1. Product and Company Identification

1.1 Product identifiers

Product Name: EZ Grip Friction Drops© Aircraft Grade
Producer: Holt International, LLC
Product Number: Not available.
CAS-No.: Not available.

1.2 Identified uses of the product and uses advised against

Identified Uses: Functional working fluid (aircraft grade).

1.3 Details of the chemical supplier

Company: Holt International, Llc
19800 Veterans Blvd, B-1
Blg. 1
Port Charlotte, Fl. 33954
USA
Telephone: +1 586-907-1592
Fax: +1 941-505-2689

1.4 Emergency telephone number

+1 800-650-6456

2. Hazards Identification

2.1 Classification of the substance or mixture according to GHS

GHS class Not a hazardous substance or mixture

Classification according to Regulation (EC) No 1272/2008

1272/2008 class Based on present data no classification and labelling is required according to Directive 1272/2008/EC and its amendments (CLP Regulation, GHS)

Classification according to Directive 67/548/EEC or Directive 1999/45/EC

67/548/EEC class According to present data no classification and labelling is required according to Directives 67/548/EEC

1999/45/EC class According to present data no classification and labelling is required according to Directives 1999/45/EC

Information concerning particular hazards for human and environment

No particular hazards for human and environment.

Classification system

The classification is according to the latest editions and extended by company and literature data.

2.2 GHS Label elements, including precautionary statements

GHS pictograms None
Signal word None
Hazard statements None
Precautionary statements None

Labelling according to Regulation (EC) No 1272/2008

The product is classified and labelled according to the CLP regulation.
NFPA ratings (scale 0 – 4)

HMIS ratings (scale 0 – 4)

2.3 Hazards not otherwise classified (HNOC) or not covered by GHS

Complete toxicity data are not available for this specific formulation.
Potential route of overexposure to this product may include eye and skin contact, and inhalation of excessive amounts of dust or heat-released vapors. Ingestion is not expected to be a significant route of exposure for this product under normal use conditions.

3. Composition/Information on Ingredients

3.1 Product mixture

<table>
<thead>
<tr>
<th>Ingredients</th>
<th>CAS-No.</th>
<th>EC-No.</th>
<th>Classification</th>
<th>Concentration</th>
</tr>
</thead>
<tbody>
<tr>
<td>Aluminum oxide</td>
<td>1344-28-1</td>
<td>215-691-6</td>
<td>Not hazardous</td>
<td>49-50 %</td>
</tr>
<tr>
<td>Propylene glycol</td>
<td>57-55-6</td>
<td>200-338-0</td>
<td>Not hazardous</td>
<td>40-41 %</td>
</tr>
<tr>
<td>Water</td>
<td>7732-18-5</td>
<td>231-791-2</td>
<td>Not hazardous</td>
<td>7-8 %</td>
</tr>
<tr>
<td>Poly(propylene glycol)</td>
<td>25322-69-4</td>
<td>500-039-8</td>
<td>Not hazardous</td>
<td>2-3 %</td>
</tr>
<tr>
<td>Sodium benzoate</td>
<td>532-32-1</td>
<td>208-534-8</td>
<td>Eye irrit. 2A; H319</td>
<td>0-1.5 %</td>
</tr>
</tbody>
</table>

4. First Aid Measures

4.1 Description of first aid measures

General advice
Consult a physician. Show this safety data sheet to the doctor in attendance.

Skin exposure
Wash off with soap and water. Consult a physician.

Eye exposure
Rinse thoroughly with plenty of water for at least 15 minutes and consult a physician.

Inhalation
If breathed in, move person into fresh air. If not breathing, give artificial respiration. Consult a physician.

Ingestion
Never give anything by mouth to an unconscious person. Rinse mouth with water and consult a physician.

4.2 Most important symptoms and effects, both acute and delayed
The most important known symptoms and effects are described in the labelling (see section 2.2) and in section 11.

4.3 Indication of any immediate medical attention and special treatment needed
No data available.

5. Fire Fighting Measures

5.1 Suitable (and unsuitable) extinguishing media
Use water spray, alcohol-resistant foam, dry chemical or carbon dioxide.
5.2 Specific hazards arising from the chemical
No data available.

5.3 Advice for firefighters
Wear self-contained breathing apparatus for firefighting if necessary.

6. Accidental Release Measures

6.1 Personal precautions, protective equipment, and emergency procedures
Use personal protective equipment. Avoid breathing vapors, mist or gas. Ensure adequate ventilation. For personal protection see section 8.

6.2 Environmental precautions
Do not let product enter drains.

6.3 Methods and materials for containment and cleaning up
Soak up with inert absorbent material and dispose of as hazardous waste. Keep in suitable, closed containers for disposal.

6.4 References to other sections
For disposal see section 13.

7. Handling and Storage

7.1 General hygiene considerations
Avoid contact with skin and eyes. Avoid inhalation of vapor or mist. For precautions see section 2.2.

7.2 Precautions for safe handling
Keep container tightly closed in a dry and well-ventilated place.

7.3 Conditions for safe storage, including any incompatibilities
Apart from the uses mentioned in section 1.2 no other specific uses are stipulated.

8. Exposure Controls/Personal Protection

8.1 Control and exposure limits recommended by the chemical manufacturer

<table>
<thead>
<tr>
<th>Component</th>
<th>CAS-No.</th>
<th>Value</th>
<th>Control Params.</th>
<th>Basis</th>
</tr>
</thead>
<tbody>
<tr>
<td>Propylene glycol</td>
<td>57-55-6</td>
<td>TWA</td>
<td>10 mg/m³</td>
<td>USA WEEL</td>
</tr>
<tr>
<td></td>
<td></td>
<td>TWA</td>
<td>10 mg/m³</td>
<td>EH40 (UK) WELs</td>
</tr>
<tr>
<td>Aluminum oxide</td>
<td>1344-28-1</td>
<td>TWA</td>
<td>15 mg/m³</td>
<td>USA Occupational Exposure Limits (OSHA) – Table Z-1 Limits for Air Contaminants</td>
</tr>
<tr>
<td></td>
<td></td>
<td>TWA</td>
<td>5 mg/m³</td>
<td>USA Occupational Exposure Limits (OSHA) – Table Z-1 Limits for Air Contaminants</td>
</tr>
<tr>
<td></td>
<td></td>
<td>TWA</td>
<td>1 mg/m³</td>
<td>USA ACGIH Threshold Limit Values (TLV)</td>
</tr>
<tr>
<td></td>
<td></td>
<td>TWA</td>
<td>4 mg/m³</td>
<td>EH40 (UK) WELs – Respirable dust</td>
</tr>
<tr>
<td></td>
<td></td>
<td>TWA</td>
<td>10 mg/m³</td>
<td>EH40 (UK) WELs – Total dust</td>
</tr>
</tbody>
</table>

8.2 Appropriate engineering controls
Handle in accordance with good industrial hygiene and safety practice. Wash hands before breaks and at the end of workday.

8.3 Individual protection measures, such as personal protective equipment
All personnel handling the product should use a personal protective equipment level D.

Respiratory protection
Where risk assessment shows air-purifying respirators are appropriate use a full-face respirator with multipurpose combination (US) or type ABEK (EN 14387) respirator cartridges as a backup to engineering controls. If the respirator is the sole means of protection, use a full-face supplied air respirator. Use respirators and components tested and approved under appropriate government standards such as NIOSH (US) or CEN (EU).

Eye/face protection
Safety glasses with side-shields conforming to EN166 Use equipment for eye protection tested and approved under appropriate government standards such as NIOSH (US) or EN 166(EU).

Hand protection
Handle with gloves. Gloves must be inspected prior to use. Use proper glove removal technique (without touching glove’s outer surface) to avoid skin contact with this product. Dispose of contaminated gloves after use in accordance with applicable laws and good laboratory practices. Wash and dry hands.

Body protection
Wear impervious clothing. The type of protective equipment must be selected according to the concentration and amount of the dangerous substance at the specific workplace.
9. Physical and Chemical Properties

9.1 Information on basic physical and chemical properties

a) Appearance
   Brown paste.
b) Odor
   Odorless.
c) Odor threshold
   No data available.
d) pH
   No data available.
e) Melting/freezing point
   No data available.
f) Boiling point
   >100°C (>212°F)
g) Flash point
   No data available.
h) Evaporation rate
   No data available.
i) Flammability (solid, gas)
   No data available.
j) Upper/lower flammability or explosive limits
   Upper (UEL): No data available.
   Lower (LEL): No data available.
k) Vapor pressure
   No data available.
l) Vapor density
   No data available.
m) Relative density
   1.65 g/cm³ at 25°C (77°F)
n) Water solubility
   Appreciable.
o) Partition coefficient:
   Octanol/water
   No data available.
p) Auto-ignition temp
   No data available.
q) Decomposition temp
   No data available.
r) Viscosity
   >1.0 cP at 25°C (77°F)

10. Stability and Reactivity

10.1 Reactivity
No data available.

10.2 Chemical stability
Stable under ordinary conditions of use and storage.

10.3 Possibility of hazardous reactions
No data available.

10.4 Conditions to avoid
Contact with incompatible chemicals and exposure to extremely high temperatures.

10.5 Incompatible materials
Strong oxidizers, strong acids, acid chlorides, acid anhydrides, chloroformates, or strong reducing agents.

10.6 Hazardous decomposition products
Mainly carbon dioxide and carbon monoxide.

11. Toxicological Information

11.1 Information on toxicological effects

Acute toxicity
For the major component propylene glycol

LD₅₀ oral, rat: 20,000 mg/kg
LD₅₀ dermal, rabbit: 20,800 mg/kg
LD₅₀ intramuscular, rat: 14 g/kg
LD₅₀ intravenous, dog: 26 g/kg
LD₅₀ intraperitoneal, rat: 6,600 mg/kg
LD₅₀ subcutaneous, rat: 22,500 mg/kg
LD₅₀ intravenous, rat: 6,423 mg/kg
LD₅₀ intraperitoneal, mouse: 9,718 mg/kg; Remarks: Lungs, Thorax; Respiration: chronic pulmonary edema; Kidney, Ureter, Bladder: changes in both tubules and glomeruli; Blood: changes in spleen.
LD₅₀ subcutaneous, mouse: 17,370 mg/kg; Remarks: Behavioral: change in motor activity (specific assay); Behavioral: muscle contraction or spasticity; Cyanosis.
LD50 intravenous, mouse: 6,630 mg/kg
LD50 intravenous, rabbit: 6,500 mg/kg
For the major component aluminum oxide
LD50 oral, rat: >10,000 mg/kg (OECD Test Guideline 401)

**Skin corrosion/irritation**
Propylene glycol: Skin – human. Result: mild skin irritation, 7d.

**Serious eye damage/eye irritation**

**Respiratory or skin sensitization**
No data available.

**Germ cell mutagenicity**
No data available.

**Suspected cancer agent**
No component of this product present at levels greater than or equal to 0.1% is identified as a carcinogen or potential carcinogen by ACGIH, NTP, OSHA, or IARC.

**Reproductive toxicity**
This product is not reported to produce mutagenic, embryotoxic, teratogenic, or reproductive effects in humans.

**Specific target organ toxicity – single exposure**
No data available.

**Specific target organ toxicity – repeat exposure**
No data available.

---

### 12. Ecological Information

#### 12.1 Ecotoxicity (aquatic and terrestrial)
This product may be harmful to aquatic life if large quantities are released into bodies of water.

For the major component propylene glycol

- **Toxicity to fish:** Mortality NOEC – Pimephales promelas (fathead minnow) – 52,930 mg/L, 96h.
- **Toxicity to invertebrates:** Mortality NOEC – Daphnia – 13,020 mg/L, 48h.
  EC50 – Daphnia magna (water flea) – 13,020 mg/L, 48h.

#### 12.2 Persistence and degradability
No data available.

#### 12.3 Bioaccumulation potential
No data available.

#### 12.4 Mobility in soil
No data available.

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

#### 12.6 Other adverse effects
None.

---

### 13. Disposal Considerations

#### 13.1 Waste treatment methods
Waste disposal must be in accordance with appropriate Federal, State, and local regulations. This product, if unaltered by use, may be disposed of by treatment at a permitted facility or as advised by your local hazardous waste regulatory authority.

---

### 14. Transport Information

- **DOT (US)**
  Not dangerous goods.
- **IMDG**
  Not dangerous goods.
IATA
Not dangerous goods.

15. Regulatory Information

<table>
<thead>
<tr>
<th>SARA 302 Components</th>
<th>No chemicals in this material are subject to the reporting requirements of SARA Title III, Section 302.</th>
</tr>
</thead>
<tbody>
<tr>
<td>SARA 313 Components</td>
<td>Aluminum oxide, CAS-No. 1344-28-1, Revision date: 1994-04-01.</td>
</tr>
<tr>
<td>TSCA</td>
<td>All components of this product are on the TSCA inventory or are exempt from TSCA inventory requirements.</td>
</tr>
<tr>
<td>Canada DSL</td>
<td>All components of this product are on the Canada Domestic Substance List or are exempt from DSL requirements.</td>
</tr>
<tr>
<td>WHMIS classification</td>
<td>No ingredients are hazardous according to the CPR criteria.</td>
</tr>
<tr>
<td>CA Prop. 65 components</td>
<td>This product does not contain any chemicals known to State of California to cause cancer, birth defects, or any other reproductive harm.</td>
</tr>
<tr>
<td>Hazard symbols</td>
<td>None</td>
</tr>
<tr>
<td>Risk phrases</td>
<td>None</td>
</tr>
<tr>
<td>Safety phrases</td>
<td>None</td>
</tr>
<tr>
<td>International lists</td>
<td>Australia - AICS - The materials are listed or exempted Canada - The materials are listed or exempted China - IECSC - The materials are listed or exempted Europe - EINECS - The materials are listed or exempted Japan - ENCS/ISHL - The materials are listed or exempted Malaysia - The materials are listed or exempted New Zealand - NZIoC - The materials are listed or exempted Philippines - PICCS - The materials are listed or exempted Korea - KECI - The materials are listed or exempted Taiwan - NECI - The materials are listed or exempted Turkey - The materials are listed or exempted United States - The materials are listed or exempted</td>
</tr>
</tbody>
</table>

16. Other Information

<table>
<thead>
<tr>
<th>HMIS Rating</th>
<th>Health hazard: 0 Chronic Health Hazard: 0 Flammability: 0 Physical Hazard 0</th>
</tr>
</thead>
<tbody>
<tr>
<td>NFPA Rating</td>
<td>Health hazard: 0 Fire Hazard: 0 Reactivity Hazard: 0</td>
</tr>
<tr>
<td>Revision Date</td>
<td>19 September 2019</td>
</tr>
</tbody>
</table>

The information contained herein is based on data considered accurate. However, no warranty is expressed or implied regarding the accuracy of these data or the results to be obtained from the use thereof. Holt International, LLC assumes no responsibility for injury to the vendee or third persons proximately caused by the material if reasonable safety procedures are not adhered to as stipulated in the data sheet. Additionally, Holt International, LLC assumes no responsibility for injury to vendee or third persons proximately caused by abnormal use of the material even if reasonable safety procedures are followed. Furthermore, vendee assumes the risk in his use of the material.