

ProGibbâ 40% WSG

MSDS# BIO-0064 Rev. 2

ISSUED 01/09/04

## 1. CHEMICAL PRODUCT AND COMPANY IDENTIFICATION

MATERIAL NAME: ProGibb® 40% Water Soluble Granules

EPA Reg.No.: 73049-1

Code Number: 53556

List Number: 60218

SYNONYMS: ProGibb 4X ProGibb 40% ProGibb SG  
ProGibb 40% SG ProGibb 40% GS

MANUFACTURER: Valent Biosciences  
870 Technology Way, Suite 100  
Libertyville, Illinois 60048

## EMERGENCY TELEPHONE NUMBERS

Emergency Health or Spill:

Outside the United States: 651-632-6184

Within the United States: 877-315-9819

## 2. COMPOSITION/INFORMATION ON INGREDIENTS

INGREDIENT NAME: Gibberellic Acid

CONCENTRATION: 40.00%

CAS NUMBER: 77-06-5

OSHA-PEL 8HR TWA: N/L

STEL: N/L

CEILING: N/L

ACGIH-TLV 8HR TWA: N/L

STEL: N/L

CEILING: N/L

OTHER 8HR TWA: N/A

LIMITS STEL: N/A

CEILING: N/A

INGREDIENT NAME: Inert/Other Ingredients - Proprietary Information

CONCENTRATION: 60.00%

CAS NUMBER: N/A

OSHA-PEL 8HR TWA: N/L

STEL: N/L

CEILING: N/L

ACGIH-TLV 8HR TWA: N/L

STEL: N/L

CEILING: N/L

OTHER 8HR TWA: N/A

LIMITS STEL: N/A

CEILING: N/A

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## 3. HAZARDS INFORMATION

EMERGENCY OVERVIEW: This material is non-toxic by ingestion, skin contact, or inhalation. This material is a moderate eye irritant.

ROUTE(S) OF ENTRY:           Skin: No  
                                  Inhalation: No  
                                  Ingestion: No

SKIN CONTACT: Non-irritant

SKIN SENSITIZATION: Non-sensitizer

EYE CONTACT: Moderate irritant

TARGET ORGANS: N/D.

CARCINOGENICITY RATING: NTP: N/L IARC: N/L OSHA: N/L ACGIH: N/L  
None

SIGNS AND SYMPTOMS: Direct contact with the product could cause mechanical irritation which may result in eye and skin irritation.

MEDICAL CONDITIONS AGGRAVATED BY EXPOSURE: None that are known.

## 4. FIRST AID MEASURES

EYES: Remove from source of exposure. Flush with copious amounts of water. If irritation persists or signs of toxicity occur, seek medical attention. Provide symptomatic/supportive care as necessary.

SKIN: Remove from source of exposure. Flush with copious amounts of water. If irritation persists or signs of toxicity occur, seek medical attention. Provide symptomatic/supportive care as necessary.

INGESTION: Remove from source of exposure. If signs of toxicity occur, seek medical attention. Provide symptomatic/supportive care as necessary.

INHALATION: Remove from source of exposure. If signs of toxicity occur, seek medical attention. Provide symptomatic/supportive care as necessary.

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## 5. FIRE FIGHTING PROCEDURES

FLASH POINT: N/A  
FLASH POINT METHOD: N/A  
LOWER EXPLOSIVE LIMIT(%): N/A  
UPPER EXPLOSIVE LIMIT(%): N/A  
AUTOIGNITION TEMPERATURE: N/D

FIRE & EXPLOSION HAZARDS: Non-flammable and no explosive properties.

EXTINGUISHING MEDIA: Use appropriate medium for underlying cause of fire.

FIRE FIGHTING INSTRUCTIONS: Wear protective clothing and self-contained breathing apparatus.

## 6. ACCIDENTAL RELEASE MEASURES

SPILL OR RELEASE PROCEDURES: Recover product and place in an appropriate container for disposal. Ventilate and wash the spill area.

## 7. HANDLING AND STORAGE

HANDLING: The usual precautions for handling chemicals should be observed.

STORAGE: Avoid excessive temperatures and direct sunlight. Store in dry area, keep material dry and container tightly closed.

SPECIAL PRECAUTIONS: Wash thoroughly with soap and water after handling.

## 8. EXPOSURE CONTROLS/PERSONAL PROTECTION

ENGINEERING CONTROLS: Use local exhaust.

RESPIRATORY PROTECTION: Not usually required. If necessary, use a MSHA/NIOSH approved (or equivalent) respirator with high efficiency filter.

SKIN PROTECTION: Impervious gloves, clothing to minimize skin contact.

EYE PROTECTION: Safety glasses or goggles.

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## 9. PHYSICAL AND CHEMICAL PROPERTIES

APPEARANCE/PHYSICAL STATE: White to off-white granules  
ODOR: Odorless  
BOILING POINT: N/A  
MELTING/FREEZING POINT: N/A  
VAPOR PRESSURE (mm Hg): N/A  
VAPOR DENSITY (Air=1): N/A  
EVAPORATION RATE: N/A  
BULK DENSITY: 0.43-0.55 g/mL  
SPECIFIC GRAVITY: N/D  
SOLUBILITY: Soluble in water.  
pH: 3.5-4.5 (as a 0.1% solution in water)  
VISCOSITY: N/A

## 10. STABILITY AND REACTIVITY

CHEMICAL STABILITY: Stable under normal conditions of use.

INCOMPATIBILITIES: None that are known.

HAZARDOUS DECOMPOSITION PRODUCTS: N/D.

HAZARDOUS POLYMERIZATION: Will not occur.

## 11. TOXICOLOGICAL INFORMATION

## ACUTE TOXICITY

ORAL LD50: N/D. > 5,000 mg/kg (rat) for gibberellic acid technical powder.

DERMAL LD50: N/D. > 2,000 mg/kg (rabbit) for gibberellic acid technical powder.

INHALATION LC50: N/D. In a 4-hour, nose-only exposure test with rats using gibberellic acid technical powder, no deaths occurred at the highest attainable concentration (1.44 mg/L).

CORROSIVENESS: N/D. Not expected to have any corrosive properties.

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11. TOXICOLOGICAL INFORMATION, continued  
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DERMAL IRRITATION: N/D. In tests with gibberellic acid technical powder, slight to well-defined redness occurred at site of application in several animals. Repeated or prolonged contact with the granules may produce skin irritation, however, solutions are not expected to be irritating.

OCULAR IRRITATION: N/D. In tests with gibberellic acid technical powder, transient irritation was observed in test animals immediately after application. Direct contact with the product may cause irritation, however, solutions are not expected to be irritating.

DERMAL SENSITIZATION: N/D. In a sensitization test with guinea pigs using gibberellic acid technical powder, the results indicated gibberellic acid technical powder is not a sensitizer.

SPECIAL TARGET ORGAN EFFECTS: N/D. In reproduction studies in rats, no maternal or fetal toxicity, or other adverse effects to the fetus were noted following large dosages (1000 mg/kg/day) of gibberellic acid technical powder.

CARCINOGENICITY INFORMATION: N/D. None of the components are classified as carcinogens.

12. ECOLOGICAL INFORMATION  
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ECOLOGICAL INFORMATION: N/D

13. DISPOSAL CONSIDERATIONS  
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WASTE DISPOSAL METHODS: Dispose of product in accordance with federal, state and local regulations.

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14. TRANSPORTATION INFORMATION  
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DOT STATUS: Not Regulated

PROPER SHIPPING NAME: N/A

HAZARD CLASS: N/A

UN NUMBER: N/A

PACKING GROUP: N/A

REPORTABLE QUANTITY: N/A

IATA/ICAO STATUS: Not Regulated

PROPER SHIPPING NAME: N/A

HAZARD CLASS: N/A

UN NUMBER: N/A

PACKING GROUP: N/A

REPORTABLE QUANTITY: N/A

IMO STATUS: Not Regulated

PROPER SHIPPING NAME: N/A

HAZARD CLASS: N/A

UN NUMBER: N/A

PACKING GROUP: N/A

REPORTABLE QUANTITY: N/A

FLASH POINT: N/D

15. REGULATORY INFORMATION  
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TSCA STATUS: Exempt

RCRA STATUS: N/D

CERCLA STATUS: N/D

PROP 65 (CA): N/D

SARA STATUS: N/D

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16. OTHER INFORMATION  
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REASON FOR ISSUE: Corrected typographical error in Toxicological Information (Section 11). No other revisions.  
APPROVAL DATE: 01/09/04  
SUPERSEDES DATE: 11/07/03

LEGEND: N/A = Not Applicable  
N/D = Not Determined  
N/L = Not Listed  
L = Listed  
C = Ceiling  
S = Short-term  
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