

Safety Data Sheet (SDS)

Created on November 20, 2024

Revised on March 24, 2025

1 Chemical Product and Company Identification

Name of chemicals	17 beta-Methoxy-5 beta-androstan-3 alpha-ol 3-phosphate
Supplier's company name	BioPhenoMA Inc.
Address	1-22-3 Nishiwaseda, Shinjuku-ku, Tokyo, Waseda University Entrepreneurship Center
E-mail address	info@biophenoma.com
Recommended Use and Restriction on Use	For research use only

2 Hazards Identification

GHS Classification

Acute toxicity (oral)	Not classifiable
Acute toxicity (skin)	Not classifiable
Acute toxicity (inhalation: gas)	Not classifiable
Acute toxicity (inhalation: vapor)	Not classifiable
Acute toxicity (inhalation: dust, mist)	Not classifiable
Skin corrosion/irritation	Not classifiable
Serious eye damage and eye irritation	Not classifiable
Respiratory sensitization	Not classifiable
Skin sensitization	Not classifiable
Germ cell mutagenicity	Not classifiable
Carcinogenicity	Not classifiable
Reproductive toxicity	Not classifiable
Reproductive toxicity/Effects on or via lactation	Not classifiable

Specific target organ toxicity (single exposure) (1)	Not classifiable
Specific target organ toxicity (single exposure) (2)	Not classifiable
Specific target organ toxicity (single exposure) (3)	Not classifiable
Specific target organ toxicity (single exposure) (4)	Not classifiable
Specific target organ toxicity (single exposure) (5)	Not classifiable
Specific target organ toxicity (single exposure) (6)	Not classifiable
Specific target organ toxicity (single exposure) (7)	Not classifiable
Specific target organ toxicity (single exposure) (8)	Not classifiable
Specific target organ toxicity (single exposure) (9)	Not classifiable
Specific target organ toxicity (single exposure) (10)	Not classifiable
Specific target organ toxicity (repeated exposure) (1)	Not classifiable
Specific target organ toxicity (repeated exposure) (2)	Not classifiable
Specific target organ toxicity (repeated exposure) (3)	Not classifiable
Specific target organ toxicity (repeated exposure) (4)	Not classifiable
Specific target organ toxicity (repeated exposure) (5)	Not classifiable
Specific target organ toxicity (repeated exposure) (6)	Not classifiable
Specific target organ toxicity (repeated exposure) (7)	Not classifiable
Specific target organ toxicity (repeated exposure) (8)	Not classifiable
Specific target organ toxicity (repeated exposure) (9)	Not classifiable
Specific target organ toxicity (repeated exposure) (10)	Not classifiable
Aspiration hazard	Not classifiable

Label elements

3 Composition and Information on Ingredients

Substance or compound	Chemical substances
Chemical name or common name	17 β -methoxy-5 β -androstane-3 α -ol 3-phosphate
Other name	17 beta-Methoxy-5 beta-androstane-3 alpha-ol 3-phosphate
Molecular formula (molecular weight)	C ₂₀ H ₃₅ O ₅ P
CAS Registry Number (CAS RN)	1400667-30-2

4 First-aid measures

If inhaled	Remove victim to fresh air and keep at rest in a position comfortable for breathing. Seek medical attention and advice if the victim feels unwell.
If on skin	Take off/remove immediately contaminated clothing. Wash immediately with soap and plenty of water. If skin irritation persists: Get medical advice/attention.
If in eyes	Wash carefully with water for several minutes. Remove contact lenses if present and easy to do. Continue rinsing. If eye irritation persists, seek medical advice/attention.
If swallowed	Rinse mouth. If the victim feels unwell, seek medical attention and advice.
Most important symptoms and effects, both acute and delayed	No information available
Indication of any immediate medical attention and special treatment needed	Wear protective equipment such as rubber gloves.
Special precautions for physicians	No information available

5 Firefighting Measures

Suitable Extinguishing Media	Water spray, Powder extinguishing media, Foam, Carbon dioxide
Unsuitable extinguishing media	No information available
Special hazards arising from fire	May generate hazardous combustion gases and vapors.
Specific extinguishing methods	No information available
Special protective equipment and preventive measures for firefighting personnel	While firefighting, wear suitable air breathing apparatus and protective clothing.

6 Accidental Release Measures

Personal precautions, protective equipment, and emergency measures	Provide local exhaust ventilation and general ventilation and avoid contact with and inhalation of leakage. Deny unnecessary entry other than the people involved. While working, wear protective clothing. Retract the people downwind, and work from windward.
Attention to environment	To be careful not discharged to the drainage channels.
Method and equipment for containment/purifying	Sweep up leakage, and collect in a tightly closed container.
Prevention of secondary hazards	Clean contaminated areas thoroughly.

7 Handling and Storage

Handling

Technical measures	Wear appropriate protective equipment. Use with local exhaust ventilation.
Precautions for safe handling	Avoid contact with skin, eyes or clothing. Handle in a well-ventilated place.
Avoid contact	No information available
Hygiene measures	Wash hands and face thoroughly after handling.

Storage

Safe storage conditions	Keep container tightly closed and store in a freezer at -20°C or below.
Safe container or packaging material	Use plastic containers with sufficient strength.

8 Exposure Controls and Personal Protection

Control concentrations		Not set
Permissible concentration	Japan Society for Occupational Health	Not set
	ACGIH	Not set
Facility measures		Install enclosed facilities or local exhaust ventilation. Install eye washers and safety showers in work areas where this material is handled.
Protective equipment	Respiratory protective equipment	Dust mask
	Hand protection	Protective gloves
	Eye/face protection	Protective glasses
	Skin and body protection	Protective clothing

9 Physical and Chemical Properties

Physical state

Appearance	Physical state	Powder
	Color	White
Odor		No information available

Characteristics

Melting point/solidifying point	187 - 188°C
Boiling point or initial boiling point and boiling range	No information available
Flammability	No information available

Lower and upper explosion limits/ flammability limit	No information available
Flash point	No information available
Autoignition point	No information available
Decomposition temperature	No information available
pH	No information available
Kinematic viscosity	No information available
Solubility	No information available
n-octanol/water partition coefficient (log value)	No information available
Vapor pressure	No information available
Density and/or relative density	No information available
Relative gas density	No information available
Particulate characteristics	No information available
Other data	No information available

10 Stability and Reactivity

Reactivity	No information available
Chemical stability	Stable under recommended storage conditions.
Possibility of hazardous reactions	No information available
Conditions to avoid	High temperature
Incompatible materials	Oxidizing agents
Hazardous decomposition products	Carbon dioxide, carbon monoxide

11 Toxicological Information

Acute toxicity (oral)	No information available
Acute toxicity (skin)	No information available
Acute toxicity (inhalation: gas)	No information available
Acute toxicity (inhalation: vapor)	No information available
Acute toxicity (inhalation: dust, mist)	No information available
Skin corrosion/irritation	No information available
Serious eye damage and eye irritation	No information available
Respiratory sensitization	No information available
Skin sensitization	No information available
Germ cell mutagenicity	Mutagenicity was reported as negative in the Ames Test (Mutagenicity Test using Microorganisms) conforming to the GLP of the Industrial Safety and Health Act.
Carcinogenicity	No information available
Reproductive toxicity	No information available
Reproductive toxicity/Effects on or via lactation	No information available
Specific target organ toxicity (single exposure)	No information available
Specific target organ toxicity (repeated exposure)	No information available
Aspiration hazard	No information available

12 Ecological Information

Ecotoxicity	Aquatic environmental hazard (short-term/ acute)	No information available
	Aquatic environmental hazard (long-term/ chronic)	No information available
Persistence and degradability		No information available
Bioaccumulation potential		No information available
Mobility in soil		No information available
Hazards to the ozone layer		No information available

13 Disposal Considerations

Waste from residues	Dispose of the waste from residues in accordance with the relevant laws and regulations and local government standards.
Contaminated containers and packaging	When disposing of empty containers, completely remove the contents beforehand. Dispose of the waste from residues in accordance with the relevant laws and regulations and local government standards.

14 Transport Information

UN number	Not applicable
Product name (UN transport name)	Not applicable
UN classification (Hazard class in transport)	Not applicable
Secondary hazard	Not applicable
Packing group	Not applicable

Marine pollutants	Not applicable
Liquid substances transported in bulk according to MARPOL 73/78 Annex II and IBC Code	Not applicable
Other safety measures	Not applicable
Maritime regulations	Not applicable
Aviation regulations information	Not applicable
Ground regulations information	Not applicable

15 Regulatory Information

Industrial Safety and Health Law	Not applicable
Act on Confirmation, etc. of Release Amounts of Specific Chemical Substances in the Environment and Promotion of Improvements to the Management Thereof (PRTR Law)	Not applicable
Poisonous and Deleterious Substances Control Act	Not applicable
Labor Standards Act	Not applicable
Chemical Substances Control Law	Not applicable
Fire Services Act	Not applicable
Air Pollution Control Act	Not applicable
Water Pollution Control Act	Not applicable
Water Supply Act	Not applicable
Sewerage Act	Not applicable
Act on Prevention of Marine Pollution	Not applicable
Act on Waste Management and Public Cleaning	Not applicable

16 Other Information

Disclaimer

This SDS has been prepared in accordance with JIS Z7253:2019.