1. Identification

1.1. Product identifier
Product Identity

CESSCO Fire Ant Killer

1.2. Relevant identified uses of the substance or mixture and uses advised against
Intended Use / Application Method

See Technical Data Sheet.

1.3. Details of the supplier of the safety data sheet
Company Name

Cessco, Inc.
3609-A River Road
Johns Island, SC 29455. USA

CHEMTREC (USA)

(800) 424-9300

Customer Service: Cessco, Inc.

(800) 476-3666

2. Hazard(s) identification

2.1. Classification of the substance or mixture
Flam. Gas 1;H220 Extremely flammable gas.
Press. Gas;H280 Contains gas under pressure; may explode if heated.
Skin Sens. 1;H317 May cause an allergic skin reaction.
STOT RE 1;H372 Causes damage to organs through prolonged or repeated exposure. Specific Target Organs: (central nervous system )
Aquatic Chronic 1;H410 Very toxic to aquatic life with long lasting effects.

2.2. Label elements
Using the Toxicity Data listed in section 11 and 12 the product is labeled as follows.

Danger

H220 Extremely flammable gas.
H280 Contains gas under pressure; may explode if heated.
H317 May cause an allergic skin reaction.
H372 Causes damage to organs through prolonged or repeated exposure.
H410 Very toxic to aquatic life with long lasting effects.
[Prevention]:
P210 Keep away from heat / sparks / open flames / hot surfaces - No smoking.
P235+410 Keep cool. Protect from sunlight.
P240 Ground / bond container and receiving equipment.
P241 Use explosion-proof electrical / ventilating / light / equipment.
P242 Use only non-sparking tools.
P243 Take precautionary measures against static discharge.
P261 Avoid breathing dust / fume / gas / mist / vapors / spray.
P264 Wash thoroughly after handling.
P270 Do not eat, drink or smoke when using this product.
P272 Contaminated work clothing should not be allowed out of the workplace.
P273 Avoid release to the environment.
P280 Wear protective gloves / eye protection / face protection.

[Response]:
P302+352 IF ON SKIN: Wash with plenty of soap and water.
P303+361+353 IF ON SKIN (or hair): Remove / Take off immediately all contaminated clothing. Rinse skin with water / shower.
P313 Get medical advice / attention.
P314 Get Medical advice / attention if you feel unwell.
P321 Specific treatment (see information on this label).
P333+313 If skin irritation or a rash occurs: Get medical advice / attention.
P363 Wash contaminated clothing before reuse.
P370+378 In case of fire: Use extinguishing media listed in section 5 of SDS for extinction.
P377 Leaking gas fire - do not extinguish unless leak can be stopped safely.
P381 Eliminate all ignition sources if safe to do so.
P391 Collect spillage.

[Storage]:
P403+233 Store in a well ventilated place. Keep container tightly closed.

[Disposal]:
P501 Dispose of contents / container in accordance with local / national regulations.
3. Composition/information on ingredients

This product contains the following substances that present a hazard within the meaning of the relevant State and Federal Hazardous Substances regulations.

<table>
<thead>
<tr>
<th>Ingredient/Chemical Designations</th>
<th>Weight %</th>
<th>GHS Classification</th>
<th>Notes</th>
</tr>
</thead>
<tbody>
<tr>
<td>Solvent naphtha (petroleum), medium aliphatic</td>
<td>10 - 25</td>
<td>STOT RE 1;H372 Asp. Tox. 1;H304</td>
<td>[1]</td>
</tr>
<tr>
<td>CAS Number: 0064742-88-7</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Propane</td>
<td>5 - 10</td>
<td>Flam. Gas 1;H220 Press. Gas;H280</td>
<td>[1][2]</td>
</tr>
<tr>
<td>CAS Number: 0000074-98-6</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>1,3-Benzodioxole, 5-[[2-(2-butoxyethoxy)ethoxy]methyl]-6-propyl-</td>
<td>1 - 5</td>
<td>Aquatic Chronic 1;H410 Acute Tox. 4;H312</td>
<td>[1]</td>
</tr>
<tr>
<td>CAS Number: 0000051-03-6</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Permethrin</td>
<td>0.10 - 1.0</td>
<td>Acute Tox. 4;H332 Acute Tox. 4;H302 Skin Sens. 1;H317 Aquatic Acute 1;H400 Aquatic Chronic 1;H410</td>
<td>[1]</td>
</tr>
<tr>
<td>CAS Number: 0052645-53-1</td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

In accordance with paragraph (i) of §1910.1200, the specific chemical identity and/or exact percentage (concentration) of composition has been withheld as a trade secret.

[1] Substance classified with a health or environmental hazard.

*The full texts of the phrases are shown in Section 16.

4. First aid measures

4.1. Description of first aid measures

General
In all cases of doubt, or when symptoms persist, seek medical attention. Never give anything by mouth to an unconscious person.

Inhalation
Remove to fresh air, keep patient warm and at rest. If breathing is irregular or stopped, give artificial respiration. If unconscious place in the recovery position and obtain immediate medical attention. Give nothing by mouth.

Eyes
Irrigate copiously with clean water for at least 15 minutes, holding the eyelids apart and seek medical attention.

Skin
Remove contaminated clothing. Wash skin thoroughly with soap and water or use a recognized skin cleanser.

Ingestion
If swallowed obtain immediate medical attention. Keep at rest. Do NOT induce vomiting.

4.2. Most important symptoms and effects, both acute and delayed

Overview
EYES: Non-irritating
SKIN: Slightly irritating
INGESTION: Not an expected route of exposure for an aerosol product.
SIGNS AND SYMPTOMS: Based on animal studies, symptoms of overexposure to this product include diarrhea, yellow nasal discharge, and activity decrease.

See section 2 for further details.

Skin
May cause an allergic skin reaction.
5. Fire-fighting measures

5.1. Extinguishing media
Carbon Dioxide, Dry Chemical, Foam or Water

5.2. Special hazards arising from the substance or mixture
Combustible. Contents under pressure. Do not use or store near heat or open flame. Do not puncture or incinerate container. Exposure to temperatures above 130°F may cause bursting. Do not use this product in or on electrical equipment due to the possibility of shock hazard.

Hazardous decomposition: No hazardous decomposition data available.
Keep away from heat / sparks / open flames / hot surfaces - No smoking.
Keep cool. Protect from sunlight.
Ground / bond container and receiving equipment.
Use explosion-proof electrical / ventilating / light / equipment.
Use only non-sparking tools.
Take precautionary measures against static discharge.
Avoid breathing dust / fume / gas / mist / vapors / spray.

5.3. Advice for fire-fighters
As in any fire, wear self-contained breathing apparatus pressure-demand, MSHA/NIOSH approved (or equivalent) and full protective gear.

ERG Guide No. 126

6. Accidental release measures

6.1. Personal precautions, protective equipment and emergency procedures
Put on appropriate personal protective equipment (see section 8).
Combustible. Contents under pressure. Do not use or store near heat or open flame. Do not puncture or incinerate container. Exposure to temperatures above 130°F may cause bursting. Do not use this product in or on electrical equipment due to the possibility of shock hazard.

6.2. Environmental precautions
Do not allow spills to enter drains or waterways.
Use good personal hygiene practices. Wash hands before eating, drinking, smoking or using toilet. Promptly remove soiled clothing and wash thoroughly before reuse.

6.3. Methods and material for containment and cleaning up
Combustible. Contents under pressure. Do not use or store near heat or open flame. Do not puncture or incinerate container. Exposure to temperatures above 130°F may cause bursting. Do not use this product in or on electrical equipment due to the possibility of shock hazard.

Eliminate all ignition sources. Do not allow leaking material to enter water source. Contain and soak up spill with absorbent material (oil-dri, sand, sawdust, vermiculate or other similar inert material). Contains pesticides and petroleum solvent and may be toxic to aquatic life. Transfer into waste containers for disposal.
7. Handling and storage

7.1. Precautions for safe handling
See section 2 for further details. - [Prevention]:

7.2. Conditions for safe storage, including any incompatibilities
Handle containers carefully to prevent damage and spillage.
* Avoid contact with skin or clothing.
* Do not use near heat or open flame.
* Do not use this product in or on electrical equipment due to the possibility of shock hazard.
Incompatible materials: No data available.
See section 2 for further details. - [Storage]:

7.3. Specific end use(s)
No data available.

8. Exposure controls and personal protection

8.1. Control parameters

<table>
<thead>
<tr>
<th>CAS No.</th>
<th>Ingredient</th>
<th>Source</th>
<th>Value</th>
</tr>
</thead>
<tbody>
<tr>
<td>0000051-03-6</td>
<td>1,3-Benzodioxole, 5-[[2-(2-butoxyethoxy)ethoxy]methyl]-6-propyl-</td>
<td>OSHA</td>
<td>No Established Limit</td>
</tr>
<tr>
<td></td>
<td></td>
<td>ACGIH</td>
<td>No Established Limit</td>
</tr>
<tr>
<td></td>
<td></td>
<td>NIOSH</td>
<td>No Established Limit</td>
</tr>
<tr>
<td></td>
<td></td>
<td>Supplier</td>
<td>No Established Limit</td>
</tr>
<tr>
<td>0000074-98-6</td>
<td>Propane</td>
<td>OSHA</td>
<td>TWA 1000 ppm (1800 mg/m3)</td>
</tr>
<tr>
<td></td>
<td></td>
<td>ACGIH</td>
<td>Ensure Minimal Oxygen Content (ACGIH appendix F)</td>
</tr>
<tr>
<td></td>
<td></td>
<td>NIOSH</td>
<td>TWA 1000 ppm (1800 mg/m3)</td>
</tr>
<tr>
<td></td>
<td></td>
<td>Supplier</td>
<td>No Established Limit</td>
</tr>
<tr>
<td>0052645-53-1</td>
<td>Permethrin</td>
<td>OSHA</td>
<td>No Established Limit</td>
</tr>
<tr>
<td></td>
<td></td>
<td>ACGIH</td>
<td>No Established Limit</td>
</tr>
<tr>
<td></td>
<td></td>
<td>NIOSH</td>
<td>No Established Limit</td>
</tr>
<tr>
<td></td>
<td></td>
<td>Supplier</td>
<td>No Established Limit</td>
</tr>
<tr>
<td>0064742-88-7</td>
<td>Solvent naphtha (petroleum), medium aliphatic</td>
<td>OSHA</td>
<td>No Established Limit</td>
</tr>
<tr>
<td></td>
<td></td>
<td>ACGIH</td>
<td>No Established Limit</td>
</tr>
<tr>
<td></td>
<td></td>
<td>NIOSH</td>
<td>No Established Limit</td>
</tr>
<tr>
<td></td>
<td></td>
<td>Supplier</td>
<td>No Established Limit</td>
</tr>
</tbody>
</table>

Carcinogen Data

<table>
<thead>
<tr>
<th>CAS No.</th>
<th>Ingredient</th>
<th>Source</th>
<th>Value</th>
</tr>
</thead>
<tbody>
<tr>
<td>0000051-03-6</td>
<td>1,3-Benzodioxole, 5-[[2-(2-butoxyethoxy)ethoxy]methyl]-6-propyl-</td>
<td>OSHA</td>
<td>Select Carcinogen: No</td>
</tr>
<tr>
<td></td>
<td></td>
<td>NTP</td>
<td>Known: No; Suspected: No</td>
</tr>
<tr>
<td></td>
<td></td>
<td>IARC</td>
<td>Group 1: No; Group 2a: No; Group 2b: No; Group 3: Yes; Group 4: No;</td>
</tr>
<tr>
<td>0000074-98-6</td>
<td>Propane</td>
<td>OSHA</td>
<td>Select Carcinogen: No</td>
</tr>
<tr>
<td></td>
<td></td>
<td>NTP</td>
<td>Known: No; Suspected: No</td>
</tr>
<tr>
<td></td>
<td></td>
<td>IARC</td>
<td>Group 1: No; Group 2a: No; Group 2b: No; Group 3: No; Group 4: No;</td>
</tr>
</tbody>
</table>
8.2. Exposure controls

**Respiratory**
No respiratory protection needed if directions are followed. If remaining in the enclosed areas after use, use N.I.O.S.H. approved respirator for pesticide vapors.

**Eyes**
Not required. Goggles or glasses optional.

**Skin**
Chemical-resistant gloves

**Engineering Controls**
Use in a well ventilated area.

**Other Work Practices**
Use good personal hygiene practices. Wash hands before eating, drinking, smoking or using toilet. Promptly remove soiled clothing and wash thoroughly before reuse. See section 2 for further details. - [Prevention]:

---

9. Physical and chemical properties

<table>
<thead>
<tr>
<th>Property</th>
<th>Value</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Appearance</strong></td>
<td>Off White Liquid</td>
</tr>
<tr>
<td><strong>Odor</strong></td>
<td>Slight</td>
</tr>
<tr>
<td><strong>Odor threshold</strong></td>
<td>Not determined</td>
</tr>
<tr>
<td><strong>pH</strong></td>
<td>7.0 at 20°C</td>
</tr>
<tr>
<td><strong>Melting point / freezing point</strong></td>
<td>Not Measured</td>
</tr>
<tr>
<td><strong>Initial boiling point and boiling range</strong></td>
<td>Not Measured</td>
</tr>
<tr>
<td><strong>Flash Point</strong></td>
<td>128°F (53°C) TCC</td>
</tr>
<tr>
<td><strong>Evaporation rate (Ether = 1)</strong></td>
<td>Not Measured</td>
</tr>
<tr>
<td><strong>Flammability (solid, gas)</strong></td>
<td>Gas</td>
</tr>
<tr>
<td><strong>Upper/lower flammability or explosive limits</strong></td>
<td>Lower Explosive Limit: Not Measured</td>
</tr>
<tr>
<td></td>
<td>Upper Explosive Limit: Not Measured</td>
</tr>
<tr>
<td><strong>Vapor pressure (Pa)</strong></td>
<td>Not Measured</td>
</tr>
<tr>
<td><strong>Vapor Density</strong></td>
<td>Not Measured</td>
</tr>
<tr>
<td><strong>Specific Gravity</strong></td>
<td>0.98 at 20°C</td>
</tr>
<tr>
<td><strong>Solubility in Water</strong></td>
<td>Not Measured</td>
</tr>
<tr>
<td><strong>Partition coefficient n-octanol/water (Log Kow)</strong></td>
<td>Not Measured</td>
</tr>
<tr>
<td><strong>Auto-ignition temperature</strong></td>
<td>Not Measured</td>
</tr>
<tr>
<td><strong>Decomposition temperature</strong></td>
<td>Not Measured</td>
</tr>
<tr>
<td><strong>Viscosity (cSt)</strong></td>
<td>124 cP at 21°C</td>
</tr>
<tr>
<td><strong>Density</strong></td>
<td>8.16 lbs/gal</td>
</tr>
</tbody>
</table>

9.2. Other information

No other relevant information.
10. Stability and reactivity

10.1. Reactivity
Hazardous Polymerization will not occur.

10.2. Chemical stability
Stable under normal circumstances.

10.3. Possibility of hazardous reactions
No data available.

10.4. Conditions to avoid
Do not store near heat or open flame. Store in a cool, dry area away from children.

10.5. Incompatible materials
No data available.

10.6. Hazardous decomposition products
No hazardous decomposition data available.

11. Toxicological information

### Acute toxicity

<table>
<thead>
<tr>
<th>Ingredient</th>
<th>Oral LD50, mg/kg</th>
<th>Skin LD50, mg/kg</th>
<th>Inhalation Vapor LC50, mg/L/4hr</th>
<th>Inhalation Dust/Mist LC50, mg/L/4hr</th>
<th>Inhalation Gas LC50, ppm</th>
</tr>
</thead>
<tbody>
<tr>
<td>Solvent naphtha (petroleum), medium aliphatic - (64742-88-7)</td>
<td>6,000.00, Rat - Category: NA</td>
<td>3,000.00, Rabbit - Category: 5</td>
<td>No data available</td>
<td>No data available</td>
<td>No data available</td>
</tr>
<tr>
<td>Propane - (74-98-6)</td>
<td>No data available</td>
<td>No data available</td>
<td>658.00, Rat - Category: NA</td>
<td>No data available</td>
<td>No data available</td>
</tr>
<tr>
<td>1,3-Benzodioxole, 5-[[2-(2-butoxyethoxy)ethoxy]methyl]-6-propyl - (51-03-6)</td>
<td>5,630.00, Rat - Category: NA</td>
<td>2,000.00, Rat - Category: 4</td>
<td>No data available</td>
<td>No data available</td>
<td>No data available</td>
</tr>
<tr>
<td>Permethrin - (52645-53-1)</td>
<td>383.00, Rat - Category: 4</td>
<td>&gt;2,000.00, Rat - Category: 5</td>
<td>No data available</td>
<td>No data available</td>
<td>No data available</td>
</tr>
</tbody>
</table>

Note: When no route specific LD50 data is available for an acute toxin, the converted acute toxicity point estimate was used in the calculation of the product's ATE (Acute Toxicity Estimate).

<table>
<thead>
<tr>
<th>Classification</th>
<th>Category</th>
<th>Hazard Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>Acute toxicity (oral)</td>
<td>---</td>
<td>Not Applicable</td>
</tr>
<tr>
<td>Acute toxicity (dermal)</td>
<td>---</td>
<td>Not Applicable</td>
</tr>
<tr>
<td>Acute toxicity (inhalation)</td>
<td>---</td>
<td>Not Applicable</td>
</tr>
<tr>
<td>Skin corrosion/irritation</td>
<td>---</td>
<td>Not Applicable</td>
</tr>
<tr>
<td>Serious eye damage/irritation</td>
<td>---</td>
<td>Not Applicable</td>
</tr>
<tr>
<td>Respiratory sensitization</td>
<td>---</td>
<td>Not Applicable</td>
</tr>
<tr>
<td>Skin sensitization</td>
<td>1</td>
<td>May cause an allergic skin reaction.</td>
</tr>
</tbody>
</table>
12. Ecological information

12.1. Toxicity
Very toxic to aquatic life with long lasting effects.
No additional information provided for this product. See Section 3 for chemical specific data.
Do not apply directly to water. Do not contaminate water by disposal of wastes.

Aquatic Ecotoxicity

<table>
<thead>
<tr>
<th>Ingredient</th>
<th>96 hr LC50 fish, mg/l</th>
<th>48 hr EC50 crustacea, mg/l</th>
<th>ErC50 algae, mg/l</th>
</tr>
</thead>
<tbody>
<tr>
<td>Solvent naphtha (petroleum), medium aliphatic - (64742-88-7)</td>
<td>800.00, Pimephales promelas</td>
<td>100.00, Daphnia magna</td>
<td>450.00 (96 hr), Selenastrum capricornutum</td>
</tr>
<tr>
<td>Propane - (74-98-6)</td>
<td>Not Available</td>
<td>Not Available</td>
<td>Not Available</td>
</tr>
<tr>
<td>1,3-Benzodioxole, 5-[2-(2-butoxyethoxy)ethoxy]methyl]-6-propyl- - (51-03-6)</td>
<td>6.12, Oncorhynchus mykiss</td>
<td>0.05, Daphnia magna</td>
<td>3.89 (72 hr), Pseudokirchneriella subcapitata</td>
</tr>
<tr>
<td>Permethrin - (52645-53-1)</td>
<td>0.009, Salmo salar</td>
<td>0.00032, Daphnia</td>
<td>Not Available</td>
</tr>
</tbody>
</table>

12.2. Persistence and degradability
There is no data available on the preparation itself.

12.3. Bioaccumulative potential
Not Measured

12.4. Mobility in soil
No data available.

12.5. Results of PBT and vPvB assessment
This product contains no PBT/vPvB chemicals.

12.6. Other adverse effects
No data available.

13. Disposal considerations

13.1. Waste treatment methods
Replace cap, wrap container in several layers of newspaper and discard in trash. Do not incinerate or puncture. Can be disposed of with other recyclables where local law permits.
14. Transport information

This product can be classified as a CONSUMER COMMODITY, ORM-D, if the aerosol meets the specifications as designated in 49 CFR, 173.306.

<table>
<thead>
<tr>
<th>DOT (Domestic Surface Transportation)</th>
<th>IMO / IMDG (Ocean Transportation)</th>
<th>ICAO/IATA</th>
</tr>
</thead>
<tbody>
<tr>
<td>UN1950</td>
<td>UN1950</td>
<td>UN1950</td>
</tr>
<tr>
<td>UN1950, Aerosols, flammable, n.o.s., 2.1</td>
<td>Aerosols, flammable, n.o.s.</td>
<td>Aerosols, flammable, n.o.s.</td>
</tr>
<tr>
<td>DOT Hazard Class: 2.1</td>
<td>IMDG: 2.1</td>
<td>Air Class: 2.1</td>
</tr>
<tr>
<td>Not Applicable</td>
<td>Sub Class: Not Applicable</td>
<td>Not Applicable</td>
</tr>
<tr>
<td>IMDG</td>
<td>Marine Pollutant: Yes (Permethrin)</td>
<td></td>
</tr>
</tbody>
</table>

14.5. Environmental hazards

14.6. Special precautions for user

No further information

15. Regulatory information

Regulatory Overview
The regulatory data in Section 15 is not intended to be all-inclusive, only selected regulations are represented.

Toxic Substance Control Act (TSCA)
All components of this material are either listed or exempt from listing on the TSCA Inventory.

WHMIS Classification
A B1 D2A

US EPA Tier II Hazards
Fire: Yes
Sudden Release of Pressure: Yes
Reactive: No
Immediate (Acute): Yes
Delayed (Chronic): Yes

EPCRA 311/312 Chemicals and RQs:
To the best of our knowledge, there are no chemicals at levels which require reporting under this statute.

EPCRA 302 Extremely Hazardous:
To the best of our knowledge, there are no chemicals at levels which require reporting under this statute.

EPCRA 313 Toxic Chemicals:
1,3-Benzodioxole, 5-[[2-(2-butoxyethoxy)ethoxy]methyl]-6-propyl-

Proposition 65 - Carcinogens (>0.0%):
To the best of our knowledge, there are no chemicals at levels which require reporting under this statute.

Proposition 65 - Developmental Toxins (>0.0%):
To the best of our knowledge, there are no chemicals at levels which require reporting under this statute.

Proposition 65 - Female Repro Toxins (>0.0%):
To the best of our knowledge, there are no chemicals at levels which require reporting under this statute.
Proposition 65 - Male Repro Toxins (>0.0%):
To the best of our knowledge, there are no chemicals at levels which require reporting under this statute.

New Jersey RTK Substances (>1%):
1,3-Benzodioxole, 5-[[2-(2-butoxyethoxy)ethoxy]methyl]-6-propyl-
Propane

Pennsylvania RTK Substances (>1%):
Propane

16. Other information

The information and recommendations contained herein are based upon data believed to be correct. However, no guarantee or warranty of any kind, expressed or implied, is made with respect to the information contained herein. We accept no responsibility and disclaim all liability for any harmful effects which may be caused by exposure to our products. Customers/users of this product must comply with all applicable health and safety laws, regulations, and orders.

The full text of the phrases appearing in section 3 is:
H220 Extremely flammable gas.
H280 Contains gas under pressure; may explode if heated.
H302 Harmful if swallowed.
H304 May be fatal if swallowed and enters airways.
H312 Harmful in contact with skin.
H317 May cause an allergic skin reaction.
H332 Harmful if inhaled.
H372 Causes damage to organs through prolonged or repeated exposure.
H400 Very toxic to aquatic life.
H410 Very toxic to aquatic life with long lasting effects.

Disclaimer: The above information pertains to this product as it is currently formulated, and is based on the information available at this time. Addition of reducers or other additives to this product may substantially alter the composition and hazards of this product. This information is provided in good faith, but since conditions of use are outside our control, we make no warranties, expressed or implied, and assume no liability in connection with any use of this information. **Buyer assumes all responsibility for safety and use not in accordance with label directions.

End of Document