



Material Safety Data Sheet

Ascorbyl Palmitate MSDS

1. SUBSTANCE IDENTIFICATION

- 1.1. Product Name: [Ascorbyl Palmitate](#)
- 1.2. Description: Ascorbyl Palmitate is a fat-soluble form of vitamin C manufactured through chemical synthesis.
- 1.3. Chemical Formula: C₂₂H₃₈O₇
- 1.4. Molecular weight: 414.533
- 1.5. CAS #: 137-66-6
- 1.6. EINECS #: 205-305-4
- 1.7. Manufactured by: Foodchem International Corporation, Shanghai China.
- 1.8. Supplied by: Foodchem International Corporation, Shanghai China.
- 1.9. Usage: In food as antioxidant

2. Composition

- 2.1. Ascorbyl Palmitate: >98%
- 2.2. Hazardous impurities: ASSAY 98.0%~100.5%, SPECIFIC ROTATION +21.0 ° ~+24.0 ° , LOSS ON DRYING 1.0%, SULPHATED ASH 0.1%, HEAVY METALS 10PPM

3. Physical/Chemical Characteristics

- 3.1. Physical State: Powder
- 3.2. Appearance: A WHITE OR YELLOWISH WHITE POWDER
- 3.3. Odor: Citrus-like
- 3.4. pH: 5.5
- 3.5. Melting point/range: 116 ° C (240.8 ° F)
- 3.6. Boiling point: Not available
- 3.7. Bulk density: 1.15 g/cm³
- 3.8. Solubility: Very slightly soluble in water

4. Stability/Reactivity

- 4.1. Chemical Stability: Stable under normal temperatures and pressures
- 4.2. Shelf Life: 24 months period
- 4.3. Hazardous decomposition: carbon oxides (CO, CO₂).
- 4.4. Hazardous polymerization: Will not occur
- 4.5. Incompatible with: Not available

5. Handling/Storage

- 5.1. Storage: Kept in dry, cool, and shaded place with original packaging, avoid moisture, store at room temperature.
- 5.2. Handling precaution: Keep away from heat. Keep away from sources of ignition. Empty containers pose a fire risk, evaporate the residue under a fume hood. Ground all equipment containing material. Do not ingest. Do not breathe dust

6. Exposure Control

- 6.1. Engineering Controls: Use process enclosures, local exhaust ventilation, or other engineering controls to keep airborne levels below recommended exposure limits.
- 6.2. Respiratory protection: NIOSH/MSHA or European Standard EN 149 approved respirator
- 6.3. Eye Protection: Protective eyeglasses or chemical safety goggles
- 6.4. Skin Protection: Wear appropriate protective gloves and clothes to minimize skin contact.
- 6.5. Other: Consult professionals if Ascorbyl Palmitate need to be handled under some special conditions.



7. Hazards Identification

- 7.1. Hazardous overview: Ascorbyl Palmitate is Hazardous in case of eye contact (irritant), of inhalation. Slightly hazardous in case of skin contact (irritant), of ingestion.
- 7.2. Contact with eyes: May cause eye irritation.
- 7.3. Contact with skin: May cause skin irritation.
- 7.4. Ingestion: May irritate the tissues of the mouth, esophagus, and other tissues of the digestive system
- 7.5. Inhalation: May cause irritation to the respiratory tract and gastrointestinal
- 7.6. Other: Not Applicable

8. First Aid Measures

- 8.1. Contact with eyes: Flush immediately with plenty of water for 15 minutes and seek medical advice
- 8.2. Contact with skin: Wash with soap and water. Get medical attention if irritation develops. Cold water may be used
- 8.3. Ingestion: Do NOT induce vomiting unless directed to do so by medical personnel. Never give anything by mouth to an unconscious person. Loosen tight clothing such as a collar, tie, belt or waistband.
- 8.4. Inhalation: Remove from exposure, move to fresh air and seek medical advice immediately.

9. Fire and Explosion Data

- 9.1. General information: May be combustible at high temperature.
- 9.2. Flash point: 178.1 ° C (352.6 ° F; 451.2 K)
- 9.3. Ignition control: Not applicable
- 9.4. Dust control: Keep the handling area with adequate ventilation
- 9.5. Extinguishing Media: Not Applicable
- 9.6. Spills/Leaks: Vacuum or sweep up material and place into a suitable disposal container

10. Transport Information

- 10.1. No special requirements and no restrictions on transportation by land, sea or air.

11. Ecological Information

- 11.1. Ascorbyl Palmitate is fully biodegradable and the products of degradation are not toxic.

12. Other Information

- 12.1. This Safety Data Sheet of Ascorbyl Palmitate is based upon a limited review of Foodchem International Corporation files and standard Toxicological handbooks. We make no warranty of merchantability or any other warranty, express or implied, with respect to such information, and we assume no liability resulting from its use. Users should make their own investigations to determine the suitability of the information for their particular purposes. In no event shall Foodchem International Corporation be liable for any claims, losses, or damages of any third party or for lost profits or any special, indirect, incidental, consequential or exemplary damages, howsoever arising, even if Foodchem International Corporation has been advised of the possibility of such damages.

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