



Material Safety Data Sheet

Sila-plex[®] Azelaic acid 13%

1 Product identification

<u>Product name</u>	Sila-plex [®] Azelaic acid 13%
<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 Azelaic acid 13% complex
<u>INCI name</u>	Cyclodextrin (7585-39-90), Azelaic acid (123-99-9)

3 Possible hazard

<u>Hazards for the health</u>	Irritate to eye, skin, and respiratory tract
<u>Hazards for the environment</u>	Harmful to the environment, pollute the water and the atmosphere
<u>Burning hazards</u>	Flammable

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>	Drink enough water and seek medical advice
<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>	Azelaic acid may present a fire and explosion hazard when dispersed as a dust
<u>Special fire fighting procedure</u>	Not known
<u>Other recommendations</u>	-

6 Accidental release measures

<u>Personal precautions</u>	Avoid the contact of eye and skin, inhalation and ingestion.
<u>Environmental precautions</u>	Not know

<u>Cleanup procedures</u>	Suck up by suitable devices; in the presence of water, dirty surfaces may become slippery.
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7 Handling and Storage

<u>Handling precautions</u>	Avoid eye and skin contact, strict compliance with operating procedures
<u>Storage precautions</u>	Store cool and dry in the original container
<u>Other information</u>	Use personal protection measures in handling

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	Additional protective equipment is not normally required
Other	Wear working clothes completely protecting the skin

9 Physical and chemical properties

<u>9.1 Appearance</u>	
Physical state	Powder
Color	White
Odor	Weak characteristic odor
<u>9.2 Safety related information</u>	
pH Value	Not determined
Specific Gravity	Not determined
Boiling point/boiling rang	Not determined
Melting point/melting range	Not determined
Vapor Pressure	Not applicable
Water solubility	Soluble in water

10 Stability and reactivity

<u>Conditions to avoid</u>	Avoid High temperature
<u>Materials to avoid</u>	Avoid contact with strong oxidizing agents and alkaloids
<u>Hazardous decomposition products</u>	May produce flammable gases by contact with dithiocarbamide, inorganic fluorides/sulphides, strong oxidizing agents

11 Toxicological information

<u>Primary cutaneous irritation in humans</u>	Not irritant (Draize Patch Test on 20 subjects)
<u>Cytotoxicity in vitro</u>	Not toxic (Test on human endothelial cells Caco-2)

Azelaic Acid (data provided by the supplier)

LD 50 (oral, rat)	No determined
Carcinogenicity	Any evidence of such effects
Mutagenicity	Any definition from official institutions
Effects on mutagenicity	Any epidemiological evidence

Cyclodextrin

LD 50	> 12000 mg/kg (literature datum, provided by the supplier)
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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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