

SECTION 1: Identification of the substance/mixture and of the company/undertaking**1.1. Product identifier**

Product name : The Giant Destroyer
 Product code :

1.2. Relevant identified uses of the substance or mixture and uses advised against

Use of the substance/mixture : Rodenticide

1.3. Details of the supplier of the safety data sheet

Atlas Chemical Corporation
 118 3rd Avenue SE #435
 Cedar Rapids, IA 52401, USA
 Telephone Number: (319) 377-8921
 Website: www.thegiantdestroyer.com
 Email: atlaschemicalco@imonmail.com

1.4. Emergency telephone numbers (24 hour)

Medical
 Spills : CHEMTREC - 1 (800) 424-9300 and/or 1 (703) 527-3887

SECTION 2: Hazards identification**2.1. Classification of the substance or mixture****Classification (GHS-US)**

Acute toxicity - Oral 4 H302

2.2. Label elements**GHS-US labeling**

Hazard pictograms (GHS-US) :



Signal word (GHS-US) : Warning
 Hazard statements (GHS-US) : H302 - Harmful if swallowed.
 Precautionary statements General :
 Read label before use.
 Keep out of reach of children.
 If medical advice is needed, have product container or label at hand.
 Prevention (GHS-US) P264 - Wash thoroughly after handling.
 P270 - Do not eat, drink, or smoke when using this product.
 Response (GHS-US) P301 + P317 - IF SWALLOWED: Get medical help.
 P330 - Rinse mouth.
 Storage/Disposal (GHS-US) P501 - Dispose of contents/container in accordance with local/national regulations.

2.3. Other hazards

After ignition, cartridge produces toxic gases such as oxides of sulfur and carbon monoxide.

SECTION 3: Composition/information on ingredients**Mixture**

Name	Product identifier (CAS No)	%
Sodium nitrate	7631-99-4	≥50 - <75
sulfur	7704-34-9	≥35 - <50
Carbon (wood charcoal)	7440-44-0	≥5 - <10

Comments: Ingredients not identified are proprietary or non-hazardous. The exact percentage (concentration) of composition has been withheld as a trade secret or is due to batch variation.

There are no additional ingredients present which, within the current knowledge of the supplier and in the concentrations applicable, are classified as hazardous to health or the environment and hence require reporting in this section.

Occupational exposure limits, if available, are listed in Section 8.

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SECTION 4: First aid measures

4.1. Description of first aid measures

- First-aid measures general : Never give anything by mouth to an unconscious person. If you feel unwell, seek medical advice (show the label where possible).
- First-aid measures after inhalation : Remove victim to fresh air and keep at rest in a position comfortable for breathing. If not breathing, if breathing is irregular or if respiratory arrest occurs, provide artificial respiration or oxygen by trained personnel. It may be dangerous to the person providing aid to give mouth-to-mouth resuscitation. Get medical attention if adverse health effects persist or are severe. If unconscious, place in recovery position and get medical attention immediately. Maintain an open airway. Loosen tight clothing such as a collar, tie, belt or waistband. In case of inhalation of decomposition products in a fire, symptoms may be delayed. The exposed person may need to be kept under medical surveillance for 48 hours.
- First-aid measures after skin contact : Flush contaminated skin with plenty of water. Remove contaminated clothing and shoes. Get medical attention if symptoms occur. Wash clothing before reuse. Clean shoes thoroughly before reuse.
- First-aid measures after eye contact : Immediately flush eyes with plenty of water, occasionally lifting the upper and lower eyelids. Check for and remove any contact lenses. Continue to rinse for at least 10 minutes. Get medical attention if irritation occurs.
- First-aid measures after ingestion : Wash out mouth with water. Remove dentures if any. Remove victim to fresh air and keep at rest in a position comfortable for breathing. If material has been swallowed and the exposed person is conscious, give small quantities of water to drink. Stop if the exposed person feels sick as vomiting may be dangerous. Do not induce vomiting unless directed to do so by medical personnel. If vomiting occurs, the head should be kept low so that vomit does not enter the lungs. Get medical attention. If necessary, call a poison center or physician. Never give anything by mouth to an unconscious person. If unconscious, place in recovery position and get medical attention immediately. Maintain an open airway. Loosen tight clothing such as a collar, tie, belt or waistband.

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

- Potential acute health effects
- Inhalation - Mildly irritating to the lungs.
- Ingestion - Harmful if swallowed.
- Skin contact - No known significant effects or critical hazards.
- Eye contact - Mildly irritating to the eyes.
- Over-exposure signs/symptoms - No specific data.

4.3. Indication of any immediate medical attention and special treatment needed

- Notes to physician : In case of inhalation of decomposition products in a fire, symptoms may be delayed. The exposed person may need to be kept under medical surveillance for 48 hours.
- Specific treatments : No specific treatment.
- Protection of first-aiders : No action shall be taken involving any personal risk or without suitable training. It may be dangerous to the person providing aid to give mouth-to-mouth resuscitation.

SECTION 5: Firefighting measures

5.1. Extinguishing media

- Suitable extinguishing media : Water spray (fog) Foam. Dry powder. Carbon dioxide.
- Unsuitable extinguishing media : Do not use water stream.

5.2. Special hazards arising from the substance or mixture

- 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 or other combustible materials.
- Hazardous thermal decomposition products : Decomposition may include the following materials: carbon dioxide, carbon monoxide, nitrogen oxides, sulfur oxides, metal oxide/oxides.

5.3. Advice for firefighters

- Special protective actions for fire-fighters : Promptly isolate the scene by removing all persons from the vicinity of the incident if there is a fire. No action shall be taken involving any personal risk or without suitable training.
- Special protective equipment for fire-fighters : Fire-fighters should wear appropriate protective equipment and self-contained breathing apparatus (SCBA) with a full face-piece operated in positive pressure mode. Use a Scott Air Pack if fire-fighting in confined areas.

SECTION 6: Accidental release measures

6.1. Personal precautions, protective equipment and emergency procedures

- Emergency procedures : Evacuate unnecessary personnel.

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- For non-emergency personnel : No action shall be taken involving any personal risk or without suitable training. Evacuate surrounding areas. Keep unnecessary and unprotected personnel from entering. Do not touch or walk through spilled material.
- Protective equipment for emergency responders : Equip cleanup crew with proper protection. Provide adequate ventilation. Wear appropriate respirator when ventilation is inadequate. Put on appropriate personal protective equipment. If specialized clothing is required to deal with spillage, take note of any information in Section 8 on suitable and unsuitable materials.

6.2. Environmental precautions

Avoid dispersal of spilled material and runoff and contact with soil, waterways, drains and sewers. Inform the relevant authorities if the product has caused environmental pollution (sewers, waterways, soil or air).

6.3. Methods and material for containment and cleaning up

Move containers from spill area. Approach release from upwind. Prevent entry into sewers, water courses, basements, or confined areas. Avoid dust generation. Do not dry sweep. Vacuum dust with equipment fitted with a HEPA filter and place in a closed, designated, and labeled waste container. Dispose of via a licensed waste disposal contractor. Note: see Section 1 for emergency contact information and Section 13 for waste disposal.

SECTION 7: Handling and storage

7.1. Precautions for safe handling

- Additional hazards when processed : Put on appropriate personal protective equipment (see Section 8). Do not ingest. Avoid contact with eyes, skin, and clothing. If during normal use the material presents a respiratory hazard, use only with adequate ventilation, or wear appropriate respirator. Keep in the original container or an approved alternative made from a compatible material, kept tightly closed when not in use. Empty containers retain product residue and can be hazardous. Do not reuse container.
- Advice on general occupational hygiene : Eating, drinking and smoking should be prohibited in areas where this material is handled, stored and processed. Workers should wash hands and face before eating, drinking and smoking. Remove contaminated clothing and protective equipment before entering eating areas. See also Section 8 for additional information on hygiene measures.

7.2. Conditions for safe storage, including any incompatibilities

Store in accordance with local regulations. Store in original container protected from direct sunlight in a dry, cool, and well-ventilated area, away from incompatible materials (see Section 10) and food and drink. Keep container tightly closed and sealed until ready for use. Containers that have been opened must be carefully resealed. Do not store in unlabeled containers. Use appropriate containment to avoid environmental contamination.

SECTION 8: Exposure controls/personal protection

8.1. Control parameters

Occupational exposure limits

Sodium nitrate - None

Carbon monoxide - [Air contaminant - Product use]

ACGIH TLV (United States, 4/2014). TWA: 25 ppm 8 hours, TWA: 29 mg/m³ 8 hours.

OSHA PEL 1989 (United States, 3/1989). TWA: 35 ppm 8 hours. TWA: 40 mg/m³ 8 hours. CEIL: 200 ppm CEIL: 229 mg/m³

NIOSH REL (United States, 10/2013). TWA: 35 ppm 10 hours. TWA: 40 mg/m³ 10 hours. CEIL: 200 ppm CEIL: 229 mg/m³

OSHA PEL (United States, 2/2013). TWA: 50 ppm 8 hours. TWA: 55 mg/m³ 8 hours.

Sulfur dioxide - [Air contaminant - Product use]

ACGIH TLV (United States, 4/2014). STEL: 0.25 ppm 15 minutes.

OSHA PEL 1989 (United States, 3/1989). TWA: 2 ppm 8 hours. TWA: 5 mg/m³ 8 hours. STEL: 5 ppm 15 minutes. STEL: 10 mg/m³ 15 minutes.

NIOSH REL (United States, 10/2013). TWA: 2 ppm 10 hours. TWA: 5 mg/m³ 10 hours. STEL: 5 ppm 15 minutes. STEL: 13 mg/m³ 15 minutes.

OSHA PEL (United States, 2/2013). TWA: 5 ppm 8 hours. TWA: 13 mg/m³ 8 hours.

- Appropriate engineering controls : Good general ventilation should be sufficient to control worker exposure to airborne contaminants.
- Environmental exposure controls : Emissions from ventilation or work process equipment should be checked to ensure they comply with the requirements of environmental protection legislation. In some cases, fume scrubbers, filters or engineering modifications to the process equipment will be necessary to reduce emissions to acceptable levels.

8.2. Individual protection measures

- Hygiene measures : Wash hands, forearms and face thoroughly after handling chemical products, before eating, smoking and using the lavatory and at the end of the working period. Appropriate techniques should be used to remove potentially contaminated clothing. Wash contaminated clothing before reusing. Ensure that eyewash stations and safety showers are close to the workstation location.
- Eye/face protection : Safety eyewear complying with an approved standard should be used when a risk assessment indicates this is necessary to avoid exposure to liquid splashes, mists, gases or dusts. If contact is possible, the following protection should be worn, unless the assessment indicates a higher degree of protection: safety glasses with side-shields.

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Hand protection	: Chemical-resistant, impervious gloves complying with an approved standard should be worn at all times when handling chemical products if a risk assessment indicates this is necessary. Considering the parameters specified by the glove manufacturer, check during use that the gloves are still retaining their protective properties. It should be noted that the time to breakthrough for any glove material may be different for different glove manufacturers. In the case of mixtures, consisting of several substances, the protection time of the gloves cannot be accurately estimated.
Body protection	: Personal protective equipment for the body should be selected based on the task being performed and the risks involved and should be approved by a specialist before handling this product.
Other skin protection	: Appropriate footwear and any additional skin protection measures should be selected based on the task being performed and the risks involved and should be approved by a specialist before handling this product.
Respiratory protection	: Use a properly fitted, particulate filter respirator complying with an approved standard if a risk assessment indicates this is necessary. Respirator selection must be based on known or anticipated exposure levels, the hazards of the product and the safe working limits of the selected respirator. Ensure an MSHA/NIOSH-approved respirator or equivalent is used.

SECTION 9: Physical and chemical properties

9.1. Information on basic physical and chemical properties

Physical state	: Solid
Color	: Medium gray
Odor	: Not available
Odor threshold	: Not available
pH	: Not available
Melting point	: 113°C (235.4°F)
Boiling point	: Not available
Flash point	: Closed Cup; 207.22 °C (405°F)
Auto-ignition temperature	: >204.44°C (>400°F)
Decomposition temperature	: No data available
Relative density	: 2
Solubility in water	: 56.5

SECTION 10: Stability and reactivity

10.1. Reactivity

No specific test data related to reactivity available for this product or its ingredients.

10.2. Chemical stability

Stable under normal conditions.

10.3. Possibility of hazardous reactions

Under normal conditions of storage and use, hazardous reactions will not occur. Under normal conditions of storage and use, hazardous polymerization will not occur.

10.4. Conditions to avoid

No specific data. Extremely high temperatures. Sparks.

10.5. Incompatible materials

Oxidizing agents.

10.6. Hazardous decomposition products

After ignition, cartridge produces toxic gases such as oxides of sulfur and carbon monoxide.

SECTION 11: Toxicological information

11.1. Information on toxicological effects

Acute Toxicity - sodium nitrate LD50 Oral (Rat) 1267 mg/kg

Irritation/Corrosion - Not available.

Sensitization - Not available

Mutagenicity - Not available

Carcinogenicity - Not available

Reproductive toxicity - Not available

Teratogenicity - Not available.

Specific target organ toxicity (single exposure) - Not available

Specific target organ toxicity (repeated exposure) - Not available

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Aspiration hazard - Not available

Information on the likely routes of exposure: Routes of entry anticipated: Oral, Dermal, Inhalation.

Potential Acute Health effects

Eye contact - Mildly irritating to the eyes

Inhalation - Mildly irritating to the lungs

Skin contact - No known significant effects or critical hazards

Ingestion - Harmful if swallowed.

11.2. Symptoms related to the physical, chemical and toxicological characteristics

No specific data.

11.3. Delayed and immediate effects and also chronic effects from short and long term exposure

Not available

11.4. Numerical measures of toxicity

Acute Toxicity Estimates - Oral route - ATE value 1292.3 mg/kg

SECTION 12: Ecological information

12.1. Toxicity

Sodium Nitrate		
Result	Species	Exposure
Acute EC50 522 mg/l Fresh water	Fish - Pimephales promelas	96 hours
Acute LC50 161 mg/l Fresh water	Crustaceans - Hyalella azteca - Adult	48 hours
Acute LC50 323 mg/l Fresh water	Daphnia - Daphnia magna - Neonate	48 hours
Chronic NOEC 1.6 mg/l Fresh water	Fish - Coregonus clupeaformis - Embryo	120 days

12.2. Persistence and degradability

Not available.

12.3. Bioaccumulative potential

Not available.

12.4. Mobility in soil

Not available.

12.5. Other adverse effects

Other information : No known significant effects or critical hazards.

SECTION 13: Disposal considerations

13.1. Disposal methods

The generation of waste should be avoided or minimized wherever possible. Disposal of this product, solutions and any by-products should at all times comply with the requirements of environmental protection and waste disposal legislation and any federal, state and regional local authority requirements. Dispose of surplus and non-recyclable products via a licensed waste disposal contractor. Waste should not be disposed of untreated to the sewer unless fully compliant with the requirements of all authorities with jurisdiction. Waste packaging should be recycled. Incineration or landfill should only be considered when recycling is not feasible. This material and its container must be disposed of in a safe way. Care should be taken when handling emptied containers that have not been cleaned or rinsed out. Empty containers or liners may retain some product residues. Avoid dispersal of spilled material and runoff and contact with soil, waterways, drains and sewers.

SECTION 14: Transport information

The Giant Destroyer Mole and Gopher Gassers, EX2021052085

Articles, pyrotechnic for technical purposes, UN0432, 1.4S

SECTION 15: Regulatory information

15.1. US Federal regulations

TSCA 8(a) CDR Exempt/Partial exemption: Not determined

United States inventory (TSCA 8b): All components are listed or exempted.

FIFRA Information: This chemical is a pesticide product registered by the 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, and for workplace labels of non-pesticide chemicals. Following is the hazard information as required on the pesticide label:

WARNING

Causes eye irritation. After ignition cartridge produces toxic gases such as oxides of sulfur and carbon monoxide. Fumes from ignited cartridge may be harmful if inhaled. Avoid contact with eyes, skin or clothing. Avoid breathing fumes. Wash thoroughly with soap and water after handling.

ENVIRONMENTAL HAZARDS

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This product is highly toxic to wildlife. Check all burrows for signs of non-target species. If present, do not treat burrows. See Package Insert label for complete Environmental Hazards text, including Endangered Species Considerations.

CHEMICAL HAZARDS

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 or other combustible materials.

SARA 304 RQ : Not applicable

SARA 311/312

SARA 313

	Product name	CAS number	%
Form R - Reporting requirements	sodium nitrate	7631-99-4	≥50 - <75
Supplier notification	sodium nitrate	7631-99-4	≥50 - <75

SARA 313 notifications must not be detached from the SDS and any copying and redistribution of the SDS shall include copying and redistribution of the notice attached to copies of the SDS subsequently redistributed.

15.2. US State regulations

California Proposition 65: This product does not contain any Proposition 65 chemicals

Massachusetts : The following components are listed: SODIUM NITRATE; SULFUR

New York: : None of the components are listed.

New Jersey : The following components are listed: SULFUR

Pennsylvania : The following components are listed: NITRIC ACID SODIUM SALT; SULFUR

SECTION 16: Other information

Key to abbreviations : ATE = Acute Toxicity Estimate
BCF = Bioconcentration Factor
GHS = Globally Harmonized System of Classification and Labelling of Chemicals

SDS US (GHS HazCom 2012) - Pesticides

This information is based on our current knowledge and is intended to describe the product for the purposes of health, safety and environmental requirements only. It should not therefore be construed as guaranteeing any specific property of the product.