



## 1 Identification

### Product identifier

**Product name:** HGV Grow 3-6-22

**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: 7757-79-1	Potassium nitrate	Trade Secret%
	Oxidizing Solids 2, H272	
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%

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CAS: 10043-35-3	Boric acid	Trade Secret%
	Toxic to Reproduction 1B, H360	
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**

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.

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**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.

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.

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**7 Handling and storage****Precautions for safe handling:**

Ensure adequate ventilation.

Wear personal protective equipment. See section 8.

Prevent formation of dust.

Point source exhaust recommended during use. Avoid contact with eyes and repeated or prolonged contact with skin. Wash hands thoroughly after handling. Keep away from food or drinking water.

**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.

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.

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**Product name: HGV Grow 3-6-22****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.

<b>CAS: 10043-35-3 Boric acid</b>	
TLV	Short-term value: 6* mg/m <sup>3</sup> Long-term value: 2* mg/m <sup>3</sup> *as inhalable fraction, A4
<b>CAS: 10034-96-5 Manganese (II) sulfate monohydrate</b>	
PEL	Ceiling limit value: 5 mg/m <sup>3</sup> as Mn
REL	Short-term value: 3 mg/m <sup>3</sup> Long-term value: 1 mg/m <sup>3</sup> as Mn
TLV	Long-term value: 0.02* 0.1** mg/m <sup>3</sup> 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.

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.

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**Product name: HGV Grow 3-6-22****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:**

<b>Form:</b>	Granulate
<b>Color:</b>	Colorless to yellow
<b>Odor:</b>	No characteristic odor
<b>Odor threshold:</b>	Not determined.
<b>pH-value:</b>	No data available.

**Change in condition**

<b>Melting point/Melting range:</b>	No data available.
<b>Boiling point/Boiling range:</b>	No data available.
<b>Flash point:</b>	Not applicable.
<b>Flammability (solid, gaseous):</b>	Not determined.
<b>Auto igniting:</b>	No data available.
<b>Decomposition temperature:</b>	Not determined.
<b>Ignition temperature:</b>	Product is not selfigniting.
<b>Danger of explosion:</b>	Product does not present an explosion hazard.
<b>Explosion limits:</b>	
<b>Lower:</b>	Not determined.
<b>Upper:</b>	Not determined.

<b>Oxidizing properties:</b>	No data available.
<b>Vapor pressure:</b>	No data available.
<b>Density:</b>	Not determined.
<b>Relative density:</b>	Not determined.
<b>Vapour density:</b>	Not applicable.
<b>Evaporation rate:</b>	Not applicable.
<b>Solubility in / Miscibility with</b>	
<b>Water:</b>	Soluble.
<b>Partition coefficient (n-octanol/water):</b>	Not determined.
<b>Viscosity:</b>	
<b>Dynamic:</b>	Not applicable.

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**Product name: HGV Grow 3-6-22****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**

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**Hazardous decomposition products:**

In case of fire, the following can be released:

Nitrogen oxides (NO<sub>x</sub>)Phosphorus oxides (PO<sub>x</sub>)Sulfur oxides (SO<sub>x</sub>)**11 Toxicological information****Information on toxicological effects****Acute toxicity:**

LD/LC50 values:		
<b>CAS: 7757-79-1 Potassium nitrate</b>		
Oral	LD50	3,750 mg/kg (rat)
<b>CAS: 7778-77-0 Monopotassium phosphate</b>		
Oral	LD50	>2,000 mg/kg (rat)
Dermal	LD50	>2,000 mg/kg (rab)
<b>CAS: 7778-80-5 Potassium sulfate</b>		
Oral	LD50	>2,000 mg/kg (rat) (OECD 425)
Dermal	LD50	>2,000 mg/kg (rat) (OECD 402)
<b>CAS: 10043-35-3 Boric acid</b>		
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.

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**Product name: HGV Grow 3-6-22****Alternative sources for toxicological information** No non-standard sources for toxicological information where used.**Carcinogenic categories**

<b>IARC (International Agency for Research on Cancer)</b>
None of the ingredients is listed.
<b>NTP (National Toxicology Program)</b>
None of the ingredients is listed.
<b>OSHA-Ca (Occupational Safety &amp; Health Administration)</b>
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.**12 Ecological information****Toxicity**

<b>Aquatic toxicity:</b>	
<b>CAS: 7778-77-0 Monopotassium phosphate</b>	
NOEC	200 mg/l mg/L (Hyla chrysoscelis) (15d)
LC50	92 mg/L (Dreissena polymorpha) (24h)
<b>CAS: 7778-80-5 Potassium sulfate</b>	
EC50	2,700 mg/L (Chlorella vulgaris) (18d)
LC50	720 mg/L (Daphnia magna) (48h)
	680 mg/L (Pimephales promelas) (96h)
<b>CAS: 15708-41-5 Ferric EDTA, Sodium Salt</b>	
NOEC	69.9 mg/L (Pseudokirchneriella subcapitata)
96h LC50	>100 mg/L (Oncorhynchus mykiss)
48h EC50	100.9 mg/L (Daphnia magna)
<b>CAS: 10043-35-3 Boric acid</b>	
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.

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**Product name: HGV Grow 3-6-22****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

**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

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**Product name: HGV Grow 3-6-22****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: 7757-79-1	Potassium nitrate
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.

**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.

**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  
 Oxidizing Solids 2: Oxidizing solids – Category 2  
 Toxic to Reproduction 1B: Reproductive toxicity – Category 1B

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Specific Target Organ Toxicity - Repeated Exposure 2: Specific target organ toxicity (repeated exposure) – Category 2

**Sources** Data arise from reference works and literature.

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