

MATERIAL SAFETY DATA SHEET

K3 VITA-CG

Date Updated : Oct. 17. 2018

Section 1 - Product and Company Information

PRODUCT NAME: K3 VITA-CG
COMPANY: K3 Corporation
ADDRESS: 5311 Tilbury Way, Baltimore, MD 21212
Technical Phone:410-433-1517
Emergency Phone: 800-424-9300
Email: techsupport@k3corp.com

Section 2 - Hazards Identification

HAZARDOUS COMPONENT(S) : No hazardous materials present
For additional information on toxicity, please refer to Section 11.

Section 3 - Composition/Information on Ingredient

Single or Mixture : Single
Substance Name : 2-O- α -D-glucopyranosyl-L-ascorbic acid
INCI Name: Ascorbyl glucoside
EC#: 425-980-0
CAS#: 12949-78-1
Substance formula: C₁₂H₁₈O₁₁

Section 4 - 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 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.

Section 5 - Fire Fighting Measures

FLASH POINT N/A

AUTOIGNITION TEMP N/A

FLAMMABILITY N/A

EXTINGUISHING MEDIA

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

FIREFIGHTING

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

Specific Hazard(s): Emits toxic fumes under fire conditions.

EXPOSURE HAZARD(S)

Material: No hazardous materials present

Section 6 - Accidental Release Measures

PROCEDURE(S) OF PERSONAL PRECAUTION(S)

Wear respirator, chemical safety goggles, rubber boots, and heavy rubber gloves.

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 pickup is complete.

Section 7 - Handling and Storage

HANDLING

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

STORAGE

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

Section 8 - Exposure Controls / PPE

ENGINEERING CONTROLS

Safety shower and eye bath. Mechanical exhaust required.

PERSONAL PROTECTIVE EQUIPMENT

Respiratory: Government approved respirator.

Hand: Compatible chemical-resistant gloves.

Eye: Chemical safety goggles.

GENERAL HYGIENE MEASURES

Wash thoroughly after handling. Wash contaminated clothing before reuse.

Section 9 - Physical/Chemical Properties

Appearance White to slightly yellow powder or crystalline powder

Odor Odorless

Molecular Weight 338.26

pH(1% w/w) 2.3-2.4

BP/BP Range N/A

MP/MP Range 158 - 163 oC

Freezing Point N/A

Vapor Pressure N/A

Vapor Density N/A

Saturated Vapor Conc. N/A

SG/Density N/A

Bulk Density N/A

Odor Threshold N/A

Volatile% N/A

VOC Content N/A

Water Content <1.0%

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

Autoignition Temp N/A

Refractive Index N/A

Optical Rotation N/A

Miscellaneous Data N/A

Solubility Water soluble

(N/A = not available)

Section 10 - Stability and Reactivity

STABILITY

Stable.

Materials to Avoid: Strong oxidizing agents. Heat

HAZARDOUS DECOMPOSITION PRODUCTS

Hazardous Decomposition: Will not occur

Hazardous Polymerization: Will not occur

Section 11 - Toxicological Information

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.

TARGET ORGAN(S) OR SYSTEM(S)

N/A

CONDITIONS AGGRAVATED BY EXPOSURE

N/A

OTHERS

ACUTE ORAL TOXICITY (RAT IN ORAL) : 2000mg / kg body weight

ACUTE DERMAL TOXICITY(RAT IN DERMAL): 2000mg / kg body weight

SKIN IRRITATION (RABBIT) : not irritant

EYE IRRITATION(RABBIT): slightly irritation

SENSITIZATION (GUINEA PIG MAXIMIZATION TEST) : no sensitization

ORAL REPEAT DOSE TOXICITY(RAT): 1000mg/ kg body weight

GENOTOXICITY(BACTERIA): non mutagenic

GENOTOXICITY(CHROMSOMAL ABERRATIONS): non genotoxic

GENOTOXICITY(MOUSE MICRONULEUS): non genotoxic

Section 12 - Ecological Information

No data available.

Section 13 - Disposal Considerations

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

DOT

Proper Shipping Name: None

Non-Hazardous for Transport: This substance is considered to be nonhazardous for transport.

IATA

Non-Hazardous for Air Transport: Non-hazardous for air transport.

Section 15 – Regulatory Information

No data available.

Section 16 - Other Information

DISCLAIMER

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

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. K3 Corporation shall not be held liable for any damage resulting from handling or from contact with the above product.