

ProGibb® T&amp;O

ISSUED 11/16/01

## 1. CHEMICAL PRODUCT AND COMPANY IDENTIFICATION

MATERIAL NAME: ProGibb® T&amp;O

EPA Registration No. 73049-15

Drug Code: 11844 \* 34775

List Number: 5016 \* 96808

MANUFACTURER: Valent BioSciences Corporation

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: 4.0000 %

CAS/RTECS NUMBERS: 77-06-5 / LY8990000

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: 10 mg/m<sup>3</sup>

LIMITS STEL: N/A

CEILING: N/A

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2. COMPOSITION/INFORMATION ON INGREDIENTS, continued  
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INGREDIENT NAME: Isopropanol  
CONCENTRATION: 96.0000 %  
CAS/RTECS NUMBERS: 67-63-0 / NT8050000  
OSHA-PEL 8HR TWA: 400 ppm  
          STEL: N/L  
          CEILING: N/L  
ACGIH-TLV 8HR TWA: 400 ppm  
          STEL: 500 ppm  
          CEILING: N/L  
OTHER 8HR TWA: N/A  
LIMITS STEL: N/A  
          CEILING: N/A

EEC (European Community):  
    Symbol Designation: N/D  
    Risk Phrases: N/D  
    Safety Phrases: N/D

3. HAZARDS INFORMATION  
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EMERGENCY OVERVIEW: Flammable Liquid. This material is an eye and skin irritant.

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

INGESTION RATING: None

SKIN ABSORPTION RATING: None

INHALATION RATING: None

CORROSIVENESS RATING: None

SKIN CONTACT RATING: None

SKIN SENSITIZATION RATING: None

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### 3. HAZARDS INFORMATION, continued

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EYE CONTACT RATING: Irritant

TARGET ORGANS: Eyes, central nervous system, reproductive system,  
possibly skin

CARCINOGENICITY RATING: NTP: NL IARC: NL OSHA: NL  
ACGIH: NL  
None.

SIGNS AND SYMPTOMS: N/D. Overexposure to the alcohol by inhalation or ingestion can cause flushing, headache, dizziness, mental depression, nausea, vomiting, drowsiness, anesthesia and coma. Vapor levels at or above 400 ppm for 3-5 minutes cause mild irritation to eyes, nose, and throat. Dryness or cracking of skin may occur after prolonged or repeated contact.

MEDICAL CONDITIONS AGGRAVATED BY EXPOSURE: N/D. Pre-existing eye, skin, or respiratory disease.

### 4. FIRST AID MEASURES

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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

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FLASH POINT: 53 F (for Isopropanol)

FLASH POINT METHOD: Closed Cup

LOWER EXPLOSIVE LIMIT(%): 2.0% (for Isopropanol)

UPPER EXPLOSIVE LIMIT(%): 8.0% (for Isopropanol)

AUTOIGNITION TEMPERATURE: 750 F (for Isopropanol)

FIRE & EXPLOSION HAZARDS: Flammable liquid, keep away from sparks and open flame.

EXTINGUISHING MEDIA: Use "alcohol" foam, carbon dioxide or dry chemical. Water may be ineffective.

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

## 6. ACCIDENTAL RELEASE MEASURES

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

## 7. HANDLING AND STORAGE

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HANDLING: N/D.

STORAGE: Keep containers tightly closed when not in use. Keep away from heat and open flame.

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

## 8. EXPOSURE CONTROLS/PERSONAL PROTECTION

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ENGINEERING CONTROLS: Use local exhaust.

RESPIRATORY PROTECTION: Air purifying respirator with organic vapor filter.

## 8. EXPOSURE CONTROLS/PERSONAL PROTECTION, continued

SKIN PROTECTION: Butyl or nitrile rubber.

EYE PROTECTION: Full-face respirator.

OTHER PROTECTION: Wear saranex tyvek coveralls if contact may occur.

## 9. PHYSICAL AND CHEMICAL PROPERTIES

APPEARANCE/PHYSICAL STATE: Colorless to light yellow liquid

ODOR: Characteristic

BOILING POINT: 82.5 C (for Isopropanol)

MELTING/FREEZING POINT: -92.8 C

VAPOR PRESSURE (mm Hg): 33 mmHg @ 20C (for Isopropanol)

VAPOR DENSITY (Air=1): 2.07 (for Isopropanol)

EVAPORATION RATE: N/D

BULK DENSITY: N/D

SPECIFIC GRAVITY: 0.79

SOLUBILITY: Miscible with water and most solvents

pH: 3-4

VISCOSITY: N/D

## 10. STABILITY AND REACTIVITY

CHEMICAL STABILITY: N/D

INCOMPATIBILITIES: Oxidizing materials and strong acids.

HAZARDOUS DECOMPOSITION PRODUCTS: N/D.

HAZARDOUS POLYMERIZATION: N/D.

## 11. TOXICOLOGICAL INFORMATION

ORAL TOXICITY: LD50 > 5,000 mg/kg in rats.

DERMAL TOXICITY: LD50 > 2,000 mg/kg in rabbits.

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11. TOXICOLOGICAL INFORMATION, continued  
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INHALATION TOXICITY: Not lethal in an inhalation study with rats at an aerosol concentration of 5.67 mg/L/4 hours.

CORROSIVENESS: N/D

DERMAL IRRITATION: Animals exhibited mild to moderate redness that recovered in 10 days in a skin irritation test in rabbits. The primary irritation index was 1.6 on a scale of 0 to 8.

OCULAR IRRITATION: Produced mild to moderate corneal opacity, mild iritis and mild to severe conjunctival redness, swelling and discharge recovering in 28 days in an eye irritation test in rabbits. Superficial corneal vascularization developed in one animal. The maximum total irritation score was 28.3 on a scale of 0-110.

DERMAL SENSITIZATION: Did not produce a sensitization response in the Buehler assay in guinea pigs at a challenge concentration of 10% in water.

SPECIAL TARGET ORGAN EFFECTS: N/D. Gibberellic acid is a plant growth hormone that has been reported to have estrogenic and androgenic activity in animals. 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. The primary component is a central nervous system depressant. Repeated exposure at high concentrations (2.5% or greater in drinking water) produced a variety of reproductive, fertility and developmental effects in rats.

CARCINOGENICITY INFORMATION: N/D

12. ECOLOGICAL INFORMATION  
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ECOLOGICAL INFORMATION: N/D

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

14. TRANSPORTATION INFORMATION  
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DOT STATUS: Regulated  
PROPER SHIPPING NAME: Isopropanol Solution, 3, UN1219, II  
HAZARD CLASS: 3  
UN NUMBER: UN1219  
PACKING GROUP: II  
REPORTABLE QUANTITY: N/A

IATA/ICAO STATUS: Regulated  
PROPER SHIPPING NAME: Isopropanol Solution  
HAZARD CLASS: 3  
UN NUMBER: UN1219  
PACKING GROUP: II  
REPORTABLE QUANTITY: N/A

IMO STATUS: Regulated  
PROPER SHIPPING NAME: Isopropanol Solution  
HAZARD CLASS: Class 3.2  
UN NUMBER: UN1219  
PACKING GROUP: II  
REPORTABLE QUANTITY: N/A  
FLASH POINT: 53 F (for Isopropanol)

15. REGULATORY INFORMATION  
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TSCA STATUS: Exempt

CERCLA STATUS: N/D

SARA STATUS: N/D

RCRA STATUS: N/D

PROP 65 (CA): N/D

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16. OTHER INFORMATION  
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LEGEND: N/A = Not Applicable  
N/D = Not Determined  
N/L = Not Listed  
L = Listed  
C = Ceiling  
S = Short-term  
(R) = Registered Trademark of Valent BioSciences  
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