

SAFETY DATA SHEET

Section 1: Identification

Product Name: HGV Growth and Flowering Base Formula

Company: HGV Opco LLC

In emergency call 911.

For information about this SDS, use this department contact phone#: 360-901-8592

Section 2: Hazard(s) Identification

Hazard Classification: ACUTE TOXICITY oral - Category 4
SERIOUS EYE DAMAGE - Category 1

Signal Word(s): Danger

Hazard Statements: H302 Harmful if swallowed.
H318 Causes serious eye damage

Pictograms:



Precautionary Statements: P280 Wear protective gloves and eye protection.
P270 Do not eat, drink or smoke when using this product.
P264-a Wash hands thoroughly after handling.
P305 IF IN EYES:
P351 Rinse cautiously with water for several minutes.
P338 Remove contact lenses, if present and easy to do. Continue rinsing.
P310 Immediately call a POISON CENTER or doctor/physician.
P301 IF SWALLOWED:
P312 Call a POISON CENTER or doctor/physician if you feel unwell.
P330 Rinse mouth

Chemical Name	Synonym	CAS#	Conc.
Calcium Nitrate		10124-37-5	Proprietary

Any concentration shown as a range is to protect confidentiality 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

Section 4: First-Aid Measures

After skin contact: Wash with soap and water. Get medical attention if irritation develops.

After eye contact: Immediately flush eyes with running water for at least 15 minutes, keeping eyelids open. Check for and remove any contact lenses. Get medical attention immediately.

After inhalation: If inhaled, remove to fresh air. In case of inhalation of decomposition products in a fire, symptoms may be delayed. Get medical attention immediately. The exposed person may need to be kept under medical surveillance for 48 hours. If it is suspected that fumes are still present, the rescuer should wear an appropriate mask or self-contained breathing apparatus.

After swallowing: Wash out mouth with water. If material has been swallowed and the exposed person is conscious, give small quantities of water to drink. Do not induce vomiting unless directed to do so by medical personnel. Get medical attention if you feel unwell.

Section 5: Fire-Fighting Measures

Suitable extinguishing agents: Use flooding quantities of water for extinction.

Unsuitable extinguishing media: Do NOT use chemical extinguisher or foam or attempt to smother the fire with steam or sand.

Specific hazards arising from the chemical: The product itself is not combustible but it can support combustion, even in absence of air. On heating it melts, and further heating can cause decomposition, releasing toxic fumes containing nitrogen oxides and ammonia.

Hazardous thermal decomposition products: Decomposition products may include the following materials: nitrogen oxides, metal oxide/oxides, ammonia, avoid breathing dusts, vapors or fumes from burning materials., In case of inhalation of decomposition products in a fire, symptoms may be delayed

Special protective equipment for firefighters: Fire-fighters should wear appropriate protective equipment and self-contained breathing apparatus (SCBA) with a full face-piece operated in positive pressure mode

Section 6: Accidental Release Measures

Personal precautions: 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. Provide adequate ventilation. Wear appropriate respirator when ventilation is inadequate. Put on appropriate personal protective equipment (see Section 8).

For emergency responders: If specialized clothing is required to deal with the spillage, take note of any information in Section 8 on suitable and unsuitable materials. See also the information in "For non-emergency personnel".

Measures for environmental protection: 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).

Measures for cleaning/collecting: Move containers from spill area. Avoid dust generation. Using a vacuum with HEPA filter will reduce dust dispersal. Place spilled material in a designated, labeled waste container. Dispose of via a licensed waste disposal contractor. Large spill: 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, 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

Handling: Not for human or animal consumption

Storage: 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. Store locked up. Keep container tightly closed and sealed until ready for use. Containers that have been opened must be carefully resealed and kept upright to prevent leakage. Do not store in unlabeled containers. Use appropriate containment to avoid environmental contamination.

Keep away from: organic materials, oil and grease

Section 8: Exposure Controls/Personal Protection

Occupational exposure limits: None

General protective and hygienic measures: Put on appropriate personal protective equipment (see Section 8). Do not get in eyes or on skin or clothing. Do not ingest. 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

Breathing equipment: In case of inadequate ventilation wear respiratory protection.

Protection of hands: Chemical-resistant, impervious gloves complying with an approved standard should be always worn when handling chemical products if a risk assessment indicates this is necessary. For general applications, we recommend gloves with a thickness typically greater than 0.35 mm. It should be emphasized that glove thickness is not necessarily a good predictor of glove resistance to a specific chemical, as the permeation efficiency of the glove will be dependent on the exact composition of the glove material.

Eye 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. Chemical splash goggles and/or face shield. If inhalation hazards exist, a full-face respirator may be required instead.

Section 9: Physical and Chemical Properties

Form: Solid [prills]

Odor: Odorless.

Odor threshold: Not determined

pH: 5-7

Melting point/melting range: 400 c

Boiling point/boiling range: Not determined

Flash point: Not determined

Evaporation rate: Not determined

Flammability: Not flammable

Upper/lower flammability or explosive limits: Not determined

Auto ignition temperature: Not determined

Danger of explosion: None

Vapor pressure: Not determined

Vapor density: Not determined

Relative density: 2.05

Solubility in/Miscibility with water: > 100 g/l

Section 10: Stability and Reactivity

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

Chemical stability: The product is stable.

Conditions to avoid: Avoid contamination by any source including metals, dust, and organic materials.

Incompatible materials: Alkali's, combustible materials, reducing materials, organic materials, Acids

Hazardous decomposition products: Under normal conditions of storage and use, hazardous decomposition products should not be produced.

Section 11: Toxicological Information

Acute toxicity

Product/ingredient name	Method	Species	Result	Exposure	References
Calcium nitrate					
OECD 423 LD50 Oral	Rat - Female	500 mg/kg	Not applicable.		CSR
OECD 402 LD50 Dermal	Rat	2,000 - 5,000 mg/kg	Not applicable.		

Conclusion/Summary

:

Harmful if swallowed.

Irritation/Corrosion

Product/ingredient name	Method	Species	Result	Exposure	References
Calcium nitrate					
OECD 405 Eyes	Rabbit	Severe irritant		24 - 72 h	CSR

Potential routes of exposure/potential health effects

Skin: No known significant effects or critical hazards

Eye: Causes serious eye damage.

Inhalation: No known significant effects or critical hazards.

Ingestion: Harmful if swallowed. May cause burns to mouth, throat and stomach.

Carcinogenic effects: No known significant effects or critical hazards.

Mutagenic effects: No known significant effects or critical hazards.

Reproductive toxicity: No known significant effects or critical hazards.

Sensitization: No known significant effects or critical hazards.

Target organs: No known significant effects or critical hazards.

Section 12: Ecological Information (non-mandatory)

Ecotoxicity: No known significant effects or critical hazards.

Mobility: No known significant effects or critical hazards.

Biodegradation: No known significant effects or critical hazards.

Bioaccumulation: No known significant effects or critical hazards.

Section 13: Disposal Considerations (non-mandatory)

The generation of waste should be avoided or minimized wherever possible. Disposal of this product, solutions and any by-products should always comply with the requirements of environmental protection and waste disposal legislation and any 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 (non-mandatory)

DOT regulations: Not regulated

- **Hazard class:** Not applicable
- **Land transport ADR/RID (cross-border):** Not applicable
- **ADR/RID class:** Not applicable
- **Maritime transport IMDG:** Not applicable

Air transport ICAO-TI and IATA-DGR: Not regulated

- **ICAO/IATA Class:** Not applicable

Section 15: Regulatory Information (non-mandatory)

US Federal Regulations

SARA Section 355 (extremely hazardous substances):

SARA Section 313 (specific toxic chemical listings):

Clean Air Act, Section 112 Hazardous Air Pollutants (HAPs):

TSCA (Toxic Substances Control Act):

Section 16: Other Information

SDS date of preparation/update: 11/08/2021