



Material Safety Data Sheet

Sila-plex[®] α-Lipoic acid 5 %

1 Product identification

<u>Product name</u>	Sila-plex [®] α-Lipoic acid 5 %
<u>Manufacture</u>	Room 1138, 2th Building , LvdiHuichuang international square, NO.6, Kexing Road, Baiyun District, Guangzhou, Guangdong, China. Tel: 020-36261692 36261697 Fax: 020-36261697 Website: www.silat-group.com

2 Composition and ingredient information

<u>Chemical name</u>	β- cyclodextrin and α-Lipoic acid 5% complex
<u>INCI name</u>	Cyclodextrin (7585-39-9), α-Lipoic acid(1077-28-7)

3 Possible hazard

<u>Symptoms of acute over-exposure</u>	None.
<u>Hazards for the environment</u>	None
<u>Burning and explosion hazards</u>	None

4 First aid measures

<u>Skin contact</u>	Immediately wash with plenty of water
<u>Eye contact</u>	Flush with plenty of water for at least 15 minutes and seek medical advice if necessary
<u>Inhalation</u>	Fresh air. In case of persistent cough or other respiratory symptoms seek medical advice
<u>Ingestion</u>	Not much harm to body and see medical advice but if necessary.
<u>Other first aid information</u>	Not Known

5 Fire fighting measures

<u>Extinguishing media</u>	Water, carbon dioxide, foam, dry powder.
<u>Unusual fire fighting hazards</u>	Not known
<u>Special fire fighting procedure</u>	Not known
<u>Other recommendations</u>	No special precautions or measures necessary

6 Accidental release measures

<u>Personal precautions</u>	Avoid eye contact
<u>Environmental precautions</u>	None

<u>Cleanup procedures</u>	Shovel into a covered container and spilled off the residue for sewage treatment
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7 Handling and Storage

<u>Handling precautions</u>	Avoid eye contact
<u>Storage precautions</u>	Avoid light and high temperature
<u>Other information</u>	Keep the product in a clean, cool and dark place.

8. Exposure controls and personal protection

<u>8.1 Exposure controls</u>	See 7.1
<u>8.2 Engineering control measures</u>	No special control measures necessary
<u>8.3 Personal protective equipment</u>	
Respiratory protection	Use appropriate protection, i.e. a cartridge mask
Hand protection	Gloves
Eye protection	Safety glasses
Skin protection	Wear working clothes completely protecting the skin
Other	-

9 Physical and chemical properties

<u>9.1 Appearance</u>	
Physical state	Solution
Color	Light yellow
Odor	Odorless
<u>9.2 Safety related information</u>	
pH Value	4-5
Density	Not determined
Boiling point/boiling rang	Not determined
Flash point	Not determined
Melting point/melting range	Not applicable
Viscosity	Not determined

10 Stability and reactivity

<u>Conditions to avoid</u>	Not Known
<u>Materials to avoid</u>	Avoid contact with strong oxidizing agents
<u>Hazardous decomposition products</u>	Not Known

11 Toxicological information

<u>Primary cutaneous irritation in humans</u>	Not irritant
<u>Cytotoxicity in vitro</u>	Not toxic
<u>α-Lipoic acid (data provided by the supplier)</u>	

LD 50 (oral, rat)	Not determined
Carcinogenicity	Any evidence of such effects
Mutagenicity	Any definition from official institutions
Effects on mutagenicity	Any epidemiological evidence
<u>Cyclodextrin</u>	
LD 50	> 12000 mg/kg (literature datum, provided by the supplier)

12 Environmental information

<u>Mobility</u>	Not determined
<u>Persistence and degradability</u>	Not determined
<u>Bioaccumulative potential</u>	Not determined
<u>Ecological toxicity</u>	Not determined
<u>Other information</u>	Dispose in accordance with proper working practice. Avoid soil, surface water and water-bearing stratum contamination

13 Disposal considerations

<u>Product disposal</u>	Flush with plenty of water into the sewage system
<u>Packaging disposal</u>	Must be dumped or incinerated in accordance with local regulations.

14 Transport information

Not classified as hazardous under transport regulations.

15 Regulatory information

<u>Supply classification and labeling</u>	No special packaging and labeling required
<u>National legislation</u>	For further information we recommend to consider the corresponding appropriate national legislation.

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