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 Flower 0-10-26

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 The product is not classified, according to the Globally Harmonized System (GHS).

Label elements
GHS label elements None
Hazard pictograms None
Signal word None
Hazard statements None

Other hazards
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: 7487-88-9	Magnesium Sulfate, n-hydrate	Trade Secret%
CAS: 7778-77-0	Monopotassium phosphate	Trade Secret%
CAS: 7778-80-5	Potassium sulfate	Trade Secret%
CAS: 15708-41-5	Ferric EDTA, Sodium Salt	Trade Secret%
CAS: 10043-35-3	Boric acid Toxic to Reproduction 1B, H360	Trade Secret%

(Contd. on page 2)

CAS: 10034-96-5	Manganese (II) sulfate monohydrate	Trade Secret%
	Specific Target Organ Toxicity - Repeated Exposure 2, H373	

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: 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.
Get medical advice/attention 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.
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.
Dry extinguishing powder
Carbon dioxide
Foam
For safety reasons unsuitable extinguishing agents: None known

Special hazards arising from the substance or mixture The product itself is not combustible.

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.
Electrostatic discharge may trigger a dust explosion if sufficient quantities of combustible particle are suspended in air.

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6 Accidental release measures

Personal precautions, protective equipment and emergency procedures: Ensure adequate ventilation.

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:
Ensure adequate ventilation.
Wear personal protective equipment. See section 8.
Prevent formation of dust.
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.
Further information about storage conditions:
Collect spillage.
Dispose of contents/container in accordance with local/regional/national/international regulations.
Store locked up.

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 following constituents are the only constituents of the product which have a PEL, TLV or other recommended exposure limit.

CAS: 10043-35-3 Boric acid	
TLV	Short-term value: 6* mg/m³ Long-term value: 2* mg/m³ *as inhalable fraction, A4

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CAS: 10034-96-5 Manganese (II) sulfate monohydrate	
PEL	Ceiling limit value: 5 mg/m³ as Mn
REL	Short-term value: 3 mg/m³ Long-term value: 1 mg/m³ as Mn
TLV	Long-term value: 0.02* 0.1** mg/m³ as Mn; A4, *respirable **inhalable fraction

Regulatory information
TLV: Guide to Occupational Exposure Values (ACGIH TLVs)
PEL: Guide to Occupational Exposure Values (OSHA PELs)
REL: Guide to Occupational Exposure Values (NIOSH RELs)

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.
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
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: Safety glasses

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: Granulate

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Color:	Colorless to yellow
Odor:	No characteristic odor
Odor threshold:	Not determined.
pH-value:	Not Applicable
Change in condition	
Melting point/Melting range:	No data available.
Boiling point/Boiling range:	No data available.
Flash point:	Not applicable.
Flammability (solid, gaseous):	Not determined.
Auto igniting:	No data available.
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:	Not applicable.
Density:	Not determined.
Relative density:	Not determined.
Vapour density:	Not applicable.
Evaporation rate:	Not applicable.
Solubility in / Miscibility with	
Water:	Soluble.
Partition coefficient (n-octanol/water):	Not determined.
Viscosity:	
Dynamic:	Not applicable.
Kinematic:	Not applicable.
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.
Avoid the accumulation of dust in the work area.

Incompatible materials: Combustible/ flammable materials

Hazardous decomposition products:

In case of fire, the following can be released:
Nitrogen oxides (NOx)
Phosphorus oxides (POx)

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Sulfur oxides (SOx)

11 Toxicological information

Information on toxicological effects

Acute toxicity:

LD/LC50 values:		
CAS: 7778-77-0 Monopotassium phosphate		
Oral	LD50	>2,000 mg/kg (rat)
Dermal	LD50	>2,000 mg/kg (rab)
CAS: 7778-80-5 Potassium sulfate		
Oral	LD50	>2,000 mg/kg (rat) (OECD 425)
Dermal	LD50	>2,000 mg/kg (rat) (OECD 402)
CAS: 10043-35-3 Boric acid		
Oral	LD50	>2,600 mg/kg (rat)
Dermal	LD50	>2,000 mg/kg (rabbit)
Inhalative	LC50	>2.12 ppm (rat) (4h)

Skin Corrosion/Irritation: Based on available data, the classification criteria are not met.
Serious eye damage/irritation: Based on available data, the classification criteria are not met.
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.
Aspiration hazard: Based on available data, the classification criteria are not met.

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.

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

12 Ecological information

Toxicity

Aquatic toxicity:	
CAS: 7778-77-0 Monopotassium phosphate	
NOEC	200 mg/l mg/L (Hyla chrysoscelis) (15d)

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LC50	92 mg/L (Dreissena polymorphia) (24h)
CAS: 7778-80-5 Potassium sulfate	
EC50	2,700 mg/L (Chlorella vulgaris) (18d)
LC50	720 mg/L (Daphnia magna) (48h)
	680 mg/L (Pimephales promelas) (96h)
CAS: 15708-41-5 Ferric EDTA, Sodium Salt	
NOEC	69.9 mg/L (Pseudokirchneriella subcapitata)
96h LC50	>100 mg/L (Oncorhynchus mykiss)
48h EC50	100.9 mg/L (Daphnia magna)
CAS: 10043-35-3 Boric acid	
EC50	>175 mg/L (activated sludge) (3h)
	66 mg/L (Phaeodactylum tricornutum) (72h)
LC50	102 mg/L (Ceriodaphnia dubia) (48h)

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

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US

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): The following substances are listed on the TSCA Inventory:

CAS: 7487-88-9	Magnesium Sulfate, n-hydrate
CAS: 7778-77-0	Monopotassium phosphate
CAS: 7778-80-5	Potassium sulfate
CAS: 15708-41-5	Ferric EDTA, Sodium Salt
CAS: 10043-35-3	Boric acid

Hazardous Air Pollutants

None of the ingredients is listed.

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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.

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Product name: HGV Flower 0-10-26

Date of preparation / last revision 04/28/2025 / -

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
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
Toxic to Reproduction 1B: Reproductive toxicity – Category 1B
Specific Target Organ Toxicity - Repeated Exposure 2: Specific target organ toxicity (repeated exposure) – Category 2

Sources Data arise from reference works and literature.