

## 1. IDENTIFICATION OF THE SUBSTANCE / PREPARATION AND OF THE COMPANY / UNDERTAKING

**Product name:** Ascorbic Acid (Vitamin C)

**Company name:** Nexchem Ltd  
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## 2. HAZARDS IDENTIFICATION

**Hazard Description:** Not applicable

**Information concerning particular hazards for human consumption:** Not applicable

**GHS label elements:** Void

## 3. COMPOSITION / INFORMATION ON INGREDIENTS

**Chemical characterisation:**

**Chemical name:** Ascorbic Acid

**Identification numbers:**

**CAS no:** 50-81-7

**EINECS number:** 200-066-2

## 4. FIRST AID MEASURES

**General advice:** No special measures required.

**After inhalation:** Supply fresh air, consult doctor in case of complaints.

**After skin contact:** Generally, the product does not irritate the skin.

**After eye contact:** Rinse opened eye for several minutes (10-15 ) under running water.

**After swallowing:** If symptoms persist consult doctor.

## 5. FIRE-FIGHTING MEASURES

**Suitable extinguishing agents:** CO2 powder, or water spray. Fight larger fires with water spray or alcohol resistant foam.

**Protective equipment:** No special measures required.

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### 6. ACCIDENTAL RELEASE MEASURES

**Person-related safety precautions:** Not required.

**Measures for environmental protection:** Do not allow to enter sewers/surface or ground water.

**Measures for cleaning/collecting:** Pick up mechanically.

**Additional information:** No dangerous substances are released.

### 7. HANDLING AND STORAGE

**Handling:**

**Information for safe handling:** No special measures required.

**Information about fire and explosion protection:** No special measures required.

**Information about storage in one common storage facility:** Not required.

**Further information about storage conditions:** None.

### 8. EXPOSURE CONTROLS / PERSONAL PROTECTION

**Additional information about design of technical facilities:** No further data. See item 7.

**Ingredients with limit values that require monitoring at the workplace:** Not required.

**Additional information:** The lists valid during the making were used as basis.

**Personal Protective Equipment:**

**General protective and Hygienic measures:** The usual precautionary measures are to be adhered to when handling chemicals.

**Respiratory protection:** Not required.

**Protection of hands:** The glove material has to be impermeable and resistant to the product/the substance/the preparation.  
Due to missing tests no recommendation to the glove material can be given for the product/the preparation/the chemical mixture.  
Selection of the glove material on consideration of the penetration time, rates of diffusion and the degradation.

**Material of gloves:** The selection of the suitable gloves does not only depend on the material but also on further marks of quality and varies from manufacturer to manufacturer.

**Penetration time of glove material:** The exact break through time has to be found out by the manufacturer of the protective gloves and has to be observed.

**Eye Protection:** Not required.

[cont...]

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## 9. PHYSICAL AND CHEMICAL PROPERTIES

### General Information:

Form:	Crystalline powder
Colour:	Whitish
Odour:	Odourless
Change in condition:	
Melting point/melting range:	191°C
Boiling point/boiling range:	Undetermined
Flash point	Not applicable
Flammability (solid, gaseous):	Product is not flammable
Danger of explosion:	Product does not present an explosion hazard
Density @ 20°C	0.95 g/cm <sup>3</sup>
Solubility in/ Miscibility with water @ 20°C:	333 g/l

## 10. STABILITY AND REACTIVITY

**Thermal Decomposition/conditions to avoid:** No decomposition if used according to specifications.

**Dangerous reactions:** No dangerous reactions known.

**Dangerous decomposition products:** No dangerous decomposition products known.

## 11. TOXICOLOGICAL INFORMATION

### Acute Toxicity:

#### LD/LC50 values relevant:

**For classification:** Oral LD50 11900 mg/kg (rat (Ratte))

### Primary irritant effect:

**On the skin:** No irritant effect

**On the eye:** No irritating effect

**Sensitization:** No sensitizing effects known

**Additional toxicological information:** When used and handled according to specifications, the product does not have any harmful effects to our experience and the information provided to us. The substance is not subject to classification according to the latest version of the EU lists.

## 12. ECOLOGICAL INFORMATION

**General Notes:** Water hazard class 1 (German Regulation) (Assessment by list): slightly hazardous for water.  
Do not allow undiluted product or large quantities of it to reach ground water, water courses or sewage system.

[cont...]

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### 13. DISPOSAL CONSIDERATIONS

**Product recommendation:** Smaller quantities can be disposed of with household waste.

**Uncleaned packaging recommendation:** Disposal must be made according to official regulations.

### 14. TRANSPORT INFORMATION

**UN 'Model Regulation':**

**Transport /Additional:**

**Information:** Not dangerous according to the above specification.

### 15. REGULATORY INFORMATION

**Labelling according to EU Guidelines:** The substance is not subject to classification according to EU lists and other sources of literature known to our supplier.

Observe the general safety regulations when handling chemicals.

**Note:** The regulatory information given above only indicates the principal regulations specifically applicable to the product described in the safety data sheet. The user's attention is drawn to the possible existence of additional provisions which complete these regulations. Refer to all applicable national, international and local regulations or provisions.

### 16. OTHER INFORMATION

**Legal disclaimer:** The information contained in this SDS does not constitute a risk assessment, and should not replace the user's own assessment of risks as required by other health and safety legislation. This advice is given by Nexchem Ltd who accept no legal liability for it except otherwise provided by law. The information contained herein is based on the present state of our knowledge and is intended to describe our products from the point of view of safety requirements. It should not therefore be construed as guaranteeing specific properties.