



## **MATERIAL SAFETY DATA SHEET OF SODIUM ASCORBATE**

### **SECTION 1: IDENTIFICATION OF SUBSTANCE**

Production details: SODIUM ASCORBATE

Trade Name: SODIUM ASCORBATE

Company Identification: Shandong Luwei Pharmaceutical Co., Ltd.

Umlaufen: DaeMyung chemical

187, Cheongwonsandan 3-gil, Mado-myeon, Hwaseong-si, Gyeonggi-do, Korea

T. +82-2-462-3857

### **SECTION 2: COMPOSITION DATA ON COMPONENTS**

NAME	PERCENT
------	---------

---

SODIUM ASCORBATE	pure material
------------------	---------------

Physical / chemical characteristics:

Boiling point	n/a
---------------	-----

Specific gravity(H <sub>2</sub> O=1)	n/a
--------------------------------------	-----

Vapor pressure (mm Hg)	n/a
------------------------	-----

Vapor density (AIR=1)	n/a
-----------------------	-----

Evaporation rate (Butyl acetate=1)	n/a
------------------------------------	-----

Solubility in water	about 62g soluble in 100ml water
---------------------	----------------------------------

Appearance	white to very faintly yellow crystals or crystalline powder
------------	---

### **SECTION 3: HAZARDS IDENTIFICATION**

NAME	PERCENT	THRESHOLD LIMIT VALUE(UNITS)
------	---------	------------------------------

---

PRINCIPAL HAZARDOUS

COMPONENT(S)	Sodium Ascorbate	Pure material	Not established
--------------	------------------	---------------	-----------------

## SECTION 4: FIRST AID MEASURES

General information: Remove from exposure, remove contaminated clothing, Person developing serious hypersensitivity reactions must receive immediate medical attention. If not breathing, give artificial respiration. If breathing is difficult give oxygen. Obtain medical attention.

1. Inhalation                      May cause irritation of respiratory tract. Remove to fresh air.
2. Eyes                              May cause irritation. Flush with copious quantities of water.
3. Skin                                May cause irritation. Flush with copious quantities of water.
4. Ingestion                        May cause irritation. Flush out mouth with water.

## SECTION 5: FIRE-FIGHTING MEASURES

As with all fires, evacuate personnel to safe area. Firefighters should use self-contained breathing equipment and protective clothing.

Suitable extinguishing agents: water spray, dry chemical, and carbon dioxide or foam as appropriate for surrounding fire and materials.

## SECTION 6: ACCIDENTAL RELEASE MEASURES.

Person-related safety precautions

---

Respiratory protection	NIOSH approved respirator
Ventilation	Adequate
Local exhaust	Recommended
Mechanical (general)	Recommended
Other	n/a
Protective gloves	Rubber
Eye protection	Safety goggles

Other protective clothing or equipment

Appropriated laboratory apparel protection exposed skin

Measures for environmental protection

---

Dispose of waste in accordance with all applicable laws

Measures for cleaning /collecting

---

Wear approved respirator and chemical compatible gloves, vacuum or sweep up spillage Avoid dust, place spillage in appropriate container for waste disposal. Wash contaminated clothing before reuse.

## SECTION 7: HANDLING AND STORAGE

Handling and storage

---

Store in tight, light-resistant container as defined in USP/BP/EP/DAB /EUR. This material should be handle and stored per label with other instructions to ensure product integrity.

Information for safe handling

---

Avoid contact with eyes, skin or clothing. Avoid breathing dust or mist. Use with adequate control. Wash thoroughly after handling. Wear fresh clothing daily. Wash contaminated clothing before reuse. Do not permit eating, drinking or smoking near material.

## SECTION 8: EXPOSURE CONTROL AND PERSONAL PROTECTION

Components with critical values that require monitoring at the workplace

CAS NO.	Designation of materials	%	Type	Value unit
134-03-2	SODIUM ASCORBATE	Pure material	Vc-Na	

---

Personal protective equipment

---

Respiratory protection NIOSH approved respiratory

Protective gloves Rubber

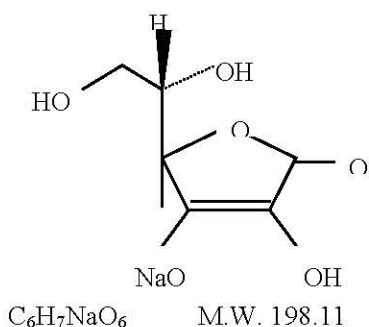
Eye protection Safety goggles

Other protective clothing or equipment

Appropriate laboratory apparel protect exposed skin

## SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES

FORM: SODIUM ASCORBATE



Appearance	:	White to very faintly yellow crystals or crystalline powder
Identification	:	Positive
Specific optical rotation [ $\alpha$ ] <sup>25</sup> <sub>D</sub>	:	Between +103° and +108° calculated on the dried basis
Loss on drying	:	Not more than 0.25%
Heavy metals	:	Not more than 0.001%
Lead	:	Not more than 0.0005%
Arsenic	:	Not more than 0.0003%
Mercury	:	Not more than 0.0001%
Zinc	:	Not more than 0.0025%
Copper	:	Not more than 0.0005%
pH	:	Between 7.0 and 8.0
Assay	:	Not less than 99.0% and not more than 101.0% of C <sub>6</sub> H <sub>7</sub> NaO <sub>6</sub> calculated on as is basis
Organic volatile impurities	:	Meets the requirements

## SECTION 10: STABILITY AND REACTIVITY

Stability                     Unstable                     Stable

Conditions to avoid      Material is stable from a safe point of view.

Avoid exposure to light. Free from contact with metal.

Aqueous solutions are unstable and subject to quicker oxidation by air at pH higher than 6.0

Incompatibility

(Materials to avoid)      Iron, copper, or nickel salts

Hazardous polymerization       May occur                     Will not occur

Dangerous products of composition                    Not established

## SECTION 11: TOXICOLOGICAL INFORMATION

Acute toxicity                    None established

Primary irritant effect                    None established

## SECTION 12: ECOLOGICAL INFORMATION

According to all applicable laws.

## SECTION 13: DISPOSAL CONSIDERATIONS

Waste from residues                    Incinerate in qualified installation with flue gas scrubbing  
Observe local/national regulations regarding waste disposal

## SECTION 14: TRANSPORT INFORMATION

Keep container tightly, closed and use with adequate ventilation; wash thoroughly after handling.

## **SECTION 15: REGULATORY INFORMATION**

Individuals working with chemicals should consider all chemicals to be potentially hazardous even if their individual hazards may be uncharacterized or unknown.

## **SECTION 16: ADDITIONAL INFORMATION**

No additional information is necessary.

n/a = not applicable