

MATERIAL SAFETY DATA SHEET

Section 1-Chemical Product and Company Identification

MSDS name: L-(+)- the Ascorbic acid

Synonyms vitamin C

Company Identification: Luwei Pharmaceutical Group Co.,Ltd.

Shuangfeng Industrial Park,Zichuan District,Zibo City,
Shandong,China

Section 2- Composition, Information on Ingredients

CAS#	Chemical Name	%
50-81-7	L-(+)-Ascorbic Acid	100%

Section 3 – Hazards Identification

EMERGENCY OVERVIEW

Light sensitive Air sensitive .

POTENTIAL HEALTH EFFECTS

Eye	Contact cause transient eye irritation.
Skin	Low hazard for usual industrial handling.
Ingestion	Low hazard for usual industrial handling. May cause mild digestive tract irritation.
Inhalation	May cause respiratory tract irritation.
Chronic	Not available

Section 4 First Aid Measures

Eyes	Flush eyes with plenty of water for at least 15 minutes, occasionally lifting the upper and lower lids. Get medical aid.
Skin	Flush skin with plenty of soap and water for at least 15 minutes while removing contaminated clothing and shoes. Get medical aid if irritation develops or persists.
Ingestion	Get medical aid. Wash mouth out with water.
Inhalation	Remove from exposure to fresh air immediately, if not breathing give artificial respiration . If breathing is difficult, give oxygen.
Notes to Physician	Get medical aid if cough or other symptoms appear. Treat symptomatically and

Section 5 – Fire Fighting Measures

General Information	As in any fire , wear a self-contained breathing apparatus in pressure-demand, MSHA/NIOSH(approved or equivalent),and full protective gear.
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Extinguishing Media	In case of fire use water spray, dry chemical, carbon dioxide, or chemical foam.
Autoignition Temperature	Not available.
Flash Point	Not available.
NFPH Rating	Not published.
Explosion Limits	Lower Not available. Upper Not available.

Section 6- Accidental Release Measures

General Information	Use proper personal protective equipment as indicated in section
Spills/Leaks	Vacuum or sweep up material and place into a suitable disposal container.

Section 7 - Handling and Storage

Handling	Avoid breathing dust , vapor , mist ,or gas ,Avoid contact with skin and eyes.
Storage	Stored in a cool dry place ,stored in a tightly closed container.

Section 8-Exposure Controls, Personal Protection

Engineering Controls	Use adequate ventilation to keep airborne concentrations low.
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PERSONAL PROTECTIVE EQUIPMENT

Eyes	Wear appropriate protective eyeglasses or chemical safety goggles as described by OSHA ' s eye and face protection regulations in 29 OPR 1910.133 or European Standard EN166.
Skin	Wear appropriate protective gloves to prevent skin exposure.
Clothing	Wear appropriate protective clothing to prevent skin exposure.
Respirators	Follow the OSHA respirator regulations found in 29 CFR 1910.134 Or European Standard EN149. Always use a NIOSH or European standard EN145 spproved respirator when necessary.

Section 9 – Physical and Chemical Properties

Physical State	Powder
Appearance	White
Odor	Not available
PH	Not available
Vapor Pressure	Negligible
Viscosity	Not available
Boiling Point	Not available
Freezing/Melting Point	190 °C
Decomposition Temperature	Not available
Solubility	333 Gs/ L water at 20 °C
Specific Gravity /Density	1.7000g/cm ³
Molecular Formula	C ₆ H ₈ O ₆
Molecular Weight	176.13

Section 10 — Stability and Reactivity

Chemical stability	Stable under normal temperatures and pressures
Conditions to Avoid	Incompatible materials light exposure to air
Incompatibilities with Other Materials	Strong oxidizing agents
Hazardous Decomposition Products	Carbon monoxide carbon dioxide
Hazardous Polymerization	Will not occur

Section 11 – Toxicological Information

RTECS #	CAS # 50-81-7: C 17650000
LD50/LC50	CAS # 50-81-7: Oral mouse; LD50 =3367mg/kg Oral rat: LD50=11900mg/kg
Carcinogenicity	L-(+)-Ascorbic acid Not listed by ACGLIL IARC NIOSH NTP, or OSHA
Other	see actual entry in RTECS for complete information

Section 12-Ecological Information

For further information contact Luwei Pharmaceutical Group Co.,Ltd.

Section 13-Disposasl Considerations

Dispose of in a manner consistent with local regulations.

Section 14 -Transport Information

US DOT	IMO	IATA	RID/ADR	Canadian TDG
N/A				N/A

Shipping Name

Hazard Class Does Not Correspond To The Classification Standard Of The United Nations

UN Number: Not Listed

IMO: Not Regulated by IMO/IMDG

Packing Group: .

Section 15-Regulatory Information

European/International Regulations

European Labeling in Accordance with EC Directives

Hazard Symbols: Not available.

Disk Phrases;

Safety Phrases;

S 24/25 Avoid contact with skin and eyes.

WGK (Water Danger/Protection)

CAS # 50-81-7:0

Canada

CAS #50-81-7 is listed on Canada 's DSLADSL List.

CAS #50-81-7 is not listed on Canada 's ingredient disclosure list.

Exposure Limits

US FEDERAL

TSCA

CAS # 50-81-7 is listed on the TSCA inventory.

Section 16-Additional Information

The information above is believed to be accurate and represents the best information currently available to us. However, we make no warranty of merchantability or any other warranty, express or implied, with respect to such information, and we assume no liability resulting from its use. Users should make their own investigations to determine the suitability of the information for their particular purposes. In no way shall the company be liable for any claims, losses, or damages of any third party or for lost profits or any special, indirect, incidental, consequential or exemplary damages, howsoever arising, even if the company has been advised of the possibility of such damages.