



MATERIAL SAFETY DATA SHEET

According to Regulation(EC) N° 1907/2006 REACH

Date of issue : December 19, 2013

Section 1 - Product and Company Information

- 1.1. Product Name: Vitagen
- 1.2. Use Of The Substance: Product for cosmetic use
- 1.3. Details Of Supplier

Maha Chemicals (Asia) Pte Ltd
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sales@mahachem.com

Section 2 - Hazards Identification

- 2.1. Classification Of The Substance or Mixture
- Classification according Directive 67/548/EEC: Not classified
- 2.2. Hazardous Component(s): No hazardous materials present
- 2.3. For additional information on toxicity, please refer to Section 11.

Section 3 - Composition/Information on Ingredient

- 3.1. Single or Mixture : Single
- 3.2. Composition/Information

INCI Name	CAS No.(EINECS)	Content	Remark
Aminopropyl Ascorbyl Phosphate	220644- 17- 7	100%	

***This Product does not contain any animal derived material**

- 3.3. Chemical formula: C₉H₁₆NO₇P

Section 4 - First Aid Measures

- 4.1. Description Of First Aid Measures

- Oral Exposure

If swallowed, wash out mouth with water provided person is conscious. Call a physician.

-Inhalation Exposure

If inhaled, remove to fresh air. If not breathing, give artificial respiration. If not breathing give artificial respiration. If breathing is difficult, give oxygen.

- Dermal Exposure

In case of contact, immediately wash skin with soap and copious amounts of water

- Eye Exposure

In case of contact, immediately flush eyes with copious amounts of water for at least 15 minutes.

4.2. Most important symptoms and effects, both acute and delayed: Not available

4.3. Indication of any immediate medical attention and special treatment needed: Not available

Section 5 - Fire Fighting Measures

5.1. Extinguishing Media

- Suitable: Water spray, Carbon dioxide, dry chemical powder, or appropriate foam.

- Unsuitable: None

5.2. Fire Fighting

- Protective Equipment: Wear self-contained breathing apparatus and protective clothing to prevent contact with skin and eyes.

5.3. Exposure Hazard(s)

- Material: No hazardous materials present

Section 6 - Accidental Release Measures

6.1. Procedure(s) Of Personal precaution(s) : Water respirator, chemical safety goggles, rubber boots, and heavy rubber gloves.

6.2. Methods For Cleaning Up: Sweep up, place in a bag and hold for waste disposal.

Avoid raising dust or spray. Ventilate area and wash spill site after material pick-up is complete.

Section 7 - Handling and Storage

7.1. Handling: User Exposure: Do not breathe dust or spray. Avoid contact with eyes, skin, and clothing.

7.2. Storage

Suitable: Keep tightly closed. Store in a cool dry place.

Section 8 - Exposure Controls / PPE

8.1. Engineering Controls: Safety shower and eye bath. Mechanical exhaust required.

8.2. Personal Protective Equipment

- Respiratory: Government approved respirator.
- Hand: Compatible chemical- resistant gloves.
- Eye: Chemical safety goggles.

8.3. General Hygiene Measures: Wash thoroughly after handling. Wash contaminated clothing before reuse.

Section 9 - Physical/Chemical Properties

Appearance	White to pale yellow powder
Odor	Slightly characteristic odor
Molecular weight	313.20
pH(1%)	1.7~3.7
BP/BP Range	N/A
MP/MP Range	176-180°C
Freezing Point	N/A
Vapor Pressure	N/A
Vapor Density	N/A
Saturated Vapor Conc.	N/A
Specific Gravity/Density	N/A
Bulk Density	N/A
Odor Threshold	N/A
Volatile%	N/A
VOC Content	N/A
Water Content	<1%
Solvent Content	N/A
Evaporation Rate	N/A
Viscosity	N/A
Surface Tension	N/A
Partition Coefficient	N/A
Decomposition Temp.	N/A
Flash Point	N/A

Explosion limits	N/A
Flammability	N/A
Auto-ignition Temp.	N/A
Refractive Index	N/A
Optical Rotation	N/A
Miscellaneous Data	N/A
Solubility	Water soluble

Section 10 - Stability and Reactivity

10.1. Stability: Stable

10.2. Materials To Avoid: Strong oxidizing agents. Heat

10.3. Hazardous Decomposition Products

-Hazardous Decomposition: Will not occur

-Hazardous Polymerization: Will not occur

Section 11 - Toxicological Information

11.1. Route Of Exposure

-Inhalation: Material may be irritating to mucous membranes and upper respiratory tract.

-Multiple Routes: May be harmful by inhalation, ingestion, or skin absorption.

11.2. Target Organ(s) Or System(s): Not available

11.3. Conditions Aggravated By Exposure: Not available

11.4. OTHERS

-Skin Irritation (Human) : not irritant

Section 12 - Ecological Information

No data available.

Section 13 - Disposal Considerations

13.1. Appropriate Method Of Disposal Of substance or Preparation

Dissolve or mix the material with a combustible solvent and burn in a chemical incinerator equipped with an afterburner and scrubber. Observe all federal, state, and local environmental regulations.

Section 14 - Transport Information

14.1. UN Proper Shipping Name: Not regulated

14.2. Land Transport (ADR.RID): No dangerous substance in sense of this transport regulation.

14.3. Sea Transport (IMDG): No dangerous substance in sense of this transport regulation.

14.4. Air Transport (IATA): No dangerous substance in sense of this transport regulation.

Section 15 – Regulatory Information

No data available.

Section 16 - Other Information

16.1. Disclaimer

For Industrial Use Only. Not for drug, food or other uses.

16.2. Warranty

The above information is believed to be correct but does not purport to be all inclusive and shall be used only as a guide. The information in this document is based on the present state of our knowledge and is applicable to the product with regard to appropriate safety precautions. It does not represent any guarantee of the properties of the product. MacroCare Tech., Ltd. shall not be held liable for any damage resulting from handling or from contact with the above product.