

< Material Safety Data Sheet >

Product Name : Sericite E-ASC(HD)

1. PRODUCT AND COMPANY IDENTIFICATION

a) Product Name	Sericite E-ASC(HD)
b) Recommended use of the chemical and restrictions on use	Cosmetics material
c) Manufacturer/Supplier/Distributor Information	
Name	EastHill Corporation
Address	Hyundai Coretel 1003, 341, Sanbon-ro, Gunpo-si, Gyeonggi-do 15865, Korea.
Emergency phone number	TEL) 82-31-396-5182 FAX) 82-31-396-5183

2. HAZARDS IDENTIFICATION

a) Hazard Classification	Hazardous to the aquatic environment, chronic toxicity : Category 2
b) Label elements including precautionary statements	
Symbol	



Signal Word	Not applicable
Hazard/Risk Statement	P411 – Store at temperatures not exceeding ... °C/...°F.
Precautionary Statement	
• Precaution	P273 – Avoid release to the environment.
• Response	P391 – Collect spillage.
• Storage	Not applicable
• Disposal	P501 – Dispose of contents/container to ...
c) Other Hazard. Risk which are not included in the classification criteria	
Health	No data
Fire	No data
Reactivity	No data

3. COMPOSITION/INFORMATION ON INGREDIENTS

INCI NAME	CONTENT(%)	CAS.No
Mica		12001-26-2
Triethoxycaprylylsilane	confidential	2943-75-1

4. FIRST AID MEASURES

a) Eye contact	Take medical action immediately. In case of contact with the substance, rinse immediately with running water for at least 20 minutes.
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- | | |
|--|---|
| b) Skin contact | <p>Take medical action immediately.</p> <p>Remove and isolate contaminated clothing and shoes</p> <p>In case of contact with the substance, rinse immediately with running water for at least 20 minutes.</p> |
| c) Inhalation | <p>Move to a place with fresh air.</p> <p>If not breathing, give artificial respiration.</p> <p>If breathing is difficult, give oxygen.</p> |
| d) Ingestion | <p>Take medical action immediately.</p> |
| e) Indication of immediate medical attention and notes for physician | <p>Have medical personnel know about the material and take protective measures</p> |

5. FIRE-FIGHTING MEASURES

- | | |
|---|--|
| a) Suitable (and unsuitable) extinguishing media | <p>Water spray, alcohol-resistant, dry chemical, carbon dioxide.</p> <p>In case of extinguishment by smothering, use dry sand or soil.</p> |
| b) Specific hazards arising from the chemical | <p>Decomposition at high temperature can generate toxic gases.</p> |
| c) Special protective equipment and precautions for fire-fighters | <p>Wear self contained breathing apparatus for firefighting if necessary.</p> |

6. ACCIDENTAL RELEASE MEASURES

- | | |
|--|--|
| a) Personal precautions, protective equipment and emergency procedures | <p>Avoid dust forming.</p> <p>Wear the suitable protective equipment to prevent any contamination of skin, eyes and personal clothing.</p> <p>As you work, position yourself on the windward side.</p> <p>Avoid breathing vapors, mist or gas.</p> <p>Ensure adequate ventilation.</p> |
| b) Environmental precautions and protective procedures | <p>Avoid release to the environment.</p> <p>Prevent spills from entering storm sewers or drains and contact with soil.</p> |
| c) Methods and materials for containment and cleaning up | <p>Avoid raising dust.</p> <p>Pick up and arrange disposal without creating up.</p> <p>Keep in suitable exhaust ventilation at places where dust is formed.</p> |

7. HANDLING AND STORAGE

- | | |
|----------------------------------|--|
| a) Precautions for safe handling | <p>Do not breath dust/fume/gas/mist/vapours/spray.</p> <p>Comply with the health and safety at work laws.</p> <p>Put on appropriate personal protective equipment</p> <p>Note that materials and conditions to avoid</p> |
| b) Conditions for safe storage | <p>Store the container and material in cool, in cool and good ventilation area .</p> <p>Eating and drinking should be prohibited in areas</p> |

8. EXPOSURE CONTROLS & PERSONAL PROTECTION

- | | |
|---------------------------------|-------------------------|
| a) Occupational Exposure Limits | |
| Korea | |
| Mica | TWA 3 mg/m ³ |
| Triethoxycaprylylsilane | No data |
| ACGIH | |
| Mica | TWA 3 mg/m ³ |
| Triethoxycaprylylsilane | Not applicable |
| Biological Exposure Indices | No data |

b) Appropriate engineering controls	To prevent the air-pollution of working space, it is desired to provide a local exhaust apparatus or closed type system, and make total ventilation appropriately.
c) Personal protective equipment	
Respiratory protection	NIOSH approved dust respirators are recommended when handling in areas of pigment dusting.
Eye protection	No data
Skin protection	No data

9. PHYSICAL AND CHEMICAL PROPERTIES

a) Appearance (physical state, color, etc.)	Whitish Powder
b) Odor	Slightly characteristic odor
c) Odor threshold	No data
d) pH	No data
e) Melting point / Freezing point	No data
f) Initial boiling point and boiling range	No data
g) Flash point	No data
h) Evaporation rate	No data
i) Flammability (solid, gas)	No data
j) Explosion limits	No data
k) Vapor pressure	No data
l) Solubility	No data
m) Vapor density	No data
n) Relative density	No data
o) Partition coefficient: n-octanol/water	No data
p) Auto-ignition temperature	No data
q) Decomposition temperature	No data
r) Viscosity	No data

10. STABILITY AND REACTIVITY

a) Chemical stability and possibility of hazardous reactions	Decomposition at high temperature can generate toxic gases. Nonflammability, material don't combust but if apply heat, decomposition can make corrosiveness/toxic fume. It can combust partial but don't ignite easily.
b) Conditions to avoid	Ignition source (Heat, spark, flame)
c) Incompatible materials	Combustible materials
d) Hazardous decomposition products	Corrosive/toxic fume Irritative/corrosive/toxic gas

11. TOXICOLOGICAL INFORMATION

a) Information on the likely routes of exposure	No data
b) Health hazards information	
Acute Toxicity	
Oral	
Mica	No data
Triethoxycaprylsilane	LD50 10.6 mg/kg Rat
Skin	

Mica	No data
Triethoxycaprylylsilane	5.91 ml/kg Rabbit LD50
Inhalation	
Mica	No data
Triethoxycaprylylsilane	No data
Skin corrosion /irritation	
Mica	No data
Triethoxycaprylylsilane	No data
Serious eye damage/irritation	
Mica	No data
Triethoxycaprylylsilane	No data
Respiratory sensitization	
Mica	No data
Triethoxycaprylylsilane	No data
Skin sensitization	
Mica	No data
Triethoxycaprylylsilane	No data
Carcinogenicity	
IARC	
Mica	No data
Triethoxycaprylylsilane	No data
OSHA	
Mica	No data
Triethoxycaprylylsilane	No data
ACGIH	
Mica	No data
Triethoxycaprylylsilane	No data
NTP	
Mica	No data
Triethoxycaprylylsilane	No data
EU CLP	
Mica	No data
Triethoxycaprylylsilane	No data
Germ cell mutagenicity	
Mica	No data
Triethoxycaprylylsilane	No data
Reproductive toxicity	
Mica	No data
Triethoxycaprylylsilane	No data
Specific target organ systemic toxicity (single exposure)	
Mica	No data
Triethoxycaprylylsilane	No data
Specific target organ systemic toxicity (repeated exposure)	
Mica	Repeated high exposure to the dust can irritate the lungs and may cause lung scarring (fibrosis). This causes an abnormal chest x-ray, cough and shortness of breath
Triethoxycaprylylsilane	No data

Aspiration hazard

Mica	No data
Triethoxycaprylylsilane	No data

12. ECOLOGICAL INFORMATION

a) Aquatic and terrestrial ecotoxicity

Fish

Mica	No data
Triethoxycaprylylsilane	LC50 1.607 mg/l 96 hr

Crustacean

Mica	No data
Triethoxycaprylylsilane	LC50 2.010 mg/l 48 hr

Birds

Mica	No data
Triethoxycaprylylsilane	EC50 < 1.000 mg/l 96 hr

b) Persistence and Degradability

Persistence

Mica	No data
Triethoxycaprylylsilane	log Kow 4.24

Degradability

Mica	No data
Triethoxycaprylylsilane	No data

c) Bioaccumulative potential

Bioaccumulativity

Mica	No data
Triethoxycaprylylsilane	BCF 36.67

Biodegradability

Mica	No data
Triethoxycaprylylsilane	No data

d) Mobility in soil

No data

e) Other adverse effects

No data

13. DISPOSAL CONSIDERATIONS

a) Disposal method	Dispose the waste in accordance with all applicable regulations.
b) Disposal precaution	Dispose the waste in accordance with all applicable regulations.

14. TRANSPORT INFORMATION

a) UN number	No data
b) UN proper shipping name	Not applicable
c) Transport hazard class	Not applicable
d) Packing group	Not applicable
e) Marine pollution	Not applicable
f) Special precaution for user	Not applicable
g) IATA	Not applicable

15. REGULATORY INFORMATION

a) Safety, health and environmental regulations

Korean

Mica	Work environment measurement material (measurement cycle: 6 months)
	Exposure standard setting substance
Triethoxycaprylylsilane	No data

U.S. Federal

OSHA	Not regulated
CERCLA	Not regulated
EPCRA 302	Not regulated
EPCRA 304	Not regulated
EPCRA 313	Not regulated
Rotterdam Convention(PIC)	Not regulated
Stockholm Convention(POPs)	Not regulated
Montreal Protocol	Not regulated

EU

Classification	Not regulated
Risk Phrase	Not regulated
Safety phrase	Not regulated

16. OTHER INFORMATION

a) Issuing date	2017.07.17
b) Revision number and date	
Revision number	0
Revision date	-
c) Others :	For more information contact product safety at EastHill Corporation Hyundai Coretel 1003, 341, Sanbon-ro, Gunpo-si, Gyeonggi-do 15865, Republic of Korea. TEL : 82-31-396-5182 FAX : 82-31-396-5183

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