

Printing date 03/20/2023

1 Identification

Product identifier

Trade name: **HGV Base**

CAS Number:

15245-12-2

EC number:

239-289-5

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

1730 S. Federal Hwy., Suite 274

Delray Beach, FL 33483

1 (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.



GHS07

Acute Toxicity - Oral 4 H302 Harmful if swallowed.

Label elements

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

Hazard pictograms



GHS05



GHS07

Signal word Danger

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Trade name: HGV Base**Hazard-determining components of labeling:**

nitric acid, ammonium calcium salt

Hazard statements

H302 Harmful if swallowed.

H318 Causes serious eye damage.

Precautionary statements

P220 Keep away from combustible materials.

P264 Wash thoroughly after handling.

P270 Do not eat, drink or smoke when using this product.

P280 Wear eye protection / face protection.

P301+P312 If swallowed: Call a poison center/doctor if you feel unwell.

P330 Rinse mouth.

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.

P501 Dispose of contents/container in accordance with local/regional/national/international regulations.

Other hazards Product forms slippery surface when combined with water.**Results of PBT and vPvB assessment** This substance does not meet the criteria for classification as PBT or vPvB.**PBT:** Not applicable.**vPvB:** Not applicable.**3 Composition/information on ingredients****Chemical characterization: Substances****CAS No. Description**

CAS: 15245-12-2 nitric acid, ammonium calcium salt

Identification number(s)**EC number:** 239-289-5**4 First-aid measures****Description of first aid measures****After inhalation:** Get medical advice/attention if you feel unwell.**After skin contact:**

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: Do not induce vomiting; immediately call for medical help.**Most important symptoms and effects, both acute and delayed**

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

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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.

Avoid the generation or accumulation of dust as combustible particles can potentially form explosive mixtures with air.

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.

Environmental precautions: Collect spillage.**Methods and material for containment and cleaning up:**

With a shovel and scoop, place material into clean, dry container. Move containers from spill area. Minimize airborne particulates.

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:**

Point source exhaust recommended to remove airborne dust particles during use. Avoid sources of ignition, e. g. heat, flames or electrostatic charges, or use explosion proof motors where needed. Avoid contact with eyes and repeated or prolonged contact with skin. Wash hands thoroughly after handling. Keep away from food or drinking water.

Ensure adequate ventilation.

Wear personal protective equipment. See section 8.

Prevent formation of dust.

Wash contaminated clothing before reuse.

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Information about protection against explosions and fires:

Control build-up of dust and eliminate sources of ignition, e.g. open flames, sparks, or electrostatic discharges, or use explosion proof motors where needed.

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.

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: Not required.

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.

Additional information: The lists that were valid during the creation were used as basis.

Exposure controls**Personal protective equipment:****General protective and hygienic measures:**

Follow good industrial hygiene practices.

Ensure that washing facilities are available at the work place.

Do not eat, drink or smoke when using this product.

Laundry 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

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Trade name: HGV Base**Penetration time of glove material**

The exact break through time has to be found out by the manufacturer of the protective gloves and has to 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:	Prills
Color:	White
Odor:	Odorless
Odor threshold:	Not determined.

Change in condition

Melting point/Melting range:	169 °C (336.2 °F)
Boiling point/Boiling range:	Undetermined.
Flash point:	Not applicable.
Flammability (solid, gaseous):	Product is not flammable.
Decomposition temperature:	Not determined.
Auto igniting:	Product is not selfigniting.
Danger of explosion:	Product does not present an explosion hazard.
Explosion limits:	
Lower:	Not determined.
Upper:	Not determined.
Vapor pressure:	Not applicable.
Density at 20 °C (68 °F):	1-1.2 g/cm ³ (8.345-10.014 lbs/gal)
Bulk density:	1,000-1,200 kg/m ³
Relative density:	Not determined.
Vapour density:	Not applicable.
Evaporation rate:	Not applicable.
Solubility in / Miscibility with	
Water:	Soluble. >100 g/L
Partition coefficient (n-octanol/water):	Not determined.
Viscosity:	
Dynamic:	Not applicable.
Kinematic:	Not applicable.

Other information

No further relevant information available.

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Trade name: **HGV Base****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**

As the product is supplied it is not capable of dust explosion; however enrichment with fine dust causes risk of dust explosion.

Acts as an oxidizing agent on organic materials such as wood, paper and fats.

Conditions to avoid

Avoid extremely high heat, fire, and active metal.

Avoid the accumulation of dust in the work area.

Incompatible materials:

Combustible/ flammable materials

Alkalis

Reducing agents

Acids

Hazardous decomposition products:

In case of fire, the following can be released:

Nitrogen oxides (NO_x)**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.**Additional toxicological information:****Carcinogenic categories****IARC (International Agency for Research on Cancer)**

Substance is not listed.

NTP (National Toxicology Program)

Substance is not listed.

OSHA-Ca (Occupational Safety & Health Administration)

Substance is not listed.

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.

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Trade name: HGV Base**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.**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.**Ecotoxicological 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

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Trade name: HGV Base**Transport hazard class(es)****DOT, IMDG, IATA****Class** Not applicable**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):**

Substance is listed.

Hazardous Air Pollutants

Substance is not listed.

Proposition 65**Chemicals known to cause cancer:**

Substance is not listed.

Chemicals known to cause reproductive toxicity for females:

Substance is not listed.

Chemicals known to cause reproductive toxicity for males:

Substance is not listed.

Chemicals known to cause developmental toxicity:

Substance is not 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.

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Date of preparation / last revision 10/25/2022 / 03/20/2023**Abbreviations and acronyms:**

IMDG: International Maritime Code for Dangerous Goods

DOT: US Department of Transportation

IATA: International Air Transport Association

EINECS: European Inventory of Existing Commercial 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.
