

**Safety Data Sheet**

according to 29 CFR 1910.1200(g)

Quantum Blue 10 G

Revision date: 22.07.2022

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1. Identification**Product identifier**

Quantum Blue 10 G

Recommended use of the chemical and restrictions on use**Use of the substance/mixture**

Food/feedstuff additives

Details of the supplier of the safety data sheet

Company name: AB Vista, Inc.
Street: 8151 Peters Road, Suite 2001
Place: USA-33324 Plantation, Florida
Contact person: Quality/ Regulatory Department Telephone: +1 (954) 278 3965
e-mail: info@abvista.com
Internet: www.abvista.com

Emergency phone number: 1-800-424-9300 CCN703060
+1 703-527-3887

2. Hazard(s) identification**Classification of the chemical****29 CFR Part 1910.1200**

Respiratory or skin sensitization: Resp. Sens. 1

Label elements**29 CFR Part 1910.1200****Signal word:** Danger**Pictograms:****Hazard statements**

May cause allergy or asthma symptoms or breathing difficulties if inhaled

Precautionary statements

Avoid breathing dust/fume/gas/mist/vapors/spray.

Wear respiratory protection.

If inhaled: If breathing is difficult, remove person to fresh air and keep comfortable for breathing.

If experiencing respiratory symptoms: Call a poison center/doctor.

Dispose of waste according to applicable legislation.

Hazards not otherwise classified

May form combustible dust concentrations in air.

3. Composition/information on ingredients**Mixtures****Hazardous components**

CAS No	Components	Quantity
130498-22-5	Wheat flour	85.15 %
9001-89-2	Phytate 6-phosphatase	2.1 %



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4. First-aid measures

Description of first aid measures

General information

In case of allergic symptoms, especially in the breathing area, seek medical advice immediately.

After inhalation

Provide fresh air. If breathing is irregular or stopped, administer artificial respiration. Medical treatment necessary.

After contact with skin

Wash with plenty of water. Immediately remove any contaminated clothing, shoes or stockings. Medical treatment necessary. After contact with skin, wash immediately with plenty of water and soap. In all cases of doubt, or when symptoms persist, seek medical advice.

After contact with eyes

Rinse immediately carefully and thoroughly with eye-bath or water. In case of eye irritation consult an ophthalmologist. Remove contact lenses, if present and easy to do. Continue rinsing.

After ingestion

If accidentally swallowed rinse the mouth with plenty of water (only if the person is conscious) and obtain immediate medical attention. Do NOT induce vomiting. When in doubt or if symptoms are observed, get medical advice. Never give anything by mouth to an unconscious person or a person with cramps.

Most important symptoms and effects, both acute and delayed

May produce an allergic reaction. Respiratory complaints

Indication of any immediate medical attention and special treatment needed

Treat symptomatically.

5. Fire-fighting measures

Extinguishing media

Suitable extinguishing media

Co-ordinate fire-fighting measures to the fire surroundings.

Unsuitable extinguishing media

Full water jet

Specific hazards arising from the chemical

Non-flammable.

In case of fire may be liberated: Carbon monoxide, Carbon dioxide (CO₂). Nitrogen oxides (NO_x).

Special protective equipment and precautions for fire-fighters

In case of fire: Wear self-contained breathing apparatus. Full protection suit

Additional information

Suppress gases/vapors/mists with water spray jet. Collect contaminated fire extinguishing water separately. Do not allow entering drains or surface water.

6. Accidental release measures

Personal precautions, protective equipment and emergency procedures

Provide adequate ventilation. Avoid dust formation. Do not breathe dust. Avoid contact with skin, eyes and clothes. Use personal protection equipment.

Environmental precautions

Do not allow to enter into surface water or drains. No special environmental measures are necessary. Clean contaminated articles and floor according to the environmental legislation.

Methods and material for containment and cleaning up

Take up mechanically. Treat the recovered material as prescribed in the section on waste disposal.

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Reference to other sections

Safe handling: see section 7

Personal protection equipment (PPE): see section 8

Disposal: see section 13

7. Handling and storage**Precautions for safe handling****Advice on safe handling**

If handled uncovered, arrangements with local exhaust ventilation have to be used. Avoid dust formation. Do not breathe dust. Provide adequate ventilation. Avoid contact with skin, eyes and clothes. Use personal protection equipment.

Advice on protection against fire and explosion

Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking.

Conditions for safe storage, including any incompatibilities**Requirements for storage rooms and vessels**

Keep container tightly closed. Keep container tightly closed and dry. Keep container in a well-ventilated place.

Hints on joint storage

Do not store together with: Oxidizing agent, strong

Reacts with : Oxidising agent, May cause fire.

Further information on storage conditions

Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking.

8. Exposure controls/personal protection**Control parameters****Exposure limits**

CAS No	Substance	ppm	mg/m ³	f/cc	Category	Origin
-	Grain dust (oat, wheat barley)	-	10		TWA (8 h)	REL
-	Grain dust (oat, wheat, barley)	-	4		TWA (8 h)	REL
-	Particulates not Otherwise regulated (PNOR)	1765	15		TWA (8 h)	ACGIH-2022
-	Total dust	mp/m ³			TWA (8 h)	REL
79-09-4	Propionic acid	10	30		TWA (8 h)	REL
-		15	45		STEL (15 min)	REL
79-09-4	Propionic acid	10			TWA (8 h)	ACGIH-2022
68956-68-3	Vegetable oil mist (resp)	-	5		TWA (8 h)	REL
-	Vegetable oil mist Total dust	-	15		TWA (8 h)	REL

Exposure controls**Appropriate engineering controls**

If handled uncovered, arrangements with local exhaust ventilation have to be used. Do not breathe dust. Provide adequate ventilation as well as local exhaustion at critical locations.

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Protective and hygiene measures

Remove contaminated, saturated clothing immediately. Draw up and observe skin protection programme. Wash hands and face before breaks and after work and take a shower if necessary. When using do not eat, drink, smoke, sniff. Take off contaminated clothing. Wash hands before breaks and after work. When using do not eat or drink. Avoid contact with skin, eyes and clothes. Avoid breathing dust/fume/gas/mist/vapors/spray.

Eye/face protection

Wear eye/face protection.

Hand protection

When handling with chemical substances, protective gloves must be worn with the CE-label including the four control digits. The quality of the protective gloves resistant to chemicals must be chosen as a function of the specific working place concentration and quantity of hazardous substances. For special purposes, it is recommended to check the resistance to chemicals of the protective gloves mentioned above together with the supplier of these gloves. Wear protective gloves.

Skin protection

Use of protective clothing.

Respiratory protection

In case of inadequate ventilation wear respiratory protection.

Environmental exposure controls

Avoid release to the environment.

9. Physical and chemical properties**Information on basic physical and chemical properties**

Physical state:	solid (granulate)
Color:	light brown
Odor:	characteristic
pH-Value:	not determined

Changes in the physical state

Melting point/freezing point:	not determined
Boiling point or initial boiling point and boiling range:	not determined
Flash point:	not applicable

Flammability

Solid:	not determined
Gas:	not applicable

Explosive properties

The product is not: Explosive. The product is not: Explosive.

Lower explosion limits:	not determined
Upper explosion limits:	not determined
Auto-ignition temperature:	not determined
Decomposition temperature:	not determined

Oxidizing properties

The product is not: oxidising.

Vapor pressure:	not determined
Density:	not determined

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Water solubility: The study does not need to be conducted because the substance is known to be insoluble in water.

Solubility in other solvents
not determined

Partition coefficient n-octanol/water: not determined

Viscosity / dynamic: not determined

Viscosity / kinematic: not determined

Relative vapour density: not determined

Evaporation rate: not determined

Other information

Solid content: not determined

Odor threshold: not determined

10. Stability and reactivity**Reactivity**

No hazardous reaction when handled and stored according to provisions.

Chemical stability

Stability: Stable

The product is stable under storage at normal ambient temperatures.

Possibility of hazardous reactions

Hazardous reactions: May occur

Exothermic reaction with: Oxidizing agent
May cause fire.

Conditions to avoid

Keep away from sources of heat (e.g. hot surfaces), sparks and open flames.

Incompatible materials

Oxidizing agent, strong

Hazardous decomposition products

Thermal decomposition: Carbon monoxide, Carbon dioxide (CO₂). Nitrogen oxides (NO_x).

11. Toxicological information**Information on toxicological effects****Route(s) of Entry**

oral, dermal, Eye contact, Inhalation

Acute toxicity

Based on available data, the classification criteria are not met.

Irritation and corrosivity

Based on available data, the classification criteria are not met.

Sensitizing effects

May cause allergy or asthma symptoms or breathing difficulties if inhaled (Wheat flour; Phytate 6-phosphatase)

Carcinogenic/mutagenic/toxic effects for reproduction

Based on available data, the classification criteria are not met.

Specific target organ toxicity (STOT) - single exposure

Based on available data, the classification criteria are not met.



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Specific target organ toxicity (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.

Further information

The mixture is classified as hazardous according to regulation (EC) No 1272/2008 [CLP].

12. Ecological information

Ecotoxicity

The product is not: Ecotoxic.

Persistence and degradability

The product has not been tested.

Bioaccumulative potential

The product has not been tested.

Mobility in soil

The product has not been tested.

Other adverse effects

No information available.

Further information

Do not allow to enter into surface water or drains. Do not allow to enter into soil/subsoil.

13. Disposal considerations

Waste treatment methods**Disposal recommendations**

Do not allow to enter into surface water or drains. Do not allow to enter into soil/subsoil. Dispose of waste according to applicable legislation.

Contaminated packaging

Hazardous waste according to Directive 2008/98/EC (waste framework directive). Handle contaminated packages in the same way as the substance itself.

14. Transport information

US DOT 49 CFR 172.101**Proper shipping name:**

No dangerous good in sense of this transport regulation.

Marine transport (IMDG)**UN number:**

No dangerous good in sense of this transport regulation.

UN proper shipping name:

No dangerous good in sense of this transport regulation.

Transport hazard class(es):

No dangerous good in sense of this transport regulation.

Packing group:

No dangerous good in sense of this transport regulation.

Air transport (ICAO-TI/IATA-DGR)**UN number:**

No dangerous good in sense of this transport regulation.

UN proper shipping name:

No dangerous good in sense of this transport regulation.

Transport hazard class(es):

No dangerous good in sense of this transport regulation.

Packing group:

No dangerous good in sense of this transport regulation.

Environmental hazards

ENVIRONMENTALLY HAZARDOUS:

No

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Special precautions for user

No dangerous good in sense of this transport regulation.

Transport in bulk according to Annex II of MARPOL 73/78 and the IBC Code

No dangerous good in sense of this transport regulation.

15. Regulatory information**U.S. Regulations****National Inventory TSCA**

Phytate 6-phosphatase: Yes.

propionic acid: Yes.

National regulatory information

SARA Section 304 CERCLA:

Propionic acid (79-09-4): Reportable quantity = 5,000 (2270) lbs. (kg)

SARA Section 311/312 Hazards:

Wheat flour (130498-22-5): Immediate (acute) health hazard

Phytate 6-phosphatase (9001-89-2): Immediate (acute) health hazard

Propionic acid (79-09-4): Immediate (acute) health hazard

State Regulations**Safe Drinking Water and Toxic Enforcement Act of 1986 (Proposition 65, State of California)**

This product can not expose you to chemicals known to the State of California to cause cancer, birth defects or other reproductive harm.

16. Other information**Changes**

Revision date: 22.07.2022

Revision No: 1,4

This data sheet contains changes from the previous version in section(s): 2.

Abbreviations and acronyms

DOT: USA Department of Transport

IMDG: International Maritime Code for Dangerous Goods

IATA: International Air Transport Association

GHS: Globally Harmonized System of Classification and Labelling of Chemicals

CAS: Chemical Abstracts Service

LC50: Lethal concentration, 50%

LD50: Lethal dose, 50%

TSCA: Toxic Substances Control Act

OSHA: Occupational Safety and Health Administration

IARC: International Agency for Research on Cancer

SARA: Superfund Amendments and Reauthorization Act

CLP: Classification, labelling and Packaging

REACH: Registration, Evaluation and Authorization of Chemicals

GHS: Globally Harmonised System of Classification, Labelling and Packaging of Chemicals

UN: United Nations

DNEL: Derived No Effect Level

DMEL: Derived Minimal Effect Level

PNEC: Predicted No Effect Concentration

ATE: Acute toxicity estimate

LL50: Lethal loading, 50%

EL50: Effect loading, 50%

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EC50: Effective Concentration 50%

ErC50: Effective Concentration 50%, growth rate

NOEC: No Observed Effect Concentration

BCF: Bio-concentration factor

PBT: persistent, bioaccumulative, toxic

vPvB: very persistent, very bioaccumulative

ADR: Accord européen sur le transport des marchandises dangereuses par Route
(European Agreement concerning the International Carriage of Dangerous Goods by Road)

RID: Regulations concerning the international carriage of dangerous goods by rail

ADN: European Agreement concerning the International Carriage of Dangerous Goods by Inland Waterways
(Accord européen relatif au transport international des marchandises dangereuses par voies de navigation intérieures)

EmS: Emergency Schedules

MFAG: Medical First Aid Guide

ICAO: International Civil Aviation Organization

MARPOL: International Convention for the Prevention of Marine Pollution from Ships

IBC: Intermediate Bulk Container

SVHC: Substance of Very High Concern

For abbreviations and acronyms, see table at <http://abbrev.esdscom.eu>

For abbreviations and acronyms, see: ECHA Guidance on information requirements and chemical safety assessment, chapter R.20 (Table of terms and abbreviations).

Other data

The information is based on the present level of our knowledge. It does not, however, give assurance of product properties and establishes no contract legal rights. The receiver of our product is singularly responsible for adhering to existing laws and regulations.

(The data for the hazardous ingredients were taken respectively from the last version of the sub-contractor's safety data sheet.)