

Material Safety Data Sheet

Section 1 - chemical product and company identification

MSDS Name	L- (+)Ascorbic acid
Synonyms	Vitamin C
Company identification	Northeast general pharmaceutical factory No , 37, Zhonggong Bei Street Tiexi District Shenyang liaoning P.R China 110026

Section 2 - Composition ,Information on Ingredients

CAS#	Chemical name	%	EINESC#
50-81-7	L-(+)-Ascorbic	100%	200-066-2

Section 3-Hazards identification

EMERGENCY OVERVIEW
Light sensitive . Air sensitive.

POTENTIAL HEALTH EFFECTS

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

Section 4-First aid Measure

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.
Inhabitant	Remove from exposure to fresh air immediately .if not breathing ,give artificial respiration .if breathing is difficult , give oxygen . Get medical aid if cough or other symptoms appear.
Notes to physician	Treat symptomatically

Section 5- Fire Fighting Measures

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

Section 6- Accidental Release Measures

General information	Use proper personal protective equipment as indicated in section 8.
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 Contract , 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 regulation in 29 CFR 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 regulation found in 29CFR 1910.134OR or European standard EN 149. Always use a NIOSH or European standard EN 149 approved 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	190 C
Decomposition Temperature	Not available
Solubility	333 g/l water at 20 C
Specific Gravity/ Density	1.7000 g/cm ³
Molecular Formula	C ₆ H ₈ O ₆
Molecular Weight	176.13

Section 10- Toxicological Information

Chemical Stability	Stable under normal temperatures and pressures.
Conditions to Avoid	Incompatible materials, lights, 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#5-81-7:C17650000
LD50/LC50	CAS#5-81-7:Oral , mouse:LD50=3367mg/kg; oral,rate LD50=11900mg/kg
Carcinogenicity	L-(+)-Ascorbic acid , Not listed ACGIH, LARC, NIOSH,NTP.,or OSHA.
Other	See actual entry in RTECS for complete information.

Section 12-Ecological information

For further information contact General Pharmaceutical Factory.

Section 13-disposal consideration

Dispose of in a manner consistent with local regulations.

Section 14- Transport information

	US DOT	IMO	JATA	RID/ADR	Canadian TDG
Shipping Name	N/A	-	-	-	N/A
Hazard Class	-	-	-	-	-
UN Number	-	-	-	-	-
Packing Group	-	-	-	-	-

Section 15-Regulatory Information

European /International Regulations

European Labeling in Accordance with EC Directives.

Hazard Symbols :Not available

Risk Phrases:

Safety phrases:

S24/25 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 DSL/NDSL List.

CAS#50-81-7 is 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 represent 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 investigation to determine the suitability of the information for their particular purposes.

In no way shall special, indirect, incidental, consequential or exemplary damages, however arising even if the company has been advised of the possibility of such damages.