

## SAFETY DATA SHEET

### Section 1 - Identification of the substance/mixture and of the supplier

**Trade Name:** VitaGibb 40%

**Product Code:** VitaGib

**Chemical Name:** Gibberellic Acid

**Application/Uses:** Fertilizing Compound

**Restrictions:** None

**Distributor Information:** **PERFORMANCE NUTRITION** - A Division of LidoChem, Inc. 20 Village Court, Hazlet, NJ 07730  
Phone: (732) 888 8000 • Fax: (732) 264 2751 • email: info@lidochem.com

**Emergency Phone Number:** **CHEMTREC - Day or Night - at 800 424 9300**

### Section 2 - Hazard Identification

#### Classification of the substance or mixture (GHS-US)

Eye irritation (Category 2B), H320

#### Physical Hazards

None

#### Hazard Statements

H320: Causes eye irritation

#### Precautionary Statements:

##### Precautionary Statements - Prevention, Response, Storage, Disposal

P261: Avoid breathing dust/fume/gas/mist/vapours/spray

P264: Wash hands thoroughly after handling

P280: Wear protective gloves/protective clothing/eye protection/face protection

P305+351+338: IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses if present and easy to do – continue rinsing

P337+313: If eye irritation persists get medical advice/attention

P302+352: IF ON SKIN: Wash with soap and water

P333+313: If skin irritation or a rash occurs: Get medical advice/attention

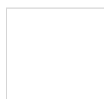
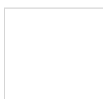
P362: Take off contaminated clothing and wash before reuse

P501: Dispose of contents/container to local, State and Federal regulations.

Labeling: FIFRA EPA approved pesticide labeling required.

#### GHS Label elements

##### Hazard Pictograms



**Signal Word**

**Warning**

#### HNOC - Hazards Not Otherwise Classified

None

### Section 3 - Composition/Information on Ingredients

**Chemical Identity:** Proprietary Information

CAS#:	Common Name/Synonyms:	% by Wt.
77-06-5	Gibberellic Acid	40%
Trade Secret	Other Ingredients	60%

### Section 4 - First Aid Measures

#### Description of first aid measures

##### General Advice:

Remove contaminated clothing and shoes. Seek medical advice immediately and show safety data sheet or product label to the doctor, if possible.

##### If Inhaled:

Remove person from contaminated area to fresh air. If not breathing, give artificial respiration. Seek medical attention if irritation or dizziness occurs.

##### In Case Of Skin Contact:

Remove contaminated clothing and wash before re-using. Flush skin with water and then wash with soap and water. Seek medical attention if irritation persists.

##### In Case Of Eye Contact:

Flush eyes with large quantities of running water for a minimum of 15 minutes. If present and easy to do, remove contact lenses. Hold eyelids apart during the flushing to ensure rinsing of entire surface of the eye and lids with water. DO NOT let victim rub eye(s). Do not attempt to neutralize with chemical agents. Oils/ointments should not be used at this time. Get medical attention if eye irritation occurs.

##### If Swallowed:

Seek medical attention or call a poison control center immediately. Do not induce vomiting unless instructed to do so by a poison control center or doctor. Do not give anything by mouth to an unconscious person.

##### Most important symptoms and effects, both acute and delayed:

The most important known symptoms and effects are described in section 2. Further symptoms are possible.

##### Indication of any immediate medical attention and special treatment needed:

Treat symptomatically and supportively.

### Section 5 - Fire-fighting Measures

#### Extinguishing media:

Suitable extinguishing media: water spray, alcohol-resistant foam, dry powder, carbon dioxide

#### Specific Hazards arising from the substance or mixture:

No specific hazards known.

Thermal decomposition products: carbon oxides, nitrogen oxides.

#### Advice for firefighters:

Fire fighters should wear appropriate protective equipment and self-contained breathing apparatus (SCBA) with a full face piece operated in positive pressure mode.

#### Further information:

Dispose of fire debris and contaminated extinguishing water in accordance with official regulations.

## Section 6 - Accidental release measures

### Personal precautions, protective equipment and emergency procedures:

As outlined in section 8, wear appropriate respiratory protection. Avoid breathing dust, vapours, mist or spray. Use personal protective clothing. Ensure adequate ventilation. Evacuate personnel to safe areas.

### Environmental precautions:

Do not allow spilled product to enter water supplies. Do not contaminate water when cleaning or disposing of equipment washers or rinsate.

### Methods and materials for containment and cleaning up:

Pick up and arrange disposal without creating dust. Sweep up and shovel. Avoid breathing dust.

## Section 7- Handling and Storage

### Precautions for safe handling:

Do not eat, drink or smoke when using this product. Wash hands and other exposed areas thoroughly after handling. Avoid formation of dust. Further processing of solid materials may result in the formation of combustible dusts. The potential for combustible dust formation should be taken into consideration before additional processing occurs. Provide adequate exhaust ventilation at places where dust is formed.

### Conditions for safe storage, including any incompatibilities:

Keep container tightly closed in a dry and well ventilated area.  
Store under inert gas.

## Section 8 - Exposure Control / Personal Protection

### Control parameters:

Chemical Identity:	CAS #:	ACGIH Threshold Limit Values		OSHA PEL		NIOSH REL	
		TWA	STEL	TWA	STEL	TWA <sup>®</sup>	STEL
Gibberellic Acid	77-06-5	NDA	NDA	NDA	NDA	NDA	NDA
Other Ingredients	Trade Secret	NDA	NDA	NDA	NDA	NDA	NDA

### Appropriate engineering controls:

Contains no substances with occupational exposure limit values. Handle in accordance with good industrial hygiene and safety practice. Wash hands before breaks and at the end of the workday.

### Individual protection measures, such as personal protective equipment:

#### Eye protection:

Tightly fitting safety goggles or face shield if a splashing hazard exists. Use equipment for eye protection tested and approved under appropriate government standards such as NIOSH.

#### Skin protection:

Handle with chemical resistant protective gloves. Use proper glove removal technique (without touching glove's outer surface) to avoid skin contact with this product. Wash and dry hands.

## Section 8 - Exposure Control / Personal Protection (cont.)

### Body protection:

Body protection must be chosen depending on activity and possible exposure, i.e. apron, chemical resistant footwear plus socks, long sleeved shirt, long pants, chemical protection suit.

### Respiratory protection:

Respiratory protection is not typically required if airborne concentrations are maintained below the established exposure limits. Wear a NIOSH-certified (or equivalent) organic vapour/particulate respirator. Do not exceed the maximum use concentration for the respirator facepiece/cartridge combination. For emergency or non-routine, high exposure situations, use a NIOSH-certified full facepiece pressure demand self-contained breathing apparatus (SCBA) or a full facepiece pressure demand supplied-air respirator (SAR) with escape provisions. Observe OSHA regulations for respirator use (29 CFR 1910.134)

### General safety and hygiene measures:

Eye wash fountains and safety showers must be easily accessible. Employees should wash their hands and face before eating, drinking or using tobacco products.

## Section 9 - Physical and Chemical Properties

<b>Appearance (physical state, color, etc):</b>	White powder
<b>Odor:</b>	None
<b>Odor threshold:</b>	No data available.
<b>pH:</b>	2.9 1 sol.
<b>Melting point:</b>	227°C (441°F)
<b>Freezing point:</b>	No data available.
<b>Initial boiling point:</b>	No data available.
<b>Boiling range:</b>	No data available.
<b>Flash point:</b>	No data available.
<b>Evaporation rate:</b>	No data available.
<b>Flammability (solid, gas):</b>	Not highly flammable (TGA)
<b>Upper/lower flammability or explosive limits:</b>	No data available.
<b>Vapor pressure:</b>	No data available.
<b>Vapor density:</b>	No data available.
<b>Relative density:</b>	No data available.
<b>Solubility:</b>	Soluble
<b>Partition coefficient: n-octanol/water:</b>	No data available.
<b>Auto-ignition temperature:</b>	No data available.
<b>Decomposition temperature:</b>	No data available.
<b>Viscosity:</b>	No data available.
<b>Specific gravity:</b>	No data available.

## Section 10 - Stability and Reactivity

### Reactivity:

Material does not pose a significant reactivity hazard.

### Chemical stability:

Product is stable at ambient temperature and pressure, under normal storage and handling conditions.

### Possibility of hazardous reactions:

Does not undergo hazardous polymerization

### Conditions to avoid (i.e. static discharge, shock or vibration):

No data available.

### Incompatible materials:

No data available.

### Hazardous decomposition products:

Carbon oxides and unidentified organic compounds.

## Section 11- Toxicological Information

### Likely routes of exposure:

Inhalation, ingestion, skin and eye contact.

### Symptoms related to physical, chemical and toxicological characteristics and delayed and immediate effects and chronic effects from short and long term exposure:

#### Acute Toxicity:

**Acute Oral** - LD50 = >5,000 mg/kg. rate

**Acute Inhalation** - LC50 = >2.269 mg/l, air, rate (limi test)

**Acute Dermal** - LD50 = 5,000 mg/kg.rat

#### Skin corrosion/irritation:

Not corrosive

#### Serious eye damage/eye irritation:

Mildly irritating. All ocular irritation cleared within 72 hrs (RABBIT)

#### Respiratory or skin sensitization:

Not a sensitizer [Magnusson-Kligman method] (guinea pig)

#### Carcinogenicity/Mutagenicity:

Components of this product are NOT listed as carcinogenic by NTP, IARC or OSHA.

Negative in chromosomal aberration, sister chromatid exchange in CHO. Did NOT induce unscheduled DNA synthesis (UDS) in RAT hepatocytes in

## Section 11- Toxicological Information (cont.)

### Germ cell mutagenicity:

### Reproductive toxicity:

This material is NOT a teratogenic compound.

### Specific target organ toxicity - single or repeated exposure:

No data available.

### Aspiration hazard:

No data available.

### Symptoms after inhalation:

No data available.

### Symptoms after skin contact:

No data available.

### Symptoms after eye contact:

No data available.

### Symptoms after ingestion:

May cause intestinal irritation if ingested.

## Section 12- Ecological Information

### Ecotoxicity (aquatic and terrestrial, where available):

#### Toxicity to fish (acute and chronic):

FISH: LC50 >100 mg a.i./L (96-H, Cyprinus carpio)

BIRD: LC50 > 5,000 mg a.i./kg bw (Acute Oral – Pigeon) LC50 > 5,000 mg a.i./kg bw (Acute Oral – Chicken)

Bees (insect): LD50 > 285.05 µg a.i./bee (24-H, 48-H) (Oral toxicity, honey bee) LD50 > 250.00 µg a.i./bee (24-H, 48-H) (Contact toxicity, honey bee)

#### Toxicity to daphnia and other aquatic invertebrates (acute and chronic):

Invertebrates: EC50 > 140 mg a.i./L (48-H, Daphnia), NOEC 140 mg/L (48-H, Daphnia)

#### Toxicity to algae:

Algae: Cell density EC50 > 92 mg/L (72-H, Freshwater alga)

Growth rate EC50 > 92 mg/L (72-H, Freshwater alga)

Area under the growth curve EC50 > 92 mg/L (72-H, Freshwater alga)

## Section 12- Ecological Information (cont.)

### Persistence and degradability:

Active ingredient is naturally occurring plant growth regulator. Active ingredient does not undergo aqueous photo-degradation.

### Bioaccumulative potential:

No data available. Bio-concentration Factor (BCF): Given that the log POW for the active ingredient (0.45) is much less than 3, there is no potential for bio-concentration in fatty tissues and no potential for aquatic bio-magnification.

### Mobility in the soil:

No data available.

### Other adverse effects:

Active ingredient is naturally occurring plant growth regulator. Active ingredient does not undergo aqueous photo-degradation. Active ingredient is not considered readily biodegradable. For terrestrial uses: Do not apply directly to water or areas where surface water is present or to inter-tidal areas below the mean high water mark.

## Section 13 - Disposal Considerations

### Waste treatment methods - product:

Dispose in accordance with all local, state and federal regulations. In unused condition, this product is not considered to be a RCRA defined hazardous waste by character/listings. It is the responsibility of the waster generator to evaluate whether this wastes are hazardous by characteristic/listing.

### Waste treatment methods - container:

Containers should be cleaned of residual product before disposal. Empty containers should be disposed of in accordance with all applicable laws and regulations. Chemical additions, processing or otherwise altering this material may make the waste management information presented incomplete, inaccurate or otherwise inappropriate.

## Section 14 - Transport Information - US DOT, IATA, IMO, ADR:

<b>Proper Shipping Name:</b>	Fertilizer Compound, NOI, Dry - Plant Growth Regulator		
<b>D. O. T. Hazard Class:</b>	Not Regulated by D.O.T.	<b>UN #:</b>	N/Ap
<b>Label Requirement:</b>	None	<b>RQ:</b>	N/Ap
<b>Placard:</b>	None	<b>CAS:</b>	Mixture
<b>Packing Group:</b>	N/Ap	<b>ERG Book Information:</b>	None
<b>Environment Hazards:</b>	No	<b>Marine Pollutant:</b>	No
<b>Special Precautions:</b>	N/A	<b>IATA:</b>	No

## Section 15 - Regulatory Information

### FIFRA Statement:

This chemical is a pesticide product registered by the United States Environmental Protection Agency and is subject to certain labeling requirements under federal pesticide law. These requirements differ from the classification criteria and hazard information required for safety data sheets (SDS), and for workplace labels of non-pesticide chemicals. The hazard information required on the pesticide label is reproduced below. The pesticide label includes other important information, including directions for use.

Keep Out of Reach of Children  
**CAUTION**



## Section 15 - Regulatory Information (cont.)

### U.S. Federal - OSHA Status:

This product does NOT contain any products considered hazardous under the Federal OSHA HazCom. Standard 29 CFR 1910.1200.

### TSCA Status:

Not Listed/Non-reportable

### SARA Title III Section 302 - EXTREMELY HAZARDOUS SUBSTANCES:

This product does NOT contain ingredients listed in Appendix A and B as Extremely Hazardous substances.

### SARA Title III Sections 311/312:

N/Ap

### SARA Section 313 :

This product contains the following toxic chemical subject to the reporting requirements of Section 313 of the Emergency Planning and Community Right to Know Act:

#### CAS# Chemical Name:

This material does not contain any chemical components with known CAS numbers that exceed the threshold reporting levels.

### SARA Superfund Section 110:

This product does NOT contain ingredients listed as hazardous substances on the Priority List of CERCLA Hazardous substances.

### CERCLA, 40 CFR 117, 302:

This product does NOT contain ingredients specified in the List of Extremely Hazardous Substances.

### CERCLA listed substances are:

NONE

### Other Federal Reporting Requirements:

**CAA:** This product does not contain any substances regulated as hazardous air pollutants (HAPS) under Section 112 of the Clean Air Act

**CWA:** No chemicals in product are listed a Hazardous Substances, Priority Pollutants or Toxic Pollutants under the CWA.

**RCRA:** Not classified as a hazardous waste.

### State Reporting Requirements:

#### State Right to Know Laws:

CAS#	State RTK	Chemical Name
		NONE

### CALIFORNIA PROPOSITION 65:

To the best of our knowledge, this product does NOT contain any of the listed chemicals, which the state of California has found to cause cancer, birth defects or other reproductive harm. For more information, go to [www.P65Warnings.ca.gov](http://www.P65Warnings.ca.gov).

### Michigan Critical Materials:

This product does NOT contain ingredients listed on the Michigan Critical Materials Register.



## Section 15 - Regulatory Information (cont.)

### Global Lists/International Inventories:

Canada CEPA: N/A

Canada WHMIS: Not controlled

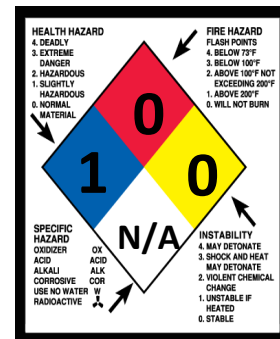
## Section 16 - Other Information

**Note Section 3:** Any concentration shown as a range is to protect confidentiality or is due to batch variation.

EPA Registration Number: 73049-1

EPA Pesticide Label signal word: CAUTION

**PRECAUTIONARY STATEMENTS HAZARDS TO HUMANS & DOMESTIC ANIMALS**  
8-20-18 - Reviewed, updated California Proposition 65 statement, this replaces all previous SDS's.



Date of last revision:

8-20-2018

NOTICE: OSHA STANDARD 29 CFR 1910.1200 requires that information be provided to employees regarding the hazards of chemicals by means of a Hazard Communication Program including training, labeling, Safety Data Sheets, and access to written records. We request that you, and it is your legal duty, make all information in this Safety Data Sheet available to your employees.

### Key Legend Information:

N/Ap:	Not Applicable	ND:	Not Determined
N/R:	Not Rated	NDA:	No Data Available
ACGI:	American Conference of Gov'tal Industrial Hygienists	TLV:	Threshold Limit Value
OSHA:	Occupational Safety and Health Administration	TWA:	Time Weighted Average
PEL:	Permissible Exposure Limit	NTP:	National Toxicology Program
STEL:	Short Term Exposure Limit	TSCA:	Toxic Substance Control Act
IARC:	International Agency for Research on Cancer	CERCLA:	Comprehensive Response, Compensation and Liability Act
SARA Title III:	Superfund Amendments and Reauthorization Act	CWA:	Clean Water Act
CAA:	Clean Air Act		
RCRA:	Resource Conservation Recovery Act	IMO:	International Maritime Organization Shipping Info.
IATA:	International Air Transport Association Shipping Info.	WHMIS:	Workplace Hazardous Materials Information System
DSL:	Domestic Substance List (Canada)		

The information and recommendations contained herein are based upon data believed to be correct. However, no guarantee or warranty of any kind expressed or implied is made with respect to the information contained herein. This Safety Data Sheet was prepared to comply with OSHA Hazard Communication standard. (29 CFR 1910.1200 HazCom 2012). This supersedes any previous information. Since the actual use by others is beyond our control, no guarantee, expressed or implied, is made by LidoChem, Inc. as to the effects of such use or the results to be obtained, nor does LidoChem, Inc. assume any liability arising out of use, by others, of the products referred to herein. Nor is the information herein to be construed as absolutely complete since additional information may be necessary or desirable when particular or exceptional conditions or circumstances exist because of applicable laws or government regulations. All LidoChem Inc. SDS's are reviewed every three years or sooner if necessary. Please check the Review Date on Page 1 for most current version. Please request a new SDS from LidoChem, Inc. if the date is older than 3 years.