

Material Safety Data Sheet

SECTION 1. PRODUCT AND COMPANY IDENTIFICATION

Deoxyarbutin Powder 99%

Product Name: Deoxyarbutin Powder

INCI Name: Tetrahydropyranyloxy Phenol

CAS No.: 53936-56-4

Molecular Formula: C₁₁H₁₄O₃

Molecular Weight: 194.23 g/mol

Recommended Use: Cosmetic raw material

Origin: China

Supplier: Botanic Planet Canada Inc.

Address: 2 Bram Crt Unit # 3-4 Brampton, Ontario, Canada

Telephone number: 905-455-4444

Emergency phone number (613)-996-6666 CANUTEC 24 HOUR EMERGENCY

SECTION 2 – HAZARD IDENTIFICATION

GHS Signal Word: Warning



Hazard Statements commonly reported for this substance:

- H315: Causes skin irritation.
- H319: Causes serious eye irritation.
- H335: May cause respiratory irritation.

Avoid breathing dust. Wear protective gloves and eye protection. Wash thoroughly after handling.

SECTION 3 – COMPOSITION / INFORMATION ON INGREDIENTS

Ingredient	CAS No.	Concentration
Deoxyarbutin / Tetrahydropyranyloxy Phenol	53936-56-4	≥99.0%
Other constituents	Proprietary	Proprietary Blend

SECTION 4 – FIRST-AID MEASURES

Eye Contact: Rinse cautiously with plenty of water for at least 15 minutes. Remove contact lenses if present and easy to do. Continue rinsing. Obtain medical attention if irritation persists.

Skin Contact: Wash thoroughly with soap and water. Remove contaminated clothing. Seek medical attention if irritation develops or persists.

Inhalation: Move person to fresh air and keep comfortable for breathing. Obtain medical attention if respiratory irritation or other symptoms persist.

Ingestion: Rinse mouth. Do not induce vomiting unless directed by medical personnel. Contact a physician or poison centre if swallowed or symptoms occur.

These measures are broadly consistent with current supplier SDS guidance.

SECTION 5 – FIRE-FIGHTING MEASURES

Suitable Extinguishing Media: Dry chemical, carbon dioxide, water spray or appropriate foam.

Specific Hazards: Organic powder may burn under fire conditions. Avoid creating excessive airborne dust.

Hazardous Combustion Products: Carbon monoxide, carbon dioxide and other irritating decomposition products. Firefighters should use appropriate protective equipment and self-contained breathing apparatus when necessary.

SECTION 6 – ACCIDENTAL RELEASE MEASURES

Avoid breathing dust and prevent unnecessary dust generation.

Wear appropriate gloves, eye protection and respiratory protection where airborne powder may be generated. Carefully sweep, scoop or vacuum material and place in a suitable closed container for disposal. Avoid release into drains, waterways and the environment.

SECTION 7 – HANDLING AND STORAGE

Handling

Avoid contact with eyes and skin. Avoid breathing dust. Use adequate ventilation and follow good industrial hygiene practices.

Do not eat, drink or smoke while handling the material. Wash hands thoroughly after use.

Storage

Keep container tightly closed in a cool, dry, well-ventilated area. Protect from moisture, excessive heat, direct sunlight and incompatible materials.

Long-term storage recommendations can vary by supplier and grade; for example, some technical suppliers specify refrigerated storage. The actual supplier's storage specification should take precedence.

SECTION 8 – EXPOSURE CONTROLS / PERSONAL PROTECTION

Protection	Recommendation
Eye Protection	Safety glasses or chemical safety goggles
Hand Protection	Suitable protective gloves
Skin Protection	Protective clothing as appropriate
Respiratory Protection	Particulate/dust protection where adequate ventilation cannot control airborne dust
Ventilation	Adequate general or local exhaust ventilation
Hygiene	Wash hands thoroughly after handling

SECTION 9 – PHYSICAL AND CHEMICAL PROPERTIES

Property	Specification
Appearance	White powder
Physical State	Solid
Assay	≥99.0%
Molecular Formula	C ₁₁ H ₁₄ O ₃
Molecular Weight	194.23 g/mol
Melting Point	85–90°C
Alcohol Solution	Transparent, colorless, no suspended matter
Water Solubility	Insoluble / very slightly soluble
Ethanol Solubility	Soluble
Loss on Drying	≤0.5%
Residue on Ignition	≤0.5%
Flash Point	Not established

Published technical data confirm that Deoxyarbutin has poor water solubility and is soluble in ethanol; melting-point specifications vary somewhat by grade.

SECTION 10 – STABILITY AND REACTIVITY

Stability: Stable under recommended handling and storage conditions.

Conditions to Avoid: Excessive heat, moisture, incompatible materials and unnecessary dust generation.

Incompatible Materials: Strong oxidizing agents.

Hazardous Decomposition Products: Carbon monoxide and carbon dioxide may form during combustion or thermal decomposition.

Hazardous Polymerization: Not expected.

SECTION 11 – TOXICOLOGICAL INFORMATION

Potential exposure routes include inhalation, ingestion, skin contact and eye contact.

Skin: May cause irritation.

Eyes: May cause serious eye irritation.

Inhalation: Dust may irritate the respiratory tract.

Ingestion: Harmful effects have been reported in some supplier hazard classifications.

Because supplier classifications differ, toxicological statements for a commercial cosmetic grade should be based on the manufacturer's current SDS and test data.

SECTION 12 – ECOLOGICAL INFORMATION

Complete product-specific ecological information has not been established in this document.

Avoid uncontrolled release into soil, drains, sewers and waterways.

SECTION 13 – DISPOSAL CONSIDERATIONS

Dispose of product, contaminated materials and packaging in accordance with applicable municipal, provincial and federal regulations.

Do not dispose of significant quantities into drains or waterways.

SECTION 14 – TRANSPORT INFORMATION

Available supplier information indicates that Deoxyarbutin is generally not classified as dangerous goods for ordinary transport, but the classification should be confirmed for the specific commercial grade and jurisdiction before shipment.

Transport Information Classification

UN Number Not assigned

Proper Shipping Name Not applicable

Transport Hazard Class Not assigned

Transport Information Classification

Packing Group	Not assigned
TDG	Not expected to be regulated as dangerous goods
IATA	Not expected to be regulated as dangerous goods
IMDG	Not expected to be regulated as dangerous goods

SECTION 15 – REGULATORY INFORMATION

The purchaser and finished-product manufacturer are responsible for determining the regulatory suitability of Deoxyarbutin for the intended application and market.

Important: Regulatory and safety assessment should be completed before using Deoxyarbutin in finished cosmetic products, particularly because of its potential to form hydroquinone under certain conditions.

SECTION 16 – OTHER INFORMATION

Product: Deoxyarbutin Powder 99%

INCI: Tetrahydropyranyloxy Phenol

CAS: 53936-56-4

Formula: $C_{11}H_{14}O_3$

Molecular Weight: 194.23 g/mol

Intended Use: Cosmetic raw material

This product is a 100% pure and natural. It does not contain any artificial ingredients or adulteration of any kind to the best of our knowledge and specifications. The analysis and statements herein constitute the most complete information available to Botanic Planet Canada Inc. Please refer to all relevant technical information specific to the product, prior to use. This information contained in this material safety Data sheet is obtained from current and reliable sources. As an ordinary or otherwise user(s) of this product is outside the control of Botanic Planet Canada Inc., no representation or warranty, expressed or implied is made as to the effect(s) of such use (s) (including damages or injury) or any obtained. Botanic Planet Canada Inc. expressly disclaims responsibility as to the ordinary or otherwise uses. Furthermore, Botanic Planet Canada Inc. makes no claims as to the fitness for any use, and you should consider nothing container herein as a recommendation. The Liability of botanic Planet Canada Inc. is limited to the value of the goods and does not include any consequential loss. In the event of any dispute, the Customer hereby agrees that Jurisdiction is limited to the province of Ontario Canada.

Botanic Planet Canada Inc. 2 Bram Court, Unit # 3-4 Brampton, Ontario, L6W 3R6 Canada
Email: info@botanicplanet.ca www.botanicplanet.ca