Safety Data Sheet
acc. to OSHA HCS

Printing date 04/28/2025 Version number 1 Reviewed on 04/28/2025

1 Identification

Product identifier

Product name: HGV Base 3-0-0

Application of the substance / the mixture Fertilizer
Uses advised against None

Details of the supplier of the safety data sheet

Manufacturer/Supplier:
HGV Opco LLC
500 Orient Street, Suite 150
Chico, CA 95928
(213) 669-6877

Emergency telephone number Chemtrec 1-800-424-9300 CCN: 1014486

2 Hazard(s) identification

Classification of the substance or mixture


GHS05

Eye Damage 1 H318 Causes serious eye damage.

Label elements

GHS label elements The product is classified and labeled according to the Globally Harmonized System (GHS).
Hazard pictograms


GHS05

Signal word Danger
Hazard-determining components of labeling:
Nitric acid, ammonium calcium salt
Hazard statements
H318 Causes serious eye damage.
Precautionary statements

P260	Do not breathe mist/vapours/spray.
P264	Wash thoroughly after handling.
P270	Do not eat, drink or smoke when using this product.
P280	Wear protective gloves/protective clothing/eye protection/face protection.

(Contd. on page 2)

P301+P312	If swallowed: Call a poison center/doctor if you feel unwell.
P301+P330+P331	If swallowed: Rinse mouth. Do NOT induce vomiting.
P303+P361+P353	IF ON SKIN (or hair): Take off immediately all contaminated clothing. Rinse skin with water or shower.
P304+P340	IF INHALED: Remove person to fresh air and keep comfortable for breathing.
P305+P351+P338	If in eyes: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.
P310	Immediately call a poison center/doctor.
P363	Wash contaminated clothing before reuse.
P405	Store locked up.

Other hazards Product forms slippery surface when combined with water.

Results of PBT and vPvB assessment The components in this formulation do not meet the criteria for classification as PBT or vPvB.

PBT: Not applicable.

vPvB: Not applicable.

Classification according to (d)(1)(ii) of § 1910.12000

The SDS issuer does not object to the classifications provided by importers or manufacturers of precursor products.

Hazards not otherwise classified

There are no adverse physical or health effects known that are not covered by the hazard classes of the Hazard Communications Standard.

3 Composition/information on ingredients

Components:

CAS: 7732-18-5	Water		Trade Secret%
CAS: 15245-12-2	Nitric acid, ammonium calcium salt	Eye Damage 1, H318 Acute Toxicity - Oral 4, H302	Trade Secret%

Additional information:

In accordance with paragraph (i) of §1910.1200, the exact percentage (concentration) of composition of the mixture ingredients has been withheld as a trade secret.

4 First-aid measures

Description of first aid measures

After inhalation:

IF INHALED: Remove person to fresh air and keep comfortable for breathing.

Get medical advice/attention if you feel unwell.

After skin contact:

If on skin (or hair): Take off immediately all contaminated clothing. Rinse skin with water/shower.

If on skin: Wash with plenty of soap and water.

Wash contaminated clothing before reuse.

If skin irritation or rash occurs: Get medical advice/attention.

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/attention.

After swallowing:

Rinse mouth.

Do NOT induce vomiting.

If swallowed: Call a poison center/doctor if you feel unwell.

Most important symptoms and effects, both acute and delayed

Any additional important symptoms and effects are described in Section 11: Toxicological Information.

(Contd. on page 3)

Indication of any immediate medical attention and special treatment needed First Aid, decontamination, treatment of symptoms.

5 Fire-fighting measures

Extinguishing media

Suitable extinguishing agents: In case of fire: Use water spray to extinguish.

For safety reasons unsuitable extinguishing agents:

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

Special hazards arising from the substance or mixture

Keep away from heat/sparks/open flames/hot surfaces. - No smoking.

The product itself is not combustible.

Keep away from combustible materials.

Advice for firefighters

Protective equipment: Wear a self-contained breathing apparatus and chemical resistant suit.

Additional information Move undamaged containers from immediate hazard area if it can be done safely.

6 Accidental release measures

Personal precautions, protective equipment and emergency procedures:

Ensure adequate ventilation.

Evacuate area. Use appropriate personal protective equipment (see Section 8). Stop or contain leak at the source and remove sources of ignition, if safe to do so. Keep upwind of spill.

Do not breathe mist/vapours/spray.

Wash thoroughly after handling.

Wear protective gloves/protective clothing/eye protection/face protection.

Environmental precautions: Collect spillage.

Methods and material for containment and cleaning up:

Absorb or cover with dry earth, sand or other non-combustible materials and transfer to clean, dry container. Move containers from spill area.

Reference to other sections

See Section 7 for information on safe handling.

See Section 8 for information on personal protection equipment.

See Section 13 for disposal information.

7 Handling and storage

Precautions for safe handling:

Ensure adequate ventilation.

Do not breathe mist/vapours/spray.

Wear protective gloves/protective clothing/eye protection/face protection.

Wash thoroughly after handling.

Wash contaminated clothing before reuse.

(Contd. on page 4)

Do not eat, drink or smoke when using this product.
Information about protection against explosions and fires: No special measures required.

Conditions for safe storage, including any incompatibilities

Information about storage in one common storage facility:
Keep away from food, drink and animal feeding stuffs.
Store away from incompatible materials. See Section 10.
Store locked up.
Further information about storage conditions:
Collect spillage.
Dispose of contents/container in accordance with local/regional/national/international regulations.

Specific end use(s) No further relevant information available.

8 Exposure controls/personal protection

Additional information about design of technical systems:

Technical measures and the application of adequate working methods take priority over the use of personal protection equipment.
Use process enclosures, local exhaust ventilation or other engineering controls to keep worker exposure to airborne contaminants below any recommended or statutory limits.

Control parameters

Components with limit values that require monitoring at the workplace:
The product does not contain any relevant quantities of materials with critical values that have to be monitored at the workplace.

Regulatory information
Monitoring of substance concentrations in air at the workplace may be necessary to ensure compliance with official exposure limit values and adequacy of exposure controls. For some substances biological monitoring may also be appropriate. For further information contact the supplier or the competent authorities.

Exposure controls

Personal protective equipment:
General protective and hygienic measures:
Follow good industrial hygiene practices.
Wash thoroughly after handling.
Ensure that washing facilities are available at the work place.
Do not eat, drink or smoke when using this product.
Launder contaminated work clothing separate from regular laundry.

Breathing equipment:
Respiratory protection should be worn when there is a potential to exceed the exposure limit requirements or guidelines. If there are no applicable exposure limit requirements or guidelines, use an approved respirator where indicated by your risk assessment process.

Protection of hands:
Material of gloves chemical resistant gloves

(Contd. on page 5)

Penetration time of glove material
The exact break through time should be determined by the manufacturer of the protective gloves and should be observed.

Eye protection: Chemical goggles or safety glasses with side shields.

Body protection:
Wear protective clothing as necessary to minimize prolonged skin contact. Selection of specific items will depend on task.

9 Physical and chemical properties

Information on basic physical and chemical properties

General Information	
Appearance:	
Form:	Liquid
Color:	Colorless
Odor:	Odorless
Odor threshold:	Not determined.
pH-value:	No data available.
Change in condition	
Melting point/Melting range:	No data available.
Boiling point/Boiling range:	Not determined.
Flash point:	Not applicable.
Flammability (solid, gaseous):	Not applicable.
Auto igniting:	Not applicable.
Decomposition temperature:	Not determined.
Ignition temperature:	Product is not selfigniting.
Danger of explosion:	Product does not present an explosion hazard.
Explosion limits:	
Lower:	Not determined.
Upper:	Not determined.
Oxidizing properties:	No data available.
Vapor pressure:	No data available.
Density:	Not determined.
Relative density:	Not determined.
Vapour density:	Not applicable.
Evaporation rate:	Not determined.
Solubility in / Miscibility with	
Water:	Soluble.
Partition coefficient (n-octanol/water):	Not determined.
Viscosity:	
Dynamic:	Not determined.
Kinematic:	Not determined.

(Contd. on page 6)

Other information No further relevant information available.

10 Stability and reactivity

Reactivity The product is stable under standard conditions (temperature, pressure) of storage and handling.
Chemical stability The product is stable under standard conditions (temperature, pressure) of storage and handling.
Possibility of hazardous reactions No dangerous reactions known under normal conditions of use.
Conditions to avoid Avoid extremely high heat, fire, and active metal.
Incompatible materials:
Combustible/ flammable materials
Alkalis
Reducing agents
Acids
Hazardous decomposition products:
In case of fire, the following can be released:
Nitrogen oxides (NOx)

11 Toxicological information

Information on toxicological effects
Acute toxicity:

LD/LC50 values:		
CAS: 15245-12-2 Nitric acid, ammonium calcium salt		
Oral	LD50	>300-<2,000 mg/kg (rat) (OECD 423)
Dermal	LD50	>2,000 mg/kg (rat)

Skin Corrosion/Irritation: Based on available data, the classification criteria are not met.
Serious eye damage/irritation: Causes serious eye damage.
Sensitization: Based on available data, the classification criteria are not met.
Germ cell mutagenicity: Based on available data, the classification criteria are not met.
Reproductive toxicity: Based on available data, the classification criteria are not met.
STOT-single exposure: Based on available data, the classification criteria are not met.
STOT-repeated exposure: Based on available data, the classification criteria are not met.
Carcinogenic categories

IARC (International Agency for Research on Cancer)
None of the ingredients is listed.

NTP (National Toxicology Program)
None of the ingredients is listed.

OSHA-Ca (Occupational Safety & Health Administration)
None of the ingredients is listed.

Alternative sources for toxicological information No non-standard sources for toxicological information where used.
Additional toxicological information:
Information on likely routes of exposure:
INHALATION: Likely route of exposure, however not hazardous at product concentration.
EYE CONTACT: Likely route of exposure, however not hazardous at product concentration.
SKIN CONTACT: Likely route of exposure, however not hazardous at product concentration.
INGESTION: Likely route of exposure, however not hazardous at product concentration.
Symptoms related to the physical, chemical and toxicological characteristics:
None anticipated.

(Contd. on page 7)

Delayed and immediate effects as well as chronic effects from short and long-term exposure:
None anticipated.
Interactive effects No interactive effects between components are known.

12 Ecological information

Toxicity

Aquatic toxicity:	
CAS: 15245-12-2 Nitric acid, ammonium calcium salt	
EC50	>100 mg/L (Daphnia magna) (48h OECD 202)
	>100 mg/L (Pseudokirchneriella subcapitata) (72h OECD 201)

Persistence and degradability No further relevant information available.
Bioaccumulative potential No further relevant information available.
Mobility in soil No further relevant information available.

Ecotoxical effects:

General notes: Toxic for aquatic organisms.

Results of PBT and vPvB assessment

PBT: Not applicable.
vPvB: Not applicable.

Other adverse effects No further relevant information available.

13 Disposal considerations

Waste treatment methods

Recommendation: Dispose of contents/container in accordance with local/regional/national/international regulations.

Uncleaned packagings:

Recommendation: Disposal must be made according to official regulations.

14 Transport information

UN-Number

DOT, IMDG, IATA Not applicable

UN proper shipping name

DOT, IMDG, IATA Not applicable

Transport hazard class(es)

DOT, IMDG, IATA
Class Not applicable

(Contd. on page 8)

Packing group
DOT, IMDG, IATA Not applicable

Environmental hazards: Not applicable.

Special precautions for user Not applicable.

Transport in bulk according to Annex II of MARPOL73/78 and the IBC Code Not determined

UN "Model Regulation": Not applicable

15 Regulatory information

TSCA (Toxic Substances Control Act): The following substances are listed on the TSCA Inventory:

CAS: 7732-18-5	Water
CAS: 15245-12-2	Nitric acid, ammonium calcium salt

Hazardous Air Pollutants

None of the ingredients is listed.

Proposition 65

Chemicals known to cause cancer:

None of the ingredients is listed.

Chemicals known to cause reproductive toxicity for females:

None of the ingredients is listed.

Chemicals known to cause reproductive toxicity for males:

None of the ingredients is listed.

Chemicals known to cause developmental toxicity:

None of the ingredients is listed.

16 Other information

The above information describes exclusively the safety requirements of the product and is based on our present-day knowledge. The information is intended to give you advice about the safe handling of the product named in this safety data sheet, for storage, processing, transport and disposal. The information cannot be transferred to other products. In the case of mixing the product with other products or in the case of processing, the information on this safety data sheet is not valid for the new made-up material.

Training hints
The product should only be handled by persons, who were informed sufficiently about the nature of the product and about the necessary safety precautions.
Date of preparation / last revision 04/282025 / -

Abbreviations and acronyms:
IMDG: International Maritime Code for Dangerous Goods

(Contd. on page 9)

DOT: US Department of Transportation
IATA: International Air Transport Association
EINECS: European Inventory of Existing Commercial Chemical Substances
ELINCS: European List of Notified Chemical Substances
CAS: Chemical Abstracts Service (division of the American Chemical Society)
LC50: Lethal concentration, 50 percent
LD50: Lethal dose, 50 percent
PBT: Persistent, Bioaccumulative and Toxic
vPvB: very Persistent and very Bioaccumulative
OSHA: Occupational Safety & Health
TLV: Threshold Limit Value
PEL: Permissible Exposure Limit
REL: Recommended Exposure Limit
Acute Toxicity - Oral 4: Acute toxicity – Category 4
Eye Damage 1: Serious eye damage/eye irritation – Category 1

Sources Data arise from reference works and literature.