  
1-800-424-9300 (US/Canada)  
+01 703-527-3887 (International)

## 2 Hazard(s) identification

- **Classification of the substance or mixture**  
Flam. Sol. 1 H228 Flammable solid.  
Eye Irrit. 2A H319 Causes serious eye irritation.
- **Label elements**
- **GHS label elements**  
The product is classified and labeled according to the Globally Harmonized System (GHS).
- **Hazard pictograms:**  
  
GHS02 GHS07
- **Signal word:** Danger
- **Hazard statements:**  
H228 Flammable solid.  
H319 Causes serious eye irritation.
- **Precautionary statements:**  
P210 Keep away from heat/sparks/open flames/hot surfaces. No smoking.  
P240 Ground/bond container and receiving equipment.  
P241 Use explosion-proof electrical/ventilating/lighting/equipment.  
P264 Wash thoroughly after handling.  
P280 Wear protective gloves and eye protection.  
P305+P351+P338 IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.  
P337+P313 If eye irritation persists: Get medical advice/attention.  
P370+P378 In case of fire: Use foam, powder, or carbon dioxide for extinction.

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|                                                   |                                                                                            |
|---------------------------------------------------|--------------------------------------------------------------------------------------------|
| · <b>Flash point:</b>                             | 25.5°C (78 °F)                                                                             |
| · <b>Flammability (solid, gaseous):</b>           | Flammable solid.                                                                           |
| · <b>Auto-ignition temperature:</b>               | Not determined.                                                                            |
| · <b>Decomposition temperature:</b>               | Not determined.                                                                            |
| · <b>Danger of explosion:</b>                     | Product is not explosive. However, formation of explosive air/vapor mixtures are possible. |
| · <b>Explosion limits</b>                         |                                                                                            |
| <b>Lower:</b>                                     | 3.9 Vol %                                                                                  |
| <b>Upper:</b>                                     | 19.6 Vol %                                                                                 |
| · <b>Oxidizing properties:</b>                    | Non-oxidizing.                                                                             |
| · <b>Vapor pressure at 20°C (68 °F):</b>          | 49 mmHg                                                                                    |
| · <b>Density:</b>                                 |                                                                                            |
| <b>Relative density:</b>                          | 0.802                                                                                      |
| <b>Vapor density:</b>                             | Not applicable.                                                                            |
| <b>Evaporation rate:</b>                          | Not applicable.                                                                            |
| · <b>Solubility in / Miscibility with Water:</b>  | Soluble.                                                                                   |
| · <b>Partition coefficient (n-octanol/water):</b> | Not determined.                                                                            |
| · <b>Viscosity</b>                                |                                                                                            |
| <b>Dynamic:</b>                                   | Not applicable.                                                                            |
| <b>Kinematic:</b>                                 | Not applicable.                                                                            |
| · <b>Other information</b>                        | No relevant information available.                                                         |

### 10 Stability and reactivity

- **Reactivity:** No relevant information available.
- **Chemical stability:** Stable under normal temperatures and pressures.
- **Thermal decomposition / conditions to be avoided:**  
No decomposition if used and stored according to specifications.
- **Possibility of hazardous reactions**  
Flammable.  
Reacts with strong oxidizing agents.  
Used empty containers may contain product gases which form explosive mixtures with air.
- **Conditions to avoid** Excessive heat.
- **Incompatible materials** Oxidizers
- **Hazardous decomposition products** Carbon monoxide and carbon dioxide

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### 11 Toxicological information

**Information on toxicological effects****Acute toxicity:****LD/LC50 values that are relevant for classification:****64-17-5 ethanol**

|            |         |                  |
|------------|---------|------------------|
| Oral       | LD50    | 7060 mg/kg (rat) |
| Inhalative | LC50/4h | 20000 mg/l (rat) |

**Primary irritant effect:**

- On the skin: Based on available data, the classification criteria are not met.

- On the eye: Irritating effect.

- Sensitization: Based on available data, the classification criteria are not met.

**IARC (International Agency for Research on Cancer):**

64-17-5 ethanol

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**NTP (National Toxicology Program):**

None of the ingredients are listed.

**OSHA-Ca (Occupational Safety & Health Administration):**

None of the ingredients are listed.

**Probable route(s) of exposure:**

Ingestion.

Inhalation.

Eye contact.

Skin contact.

- Germ cell mutagenicity: Based on available data, the classification criteria are not met.

- Carcinogenicity: Based on available data, the classification criteria are not met.

- Reproductive toxicity: Based on available data, the classification criteria are not met.

- STOT-single exposure: Based on available data, the classification criteria are not met.

- STOT-repeated exposure: Based on available data, the classification criteria are not met.

- Aspiration hazard: Based on available data, the classification criteria are not met.

### 12 Ecological information

**Toxicity**

- Aquatic toxicity No relevant information available.

- Persistence and degradability Biodegradable.

- Bioaccumulative potential: Does not accumulate in organisms

- Mobility in soil: No relevant information available.

**Results of PBT and vPvB assessment**

- PBT: Not applicable.

- vPvB: Not applicable.

- Other adverse effects No relevant information available.

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### 13 Disposal considerations

· **Waste treatment methods**

· **Recommendation:**

Smaller quantities can be disposed of with household waste.

The user of this material has the responsibility to dispose of unused material, residues and containers in compliance with all relevant local, state and federal laws and regulations regarding treatment, storage and disposal for hazardous and nonhazardous wastes.

· **Uncleaned packagings**

· **Recommendation:** Disposal must be made according to official regulations.

· **Recommended cleansing agent:** Water, if necessary with cleansing agents.

### 14 Transport information

· **UN-Number**

· **DOT, ADR, IMDG, IATA** UN1325

· **UN proper shipping name**

· **DOT** Flammable solids, organic, n.o.s. (Ethanol)  
 · **ADR, IMDG** FLAMMABLE SOLID, ORGANIC, N.O.S. (ETHANOL)  
 · **IATA** Flammable solid, organic, n.o.s. (Ethanol)

· **Transport hazard class(es)**

· **DOT**



· **Class** 4.1 Flammable solids, self-reactive substances and solid desensitised explosives  
 · **Label** 4.1

· **ADR**



· **Class** 4.1 (F1) Flammable solids, self-reactive substances and solid desensitised explosives  
 · **Label** 4.1

· **IMDG, IATA**



· **Class** 4.1 Flammable solids, self-reactive substances and solid desensitised explosives

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|                                                                                                     |                                                                                                            |
|-----------------------------------------------------------------------------------------------------|------------------------------------------------------------------------------------------------------------|
| · <b>Label</b>                                                                                      | 4.1                                                                                                        |
| · <b>Packing group</b><br>· DOT, ADR, IMDG, IATA                                                    | II                                                                                                         |
| · <b>Environmental hazards</b><br>· <b>Marine pollutant:</b>                                        | No                                                                                                         |
| · <b>Special precautions for user</b><br><br>· <b>Danger code (Kemler):</b><br>· <b>EMS Number:</b> | Warning: Flammable solids, self-reactive substances and solid desensitised explosives<br><br>40<br>F-A,S-G |

· **Transport in bulk according to Annex II of MARPOL73/78 and the IBC Code**      Not applicable.

· **Transport/Additional information:**

· **DOT**



Limited Quantity for packages less than 30 kg gross and inner packagings less than 1 kg.

· **ADR**



Limited Quantity for packages less than 30 kg gross and inner packagings less than 1 kg.

· **IMDG**



Limited Quantity for packages less than 30 kg gross and inner packagings less than 1 kg.

· **IATA**



Limited Quantity for packages less than 30 kg gross and inner packagings less than 0.5 kg each / 5 kg net.

### 15 Regulatory information

- **Safety, health and environmental regulations/legislation specific for the substance or mixture**
- **United States (USA)**
- **SARA**

· **Section 302 (extremely hazardous substances):**

None of the ingredients are listed.

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**· Section 355 (extremely hazardous substances):**

None of the ingredients are listed.

**· Section 313 (Specific toxic chemical listings):**

None of the ingredients are listed.

**· TSCA (Toxic Substances Control Act)**

All ingredients are listed.

**· Proposition 65 (California)****· Chemicals known to cause cancer:**

Ethanol - listing refers specifically to alcoholic beverage consumption and is not applicable for product.

64-17-5 | ethanol

**· Chemicals known to cause reproductive toxicity for females:**

None of the ingredients are listed.

**· Chemicals known to cause reproductive toxicity for males:**

None of the ingredients are listed.

**· Chemicals known to cause developmental toxicity:**

Ethanol - listing refers specifically to alcoholic beverage consumption and is not applicable for product.

64-17-5 | ethanol

**· Carcinogenic categories****· EPA (Environmental Protection Agency):**

None of the ingredients are listed.

**· IARC (International Agency for Research on Cancer):**

64-17-5 | ethanol

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**· NIOSH-Ca (National Institute for Occupational Safety and Health):**

None of the ingredients are listed.

**· Canadian Domestic Substances List (DSL):**

All ingredients are listed.

**16 Other information**

This information is based on our present knowledge. However, this shall not constitute a guarantee for any specific product features and shall not establish a legally valid contractual relationship.

· **Date of preparation / last revision** August 10, 2018 / -

**· Abbreviations and acronyms:**

LDLo: Lowest Lethal Dose Observed

ADR: European Agreement concerning the International Carriage of Dangerous Goods by Road

IMDG: International Maritime Code for Dangerous Goods

DOT: US Department of Transportation

IATA: International Air Transport Association

CAS: Chemical Abstracts Service (division of the American Chemical Society)

LC50: Lethal concentration, 50 percent

LD50: Lethal dose, 50 percent

PBT: Persistent, Bio-accumulable, Toxique

vPvB: very Persistent and very Bioaccumulative

NIOSH: National Institute for Occupational Safety and Health

OSHA: Occupational Safety &amp; Health Administration

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Flam. Liq. 2: Flammable liquids – Category 2  
Flam. Sol. 1: Flammable solids – Category 1  
Eye Irrit. 2A: Serious eye damage/eye irritation – Category 2A

**Sources**

Website, European Chemicals Agency ([echa.europa.eu](http://echa.europa.eu))

Website, US EPA Substance Registry Services ([ofmpub.epa.gov/sorinternet/registry/substreg/home/overview/home.do](http://ofmpub.epa.gov/sorinternet/registry/substreg/home/overview/home.do))

Website, Chemical Abstracts Registry, American Chemical Society ([www.cas.org](http://www.cas.org))

Patty's Industrial Hygiene, 6th ed., Rose, Vernon, ed. ISBN: 978-0-470-07488-6

Casarett and Doull's Toxicology: The Basic Science of Poisons, 8th Ed., Klaasen, Curtis D., ed., ISBN: 978-0-07-176923-5.

Safety Data Sheets, Individual Manufacturers

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