SECTION 1: Identification

1.1. Identification

Product form: Mixture
Trade name: AMDRO Gopher Gasser
Synonyms: 100508233, 100525532, EPA Reg. No.: 73342-8, UPC # 8-13576-00860-4

1.2. Recommended use and restrictions on use

Recommended use: Pesticide.
Restrictions on use: Avoid all contact with skin, eyes, or clothing. Keep out of reach of children.

1.3. Supplier

Ambrands
1000 Parkwood Circle, Suite 700
Atlanta, GA 30339 - United States

www.amdro.com

1.4. Emergency telephone number

Emergency number: 1-800-265-0761
1-800-424-9300 - CHEMTREC
1-703-527-3887 - CHEMTREC - Outside North America - Collect Calls Accepted

SECTION 2: Hazard(s) identification

2.1. Classification of the substance or mixture

GHS US classification
Oxidizing solids Category 2: May intensify fire; oxidizer
Skin corrosion/irritation Category 2: Causes skin irritation
Serious eye damage/eye irritation Category 2B: Causes eye irritation
Specific target organ toxicity (single exposure) Category 3: May cause respiratory irritation

2.2. GHS Label elements, including precautionary statements

GHS US labeling
Hazard pictograms (GHS US): GHS03, GHS07
Signal word (GHS US): Danger
Hazard statements (GHS US): May intensify fire; oxidizer
Causes skin irritation
Causes eye irritation
May cause respiratory irritation
Precautionary statements (GHS US): Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking.
Keep/Store away from clothing and other combustible materials.
Take any precaution to avoid mixing with combustibles.
Avoid breathing dust/fume/gas/mist/vapors/spray.
Wash hands, forearms and face thoroughly after handling.
Use only outdoors or in a well-ventilated area.
Wear protective gloves/protective clothing/eye protection/face protection.
If on skin: Wash with plenty of water.
If inhaled: Remove person to fresh air and keep comfortable for breathing.
If in eyes: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.
Call a poison center or doctor if you feel unwell.
If skin irritation occurs: Get medical advice/attention.
If eye irritation persists: Get medical advice/attention.
Take off contaminated clothing and wash it before reuse.
In case of fire: Use Water spray, foam, dry chemical, carbon dioxide to extinguish. Store in a well-ventilated place. Keep container tightly closed. Store locked up. Dispose of contents/container to in accordance with local/regional/national/international regulations.

### 2.3. Other hazards which do not result in classification

Other hazards not contributing to the classification: This product is highly toxic to wildlife. Under United States Regulations (29 CFR 1910.1200 - Hazard Communication Standard), this product is considered hazardous.

### 2.4. Unknown acute toxicity (GHS US)

Not applicable

### SECTION 3: Composition/Information on ingredients

#### 3.1. Substances

Not applicable

#### 3.2. Mixtures

<table>
<thead>
<tr>
<th>Name</th>
<th>Product identifier</th>
<th>%</th>
</tr>
</thead>
<tbody>
<tr>
<td>Sulfur (CAS-No.) 7704-34-9</td>
<td></td>
<td>45.46</td>
</tr>
<tr>
<td>Potassium nitrate (CAS-No.) 7757-79-1</td>
<td></td>
<td>45</td>
</tr>
<tr>
<td>Non-hazardous and/or does not meet criteria for classification (CAS-No.) Trade secret</td>
<td></td>
<td>10</td>
</tr>
</tbody>
</table>

### SECTION 4: First-aid measures

#### 4.1. Description of first aid measures

- **First-aid measures general**: Call a poison center/doctor/physician if you feel unwell.
- **First-aid measures after inhalation**: IF INHALED: Remove person to fresh air and keep comfortable for breathing. Call a poison center/doctor/physician if you feel unwell. Call a POISON CENTER or doctor/physician if you feel unwell.
- **First-aid measures after skin contact**: IF ON SKIN: Wash with plenty of soap and water. Rinse immediately contaminated clothing and skin with plenty of water before removing clothes. Take off contaminated clothing. If skin irritation or rash occurs: Get medical advice/attention.
- **First-aid measures after eye contact**: IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. If eye irritation persists: Get medical advice and attention.
- **First-aid measures after ingestion**: IF SWALLOWED: Call a POISON CENTER or doctor/physician if you feel unwell. Rinse mouth. Do NOT induce vomiting unless directed to do so by medical personnel.

#### 4.2. Most important symptoms and effects (acute and delayed)

- **Symptoms/effects after inhalation**: May cause respiratory irritation.
- **Symptoms/effects after skin contact**: Irritation.
- **Symptoms/effects after eye contact**: Mild eye irritation.

#### 4.3. Immediate medical attention and special treatment, if necessary

Treat symptomatically.

### SECTION 5: Fire-fighting measures

#### 5.1. Suitable (and unsuitable) extinguishing media

- **Suitable extinguishing media**: Water spray. Dry powder. Foam. Carbon dioxide.
- **Unsuitable extinguishing media**: Avoid heavy hose streams.

#### 5.2. Specific hazards arising from the chemical

- **Fire hazard**: May cause fire or explosion; strong oxidizer. Once ignited by the fuse, this cartridge will burn vigorously until completely spent and is capable of causing severe burns to exposed skin and clothes, and of igniting dry grass, leaves and other combustible materials. May re-ignite after fire is extinguished.
- **Reactivity**: May cause fire or explosion; strong oxidizer. Product is ignitable - requires ignition source.
5.3. Special protective equipment and precautions for fire-fighters

Firefighting instructions: As an immediate precautionary measure, isolate spill or leak area for at least 50 meters (150 feet) in all directions. Ventilate closed spaces before entering. Do not breathe gas/fumes/vapor/spray. Eliminate all ignition sources if safe to do so. Products of combustion from fires involving this material may be toxic. Avoid breathing smoke and mists. Minimize the amount of water used for fire fighting. Do not allow fire fighting water to escape into waterways or sewers. Stay upwind.

Protection during firefighting: Do not attempt to take action without suitable protective equipment. Self-contained breathing apparatus. Complete protective clothing.

SECTION 6: Accidental release measures

6.1. Personal precautions, protective equipment and emergency procedures

6.1.1. For non-emergency personnel

Protective equipment: Wear suitable protective equipment.

Emergency procedures: Ventilate spillage area. No open flames, no sparks, and no smoking. Avoid breathing dust/fume/gas/mist/vapors/spray. Avoid contact with skin and eyes.

6.1.2. For emergency responders

Protective equipment: Do not attempt to take action without suitable protective equipment. For further information refer to section 8: Exposure controls/personal protection.

Emergency procedures: ELIMINATE all ignition sources (no smoking, flares, sparks or flames in immediate area). Evacuate unnecessary personnel. Ventilate area.

6.2. Environmental precautions

Avoid release to the environment.

6.3. Methods and material for containment and cleaning up

Methods for cleaning up: Use appropriate PPE. Sweep or scoop spills, dispose of any unusable material in approved landfill.

SECTION 7: Handling and storage

7.1. Precautions for safe handling

Precautions for safe handling: Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking. Wear personal protective equipment. Use only outdoors or in a well-ventilated area. Avoid breathing dust/fume/gas/mist/vapors/spray. Avoid contact with skin and eyes.

Hygiene measures: Wash contaminated clothing before reuse. Do not eat, drink or smoke when using this product. Always wash hands after handling the product.

7.2. Conditions for safe storage, including any incompatibilities

Storage conditions: Store locked up. Store in a well-ventilated place. Keep container tightly closed. Keep cool. Do not store near heat or open flame.

Incompatible materials: Combustible materials.

SECTION 8: Exposure controls/personal protection

8.1. Control parameters

No additional information available

8.2. Appropriate engineering controls

Appropriate engineering controls: Adequate ventilation systems as needed to control concentrations of airborne contaminants below applicable threshold limit values.

Environmental exposure controls: Avoid release to the environment.

8.3. Individual protection measures/Personal protective equipment

Hand protection:
Protective gloves

Eye protection:
Safety glasses
Skin and body protection:
Wear fire/flame resistant/retardant clothing.

Respiratory protection:
In case of insufficient ventilation, use NIOSH approved respiratory protection.

SECTION 9: Physical and chemical properties

9.1. Information on basic physical and chemical properties

<table>
<thead>
<tr>
<th>Property</th>
<th>Value</th>
</tr>
</thead>
<tbody>
<tr>
<td>Physical state</td>
<td>Solid</td>
</tr>
<tr>
<td>Appearance</td>
<td>Grey powder with black pellets contained in a solid cartridge</td>
</tr>
<tr>
<td>Color</td>
<td>Grey powder with black pellets</td>
</tr>
<tr>
<td>Odor</td>
<td>None</td>
</tr>
<tr>
<td>Odor threshold</td>
<td>No data available</td>
</tr>
<tr>
<td>pH</td>
<td>No data available</td>
</tr>
<tr>
<td>Melting point</td>
<td>No data available</td>
</tr>
<tr>
<td>Freezing point</td>
<td>Not applicable</td>
</tr>
<tr>
<td>Boiling point</td>
<td>No data available</td>
</tr>
<tr>
<td>Flash point</td>
<td>Not applicable</td>
</tr>
<tr>
<td>Relative evaporation rate (butyl acetate=1)</td>
<td>No data available</td>
</tr>
<tr>
<td>Flammability (solid, gas)</td>
<td>Requires source of ignition</td>
</tr>
<tr>
<td>Vapor pressure</td>
<td>No data available</td>
</tr>
<tr>
<td>Relative vapor density at 20 °C</td>
<td>No data available</td>
</tr>
<tr>
<td>Relative density</td>
<td>Not applicable</td>
</tr>
<tr>
<td>Solubility</td>
<td>No data available</td>
</tr>
<tr>
<td>Log Pow</td>
<td>No data available</td>
</tr>
<tr>
<td>Auto-ignition temperature</td>
<td>Not applicable</td>
</tr>
<tr>
<td>Decomposition temperature</td>
<td>No data available</td>
</tr>
<tr>
<td>Viscosity, kinematic</td>
<td>Not applicable</td>
</tr>
<tr>
<td>Viscosity, dynamic</td>
<td>No data available</td>
</tr>
<tr>
<td>Explosion limits</td>
<td>Not applicable</td>
</tr>
<tr>
<td>Explosive properties</td>
<td>Not explosive</td>
</tr>
<tr>
<td>Oxidizing properties</td>
<td>Strong oxidizer. Once ignited by the fuse, this cartridge will burn vigorously until completely spent and is capable of causing severe burns to exposed skin and clothes, and of igniting dry grass, leaves and other combustible materials.</td>
</tr>
</tbody>
</table>

9.2. Other information
No additional information available

SECTION 10: Stability and reactivity

10.1. Reactivity
May cause fire or explosion; strong oxidizer. Product is ignitable - requires ignition source.

10.2. Chemical stability
Stable under normal conditions.

10.3. Possibility of hazardous reactions
No dangerous reactions known under normal conditions of use.

10.4. Conditions to avoid
Avoid contact with hot surfaces. Heat. No flames, no sparks. Eliminate all sources of ignition.

10.5. Incompatible materials
10.6. Hazardous decomposition products
Decomposes upon heating to produce toxic gases including sulfur oxides.

SECTION 11: Toxicological information

11.1. Information on toxicological effects

### Sulfur (7704-34-9)

- **LD50 oral rat**: > 3000 mg/kg
- **LD50 dermal rabbit**: > 2000 mg/kg
- **LC50 inhalation rat (mg/l)**: > 9.23 mg/l/4h

### Potassium nitrate (7757-79-1)

- **LD50 oral rat**: 3015 mg/kg

<table>
<thead>
<tr>
<th>GHS-US Properties</th>
<th>Classification</th>
</tr>
</thead>
<tbody>
<tr>
<td>Acute toxicity (oral)</td>
<td>Not classified</td>
</tr>
<tr>
<td>Acute toxicity (dermal)</td>
<td>Not classified</td>
</tr>
<tr>
<td>Acute toxicity (inhalation)</td>
<td>Not classified</td>
</tr>
<tr>
<td>Skin corrosion/irritation</td>
<td>Causes skin irritation.</td>
</tr>
<tr>
<td>Serious eye damage/irritation</td>
<td>Causes eye irritation.</td>
</tr>
<tr>
<td>Respiratory or skin sensitization</td>
<td>Not classified</td>
</tr>
<tr>
<td>Germ cells mutagen</td>
<td>Not classified</td>
</tr>
<tr>
<td>Carcinogenicity</td>
<td>Not classified</td>
</tr>
<tr>
<td>Reproductive toxicity</td>
<td>Not classified</td>
</tr>
<tr>
<td>Specific target organ toxicant (single exposure)</td>
<td>May cause respiratory irritation.</td>
</tr>
<tr>
<td>Specific target organ toxicant (repeated exposure)</td>
<td>Not classified</td>
</tr>
<tr>
<td>Aspiration hazard</td>
<td>Not classified</td>
</tr>
</tbody>
</table>

#### Potential health effects

**Inhalation**
- **Acute**: Under normal conditions of use, no health effects are expected however if inhaled once product is ignited, may cause respiratory irritation. May be harmful if inhaled.

**Skin**
- **Acute**: Under normal conditions of use, no health effects are expected however if skin contact occurs once product is ignited, may cause skin irritation.

**Eye**
- **Acute**: Under normal conditions of use, no health effects are expected however if eye contact occurs, once product is ignited, may cause severe eye irritation.

**Ingestion**
- **Acute**: Under normal conditions of use, no health effects are expected.

**Mutagenicity**: Not classified.

**Carcinogenicity**: Not classified.

**Reproductive Effects**: Not classified.

SECTION 12: Ecological information

12.1. Toxicity

### Sulfur (7704-34-9)

- **LC50 Acute fish 1**: 866 mg/l (Exposure time: 96 h - Species: Brachydanio rerio [static])
- **LC50 Acute fish 2**: < 14 mg/l (Exposure time: 96 h - Species: Lepomis macrochirus [static])
- **LC50 Acute fish 3**: > 180 mg/l (Exposure time: 96 h - Species: Oncorhynchus mykiss [static])

12.2. Persistence and degradability

No additional information available

12.3. Bioaccumulative potential

No additional information available
12.4. Mobility in soil
No additional information available

12.5. Other adverse effects

<table>
<thead>
<tr>
<th>AMDRO Gopher Gasser</th>
<th></th>
</tr>
</thead>
<tbody>
<tr>
<td>Ecological Fate</td>
<td>This product is highly toxic to wildlife.</td>
</tr>
</tbody>
</table>

SECTION 13: Disposal considerations

13.1. Disposal methods
Product/Packaging disposal recommendations: Dispose of content and/or container in accordance with local, regional, national, and/or international regulations.

SECTION 14: Transport information

<table>
<thead>
<tr>
<th>UN number</th>
<th>Proper Shipping Name</th>
<th>Transport hazard class(es)</th>
<th>Packing group</th>
<th>Environmental hazards</th>
</tr>
</thead>
<tbody>
<tr>
<td>DOT UN1479</td>
<td>Oxidizing solid, n.o.s. (contains potassium nitrate)</td>
<td>5.1</td>
<td>II</td>
<td>Not applicable</td>
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<tr>
<td>IMDG UN1479</td>
<td>Oxidizing solid, n.o.s. (contains potassium nitrate)</td>
<td>5.1</td>
<td>II</td>
<td>Not applicable</td>
</tr>
<tr>
<td>IATA UN1479</td>
<td>Oxidizing solid, n.o.s. (contains potassium nitrate)</td>
<td>5.1</td>
<td>II</td>
<td>Not applicable</td>
</tr>
</tbody>
</table>

SECTION 15: Regulatory information

15.1. US Federal regulations

Sulfur (7704-34-9)
Listed on the United States TSCA (Toxic Substances Control Act) inventory

Potassium nitrate (7757-79-1)
Listed on the United States TSCA (Toxic Substances Control Act) inventory

FIFRA Labelling

EPA Registration Number 73342-8
This chemical is a pesticide product registered by the United States Environmental Protection Agency and is subject to certain labeling requirements under federal pesticide law. These requirements differ from the classification criteria and hazard information required for safety data sheets (SDS), and for workplace labels of non-pesticide chemicals. The hazard information required on the pesticide label is reproduced below. The pesticide label also includes other important information, including directions for use.

FIFRA Signal word Warning
FIFRA Precautionary Statement KEEP OUT OF REACH OF CHILDREN.
FIFRA Hazards to Humans and Domestic Animals HAZARDS TO HUMANS & DOMESTIC ANIMALS WARNING: Causes eye irritation. Harmful if absorbed through skin. Avoid contact with eyes, skin or clothing. Wash thoroughly with soap and water after handling. After ignition, cartridge produces toxic gases. Fumes may be harmful if inhaled.
FIFRA First Aid If on skin or clothing: • Take off contaminated clothing. • Rinse skin immediately with plenty of water for 15 - 20 minutes. • Call a poison control center or doctor immediately for treatment advice. If inhaled: • Move person to fresh air. • If person is not breathing, call 911 or an ambulance, then give artificial respiration, preferably by mouth-to-mouth, if possible. • Call a poison control center or doctor immediately for further treatment advice. If in eyes: • Hold eye open and rinse slowly and gently with water for 15 - 20 minutes. • Remove contact lenses, if present, after the first 5 minutes, then continue rinsing. • Call a poison control center or doctor immediately for treatment advice.
FIFRA Environmental Hazards This product is highly toxic to wildlife. Check all burrows for signs of non-target species. If present, do not treat burrows. See Insert for complete “ENVIRONMENTAL HAZARDS” text, including the “Endangered Species Considerations”.
FIFRA Physical Hazard Once ignited by the fuse, this cartridge will burn vigorously until completely spent and is capable of causing severe burns to exposed skin and clothes, and of igniting dry grass, leaves and other combustible materials

15.2. US State regulations
No additional information available
### SECTION 16: Other information

<table>
<thead>
<tr>
<th>Date of issue</th>
<th>06 August 2014</th>
</tr>
</thead>
<tbody>
<tr>
<td>Revision date</td>
<td>15 August 2019</td>
</tr>
<tr>
<td>Supersedes</td>
<td>06 December 2019</td>
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</tbody>
</table>

Indication of changes:

Sec. 14: Updated transportation description. Revised Sec. 3: Mixture classification change.

SDS US (GHS HazCom 2012) - CGP

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