

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

Explosive Category 1.4	Fire or projection hazard
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) :  
 GHS01 GHS07

Signal word (GHS US) : Warning

Hazard statements (GHS US) : Fire or projection hazard
 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.
 Ground/Bond container and receiving equipment.
 Do not subject to grinding/shock/friction.
 Avoid breathing dust/fume/gas/mist/vapours/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.
 Specific treatment (see supplemental first aid instruction on this label).
 If skin irritation occurs: Get medical advice/attention.
 If eye irritation persists: Get medical advice/attention.

AMDRO Gopher Gasser

Safety Data Sheet

Take off contaminated clothing and wash it before reuse.
In case of fire: Evacuate area.
Explosion risk in case of fire.
DO NOT fight fire when fire reaches explosives.
Fight fire with normal precautions from a reasonable distance.
Store in accordance with local regulations on explosives.
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

Name	Product identifier	%
Sulfur	(CAS-No.) 7704-34-9	45
Potassium nitrate	(CAS-No.) 7757-79-1	45
Non-hazardous and/or does not meet criteria for classification	(CAS-No.) N/A	Balance

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 : Causes skin irritation.
Symptoms/effects after eye contact : Causes 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.
Explosion hazard : Product designed or packaged in such a manner that when involved in a fire may burn vigorously with localized detonations and projection of fragments. Effects are usually confined to immediate vicinity of packages.
Reactivity : May cause fire or explosion; strong oxidizer. Product is ignitable - requires ignition source.

AMDRO Gopher Gasser

Safety Data Sheet

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/vapours/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. As an immediate precautionary measure, isolate spill or leak area for at least 50 meters (150 feet) in all directions. Stay upwind. Wear appropriate personal protective equipment, avoid direct contact.

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/vapours/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 : Heat, sparks, open flame. Strong oxidizers.

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

AMDRO Gopher Gasser

Safety Data Sheet

Skin and body protection:

Wear fire/flammable 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

Physical state	: Solid
Appearance	: Grey powder with black pellets contained in a solid cartridge
Color	: Grey powder with black pellets
Odor	: None
Odor threshold	: No data available
pH	: No data available
Melting point	: No data available
Freezing point	: Not applicable
Boiling point	: No data available
Flash point	: Not applicable
Relative evaporation rate (butyl acetate=1)	: No data available
Flammability (solid, gas)	: Requires source of ignition
Vapor pressure	: No data available
Relative vapor density at 20 °C	: No data available
Relative density	: Not applicable
Solubility	: No data available
Partition coefficient n-octanol/water (Log Pow)	: No data available
Auto-ignition temperature	: Not applicable
Decomposition temperature	: No data available
Viscosity, kinematic	: Not applicable
Viscosity, dynamic	: No data available
Explosion limits	: Not applicable
Explosive properties	: Heating may cause an explosion
Oxidizing properties	: 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.

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

Hazardous polymerization will not occur. Product designed or packaged in such a manner that when involved in a fire may burn vigorously with localized detonations and projection of fragments. Effects are usually confined to immediate vicinity of packages.

10.4. Conditions to avoid

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

10.5. Incompatible materials

Combustible materials. Heat. reducing agents and easily oxidizable materials.

AMDRO Gopher Gasser

Safety Data Sheet

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

GHS-US Properties	Classification
Acute toxicity (oral)	Not classified
Acute toxicity (dermal)	Not classified
Acute toxicity (inhalation)	Not classified
Skin corrosion/irritation	Causes skin irritation.
Serious eye damage/irritation	Causes eye irritation.
Respiratory or skin sensitization	Not classified
Germ cell mutagenicity	Not classified
Carcinogenicity	Not classified
Reproductive toxicity	Not classified
Specific target organ toxicity (single exposure)	May cause respiratory irritation.
Specific target organ toxicity (repeated exposure)	Not classified
Aspiration hazard	Not classified

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

AMDRO Gopher Gasser

Safety Data Sheet

12.4. Mobility in soil

No additional information available

12.5. Other adverse effects

AMDRO Gopher Gasser

Ecological Fate	This product is highly toxic to wildlife.
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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

	UN number	Proper Shipping Name	Transport hazard class(es)	Packing group	Environmental hazards
DOT	UN0432	Articles, pyrotechnic for technical purposes	1.4S	Not applicable	Not applicable
IMDG	UN0432	Articles, pyrotechnic for technical purposes	1.4S	Not applicable	Not applicable
IATA	UN0432	Articles, pyrotechnic for technical purposes	1.4S	Not applicable	Not applicable

Other Information : In accordance with 49 CFR 173.56, EX Approval Number: EX2020062121

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
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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

AMDRO Gopher Gasser

Safety Data Sheet

SECTION 16: Other information

Date of issue : 06 August 2014
Revision date : 06 August 2020
Supersedes : 06 December 2019

Indication of changes:

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

SDS US (GHS HazCom 2012) - CGP

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