

Section 1: Identification

Product Name Ascorbyl Palmitate NF
Commercial Name Not available.
Product Use Not available
Restrictions On Use Not available

Product Code 30-3591

Company PCCA
9901 South Wilcrest
Houston, TX 77099
Phone: 1-800-331-2498
Fax: 1-800-874-5760

In case of emergency contact:
CHEMTREC (24hr) 1-800-424-9300

Section 2: Hazard(s) Identification

OSHA Haz Com: Eye irritation, Category 2
CFR 1910.1200

Signal Word WARNING

Hazard Statement(s) May form combustible dust concentrations in air. Causes serious eye irritation.

Pictogram(s) or Symbol(s)

**Precautionary Statement(s):**

Prevention P264 Wash skin thoroughly after handling. P280 Wear eye protection/ face protection.
Response P305 + P351 + P338 IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. P337 + P313 If eye irritation persists: Get medical advice/ attention.
Storage Not available
Disposal Not available

Section 3: Composition/Information on Ingredients

Substance/Mixture Substance
Components Ascorbyl Palmitate NF
% By Weight 100
CAS# 137-66-6
Molecular Weight 414.54 g/mole
Chemical Formula C22H38O7
Synonym(s) L-Ascorbic Acid, 6-Hexadecanoate

Mixtures

Name	CAS#	% by Weight	TLV/PEL	LC50/LD50
Ascorbyl Palmitate NF	137-66-6	100	Not available	Not available

Section 4: First-Aid Measures

Inhalation Move to fresh air. Consult a physician after significant exposure.

Skin Contact Take off contaminated clothing and shoes immediately. Wash off with soap and plenty of water. If symptoms persist, call a physician.

Eye Contact Immediately flush eye(s) with plenty of water. Remove contact lenses. Protect unharmed eye. Keep eye wide open while rinsing. If eye irritation persists, consult a specialist.

Ingestion Rinse mouth with water. Do not give milk or alcoholic beverages. Never give anything by mouth to an unconscious person. Obtain medical attention.

Symptoms/Effects

Acute Not available

Delayed Not available

Immediate Medical Attention

Treat symptomatically.

Section 5: Fire-Fighting Measures**Suitable Extinguishing Media**

Water, Foam

Unsuitable Extinguishing Media

Not available

Products of Combustion

Not available

Firefighters Special Equipment and Precautions

In the event of fire, wear self-contained breathing apparatus. Consider dust explosion hazard.

Section 6: Accidental Release Measures

Personal precautions: Use personal protective equipment. Ensure adequate ventilation. Avoid dust formation. Avoid breathing dust. Environmental precautions: Try to prevent the material from entering drains or water courses. Methods for cleaning up: Pick up and arrange disposal without creating dust.

Section 7: Handling and Storage

Advice on safe handling: Avoid contact with skin and eyes. For personal protection see section 8. Smoking, eating and drinking should be prohibited in the application area. Advice on protection against fire and explosion: Avoid dust formation. Provide appropriate exhaust ventilation at places where dust is formed. Take precautionary measures against static discharges. Hygiene measures: Handle in accordance with good industrial hygiene and safety practice. Wash hands before breaks and at the end of workday. Requirements for storage areas and containers: To maintain product quality, do not store in heat or direct sunlight. Keep container tightly closed and dry.

Section 8: Exposure Controls/Personal Protection

Exposure Limits Not available.

Engineering Controls Not available

Personal Protection Eye protection: Safety glasses with side-shields Hand protection: Consider the hazard characteristics of this product and any special workplace conditions when selecting the appropriate type of protective gloves. Glove material: for example nitrile rubber Skin and body protection: Choose body protection according to the amount and concentration of the dangerous substance at the work place. Respiratory protection: In the case of dust or aerosol formation use respirator with an approved filter.

Section 9: Physical and Chemical Properties

Appearance	white - pale yellow powder		
Odor	odourless		
Odor Threshold	Not available.		
Melting Point	107 - 117 °C	pH	Not available.
Freezing Point	Not available.	Vapor Pressure	Not available.
Boiling Point/Range	> 250 °C Decomposes on he	Vapor Density	Not available.
Decomposition temperature	Not available.	Viscosity	Not available.
Partition Coefficient: n-octanol/water	log Pow > 6.5 (OECD Test G	Evaporation Rate	Not available.
Flash Point	Not available	Autoignition temperature	Not available
Flammability	May form combustible dust c	Flammability or Explosive Limits:	
		Lower	Not available.
		Upper	Not available.
Solubility(ies)	< 10.3 mg/l (20 °C; OECD Test Guideline 105) practically insoluble in water. Methanol: 183 g/l (ca. 22 °C) Ethanol: 125 g/l (ca. 22 °C) Peanut oil: 0.3 g/l (ca. 22 °C)		
Other	Not available.		

Section 10: Stability and Reactivity

Reactivity	Not available.
Chemical Stability	Stable under recommended storage conditions.
Hazardous Polymerization	Dust may form explosive mixture in air.
Conditions to Avoid	Heat
Incompatible Materials	Strong acids and strong bases Strong oxidizing agents
Hazardous Decomposition Products	No decomposition if used as directed.

Section 11: Toxicological Information

RTECS	CI7671040
Acute Toxicity	Acute oral toxicity : LD50 (Rat): > 10,000 mg/kg : LD50 (Mouse): 25,000 mg/kg Acute dermal toxicity : LD50 (Guinea pig): > 3,000 mg/kg
Skin Corrosion/Irritation	No skin irritation (In vitro study, OECD Test Guideline 439)
Serious Eye Damage/Irritation	No eye irritation (Bovine cornea, OECD Test Guideline 437) Eye irritation (In vitro study, OECD Test Guideline 492) Dust contact with the eyes can lead to mechanical irritation.
Respiratory or Skin Sensitization	Does not cause skin sensitisation. (Mouse, Local Lymph Node Assay (LLNA), OECD Test Guideline 429)
Germ Cell Mutagenicity	Not available
Carcinogenicity	Not available
Reproductive Toxicity	Not available
Routes of Entry	Not available.

Symptoms Related to Exposure

Not available

Potential Health Effects

May irritate skin. Oral intake up to 9 g ascorbic acid per day does not produce any serious toxic effects. However, diarrhoea can occur even with lower consumption levels

Target Organ(s) May irritate eyes. May cause irritation of respiratory tract.

Section 12: Ecological Information**Ecotoxicity**

Toxicity to daphnia and other aquatic invertebrates: Daphnia magna (Water flea) EC50 (48 h) > 0.1 mg/l No toxicity at the limit of solubility (OECD Test Guideline 202) Toxicity to algae : Pseudokirchneriella subcapitata (green algae) EC50 (72 h) > 0.34 mg/l No toxicity at the limit of solubility (OECD Test Guideline 201) : NOEC (72 h) >= 0.34 mg/l No toxicity at the limit of solubility (OECD Test Guideline 201)

Persistence and Degradability

Readily biodegradable. 93 % (28 d) (OECD Test Guideline 301B)

Bioaccumulative Potential

log Pow > 6.5 (OECD Test Guideline 117)

Mobility in Soil

Not available

Other Adverse Effects

Not available

Section 13: Disposal Considerations**Waste Disposal**

Discharge into the environment must be avoided. Do not contaminate ponds, waterways or ditches with chemical or used container. Do not dispose of waste into sewer. Offer surplus and non-recyclable solutions to a licensed disposal company.

Disposal of Container

Dispose of as unused product. Do not re-use empty containers.

Other Considerations

Not available

Section 14: Transport Information**DOT Classification**

Not a DOT controlled material (United States). This material is not classified dangerous good according to international transportation regulations (ADR/RID-IMDG-ICAO/IATA).

Section 15: Regulatory Information**Regulations**

Not available

Other

Not available

Section 16: Other Information

Notice to Reader All chemicals may pose unknown hazards and should be used with caution. This Material Safety Data Sheet (MSDS) applies only to the material as packaged. If this product is combined with other materials, deteriorates, or becomes contaminated, it may pose hazards not mentioned in this MSDS. It shall be the user's responsibility to develop proper methods of handling and personal protection based on the actual conditions of use. While this MSDS is based on technical data judged to be reliable, Spectrum Quality Products, Inc. assumes no responsibility for the completeness or accuracy of the information contained herein.