

MATERIAL SAFETY DATA SHEET

(Vitamin C Inj. - Ascorbic acid)

1. Product identification

- 1) Product Name : Vitamin C Injection (Ascorbic acid)
- 2) Recommended use of the chemical and restrictions on use : Not available

2. Composition/Information on Ingredients

- 1) Inged. Name : Ascorbic acid
- 2) CAS : 50-81-7

3. Hazards identification

- 1) Hazard·Risk Classification : Not available
- 2) Label elements including precautionary statements
 - Symbol : -
 - Signal Word : -
 - Hazard·Risk Statement : Not available
 - Precautionary Statement : Not available
- 3) Other Hazard·Risk which are not included in the classification criteria (e.g. dust explosion hazard) : Not available

4. First aid measures

- 1) Eye contact : Not available
- 2) Skin contact : Not available

- 3) Inhalation : Not available
- 4) Ingestion : Not available
- 5) Indication of immediate medical attention and notes for physician
: Not available

5. Fire-Fighting measures

- 1) Suitable (and unsuitable) extinguishing media : Not available
- 2) Specific hazards arising from the chemical (e.g. nature of any hazardous combustion products) : Not available
- 3) Special protective equipment and precautions for fire-fighters
: Not available

6. Accidental release measures

- 1) Personal precautions, protective equipment and emergency procedures
: Not available
- 2) Environmental precautions and protective procedures : Not available
- 3) Methods and materials for containment and cleaning up : Not available

7. Handling and storage

- 1) Precautions for safe handling : Not available
- 2) Conditions for safe storage : Store at 2 ~ 8°C

8. Exposure controls & personal protection

- 1) Control parameters (e.g. occupational exposure limit values, biological limit values) : Not available
- 2) Appropriate engineering controls : Not available

- 3) Personal protective equipment
 - Respiratory protection : Not available
 - Eye protection : Not available
 - Hands protection : Not available
 - Body protection : Not available

9. Physical and chemical properties

- 1) Appearance (physical state, color etc)
: Injection of pale yellow or colorless liquid in a brown glass vial
- 2) Odour : Not available
- 3) Odour threshold : Not available
- 4) pH : Not available
- 5) Melting point/freezing point : Not available
- 6) Initial boiling point and boiling range : Not available
- 7) Flash point : Not available
- 8) Evaporation rate : Not available
- 9) Flammability (solid, gas) : Not available
- 10) Upper/lower flammability or explosive limits : Not available
- 11) Vapor pressure : Not available
- 12) Solubility : Not available
- 13) Vapor density : Not available
- 14) Relative density : Not available
- 15) Partition coefficient: n-octanol/water : Not available
- 16) Auto-ignition temperature : Not available
- 17) Decomposition temperature : Not available
- 18) Viscosity : Not available
- 19) Molecular mass : Not available

10. Stability and reactivity

- 1) Chemical stability and possibility of hazardous reactions : Not available
- 2) Conditions to avoid (e.g. static discharge, shock or vibration, etc)

- : Not available
- 3) Incompatible materials : Not available
 - 4) Hazardous decomposition products : Not available

11. Toxicological information

- 1) Information on the likely routes of exposure : Not available
- 2) Health hazards information
 - Acute toxic : Not available
 - Skin corrosive/irritant : Not available
 - Serious eye damage/eye irritation : Not available
 - Respiratory sensitization : Not available
 - Skin sensitization : Not available
 - Carcinogenicity : Not available
 - Germ Cell Mutagenicity : Not available
 - Reproductive toxicity : Not available
 - Specific target organ toxicity (single exposure) : Not available
 - Specific target organ toxicity (repeated exposure) : Not available
 - Aspiration hazard : Not available

12. Ecological information

- 1) Aquatic and terrestrial ecotoxicity : Not available
- 2) Persistence and degradability : Not available
- 3) Bioaccumulative potential : Not available
- 4) Mobility in soil : Not available
- 5) Other adverse effects : Not available

13. Disposal considerations

- 1) Disposal method : Not available
 - 2) Disposal precaution
(including the disposal method of contaminated container and packaging)
: Not available
-

14. Transport information

- 1) UN number : None
 - 2) UN proper shipping name : None
 - 3) Transport hazard class : Not available
 - 4) Packing group (if applicable) : Not available
 - 5) Marine pollution (yes/no) : Not available
 - 6) Special precaution which a user to be aware of or needs to comply with
in connection with transport or conveyance either within or outside their
premises : Not available
-

15. Regulatory information

- 1) Industrial Safety and Health Act : Not available
 - 2) Toxic Chemical Control Act : Not available
 - 3) Dangerous Material Safety Control Act : Not available
 - 4) Wastes Management Act : Not available
 - 5) Other requirements in domestic and other countries : Not available
-

16. Other information

- 1) Information source and references : Not available
- 2) Issuing date : October 27. 2020
- 3) Revision number and date : None
- 4) others : None