



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

Distributed by:
Westco Chemicals, Inc.
12551 Saticoy St. South
North Hollywood, CA 91605
T: 1(818)255-3655 F: 1(818)255-3650

Section 2 – Composition, Information on Ingredients

CAS#	Chemical Name	%	EINECS#
50-81-7	L-(+)-Ascorbic acid	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.
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.
Get medical aid if cough or other symptoms appear.
Notes to Physician 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.
Extinguishing Media In case of fire use water spray, dry chemical, carbon dioxide, or chemical foam.
Autoignition Temperature Not available.
Flash Point Not available.
NFPA 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 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 Controls, Personal Protection

Engineering Controls Use adequate ventilation to keep airborne concentrations low.

PERSONAL PROTECTIVE EQUIPMENT

Eyes Wear appropriate protective eyeglasses or chemical safety goggles as described by OSHA's eye and face protection regulations 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 regulations found in 29CFR 1910.134 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 Point 190 °C
Decomposition Temperature Not available.
Solubility 333 g/L water at 20°C
Specific Gravity/Density 1.7000 g/cm³
Molecular Formula C₆H₈O₆
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: CI7650000
LD₅₀/LC₅₀ CAS# 50-81-7: Oral, mouse: LD₅₀ = 3367 mg/kg; Oral, rat: LD₅₀ = 11900 mg/kg.
Carcinogenicity L-(+)-Ascorbic acid, Not listed by ACGIH, IARC, NIOSH, NTP, or OSHA.
Other See actual entry in RTECS for complete information

Section 12 - Ecological Information

For further information, contact Northeast General Pharmaceutical Factory.

Section 13 - Disposal Considerations

Dispose of in a manner consistent with local regulations.

Section 14 - Transport Information

	US DOT	IMO	IATA	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:

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 DSL/NDSL 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.

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Section 16 - Additional Information

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