

MATERIAL SAFETY DATA SHEET

Chemical Product

Product Name: L-ASCORBIC ACID 99% Extra Pure
 CAS#: 50-81-7
 Chemical Name: L-ASCORBIC ACID 99% Extra Pure
 Chemical Formula: 50-81-7

Composition and Information on Ingredients

Name	S.K.U	% by Weight
L-ASCORBIC ACID 99% Extra Pure	GCS-4521	100

Substance / Preparation : L-ASCORBIC ACID
 CAS No : 50-81-7
 Substance.

Contains no other components or impurities which will influence the classification of the product.

Hazards Identification

**Classification of the
 substance or mixture
 Classification EC 67/548
 or EC 1999/45
 Classification :
 Not classified.**

Hazard Class and Category Code(s), Regulation (EC) No 1272/2008 (CLP)
 Not classified.

Other hazards : The substance does not fulfil the criteria to be identified as PBT substance or vPvB substance according to Annex XIII of Regulation REACH.

First Aid Measures

Description of first aid measures

Inhalation

Assure fresh air breathing. Allow the victim to rest.

Skin contact

Remove affected clothing and wash all exposed skin area with mild soap and water, followed by warm water rinse.

Eye contact

Rinse immediately with plenty of water. Obtain medical attention if pain, blinking or redness persist. Immediately call a POISON CENTER or doctor. Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.

Ingestion : Obtain emergency medical attention. Do NOT induce vomiting. Rinse mouth.

Most important symptoms and effects, both acute and delayed Symptoms relating to use : Causes serious eye damage.

Indication of any immediate medical attention and special treatment needed

General information : Never give anything by mouth to an unconscious person. If you feel unwell, seek medical advice (show the label where possible).

Fire and Explosion Data

Extinguishing media

Extinguishing media

Suitable extinguishing media : Foam, Dry powder, Carbon dioxide, Water spray, Sand.

Unsuitable extinguishing media : Do not use a heavy water stream.
 Surrounding fires : Use water spray or fog for cooling exposed containers.

Special hazards arising from the substance or mixture

Hazardous combustion products : Under fire conditions, hazardous fumes will be present.

Advice for fire-fighters

Protection against fire : Do not enter fire area without proper protective equipment, including respiratory protection.

Special procedures : Exercise caution when fighting any chemical fire. Avoid (reject) fire-fighting water to enter environment.

Accidental Release Measures

Personal precautions, protective equipment and emergency procedures For emergency responders : Equip cleanup crew with proper protection.

Ventilate area.

For non-emergency personnel : Evacuate unnecessary personnel.

Environmental precautions

Environmental precautions	: Prevent entry to sewers and public waters.
Notify authorities if	product enters sewers or public waters.
Methods and materials for containment and cleaning up	
Clean up methods	: On land, sweep or shovel into suitable containers. Minimize generation of dust. Store away from other materials.

Handling and Storage

Precautions for safe handling

Handling : Wash hands and other exposed areas with mild soap and water before eat, drink or smoke and when leaving work.

Technical protective measures : Provide good ventilation in process area to prevent formation of vapour.

Conditions for safe storage, including any incompatibilities

Storage : Keep only in the original container in a cool, well ventilated place. Keep container tightly closed.

Storage - away from : Strong bases. Strong acids. Sources of ignition. Direct sunlight.

Exposure Controls/Personal Protection

Personal protection	: Avoid all unnecessary exposure.
• <u>Respiratory protection</u>	: <u>Wear approved mask.</u>
• <u>Hand protection</u>	: <u>Wear protective gloves.</u>
• <u>Eye protection</u>	: <u>Chemical goggles or safety glasses.</u>
• <u>Others</u>	: <u>When using, do not eat, drink or smoke.</u>

Control parameters

Occupational Exposure Limits : No data available

Physical and Chemical Properties

Physical state and appearance	: Solid.
Odor	: Odorless.
Taste	: Not available.
Molecular Weight	: Not available.
Color	: White crystalline.
pH (1% soln/water)	: Not available.
Boiling Point	: Not available.

Melting Point	: 190 - 194 °C.
Critical Temperature	: Not available.
Specific Gravity	: Not available.
Vapor Pressure	: Not applicable.
Vapor Density	: Not available.
Volatility	: Not available.
Odor Threshold	: Not available.
Water/Oil Dist. Coeff.	: Not available.
Ionicity (in Water)	: Not available.
Dispersion Properties	: Not available.
Solubility	: 176 g/l at 20 °C – c

Stability and Reactivity Data

Reactivity

Reactivity : Not established.

Chemical stability

Chemical stability : Stable under recommended storage conditions.

Possibility of hazardous reactions

Hazardous reactions : Not established.

Conditions to avoid

Conditions to avoid : Direct sunlight. Extremely high or low temperatures.

Incompatible materials

Materials to avoid : Strong acids. Strong bases.

Hazardous decomposition products

Hazardous decomposition products : Fumes. Carbon monoxide. Carbon dioxide.

Toxicological Information

Information on toxicological effects:

Toxicity information: The product has been not fully tested. The calculated risk has been done under the requirements of the EU regulations.

Acute toxicity:

- Inhalation: Based on available data, the classification criteria are not met.
- Dermal: Based on available data, the classification criteria are not met.

• Ingestion: Based on available data, the classification criteria are not met. Corrosion: Based on available data, the classification criteria are not met. Sensitization: Based on available data, the classification criteria are not met. Mutagenicity: Based on available data, the classification criteria are not met. Carcinogenicity: Based on available data, the classification criteria are not met. Toxic for reproduction: Based on available data, the classification criteria are not met.

STOT-single exposure: Based on available data, the classification criteria are not met. STOT-repeated exposure: Based on available data, the classification criteria are not met. Aspiration hazard: Based on available data, the classification criteria are not met.

Ecological Information

Toxicity

Toxicity information : Not established.

Persistence – degradability

Persistence -

degradability :

Biodegradable.

Bioaccumulative potential

Bioaccumulative potential

: Not established.

Mobility in soil

Mobility in soil : Not established.

Results of PBT and vPvB assessment

Results of PBT and vPvB assessment : The substance does not fulfil the criteria to be identified as PBT substance or vPvB substance according to Annex XIII of Regulation REACH.

Other adverse effects

Environmental precautions : Avoid release to the environment.

Disposal Considerations

Waste Disposal: Avoid release to the environment. Dispose in a safe manner in accordance with local/national regulations.

Transformation Information

Land transport (ADR-RID)
General information: Not regulated.

Sea transport (IMDG) [English only]
General information: Not regulated.

Air transport (ICAO-IATA) [English only]
General information: Not regulated.

Other Regulatory Information

Safety, health and environmental regulations/legislation specific for the substance or mixture

Safety, health and environmental : Ensure all national/local regulations are observed.
regulations/legislation specific
for the
substance or
mixture

REACH Restrictions - Annex XVII : The components of this product are not subject to restrictions. REACH Authorisation - Annex XIV : The components of this product are not subject to authorization. Chemical Safety Assessment

Chemical Safety Assessment : It has not been carried out.



Additional Information

References: Not available.

Other Special Considerations: Not available.

Disclaimer:

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