

< Material Safety Data Sheet >

Product Name : Silica A-S(HD)

1. PRODUCT AND COMPANY IDENTIFICATION

a) Product Name	Silica A-S(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	Specific target organ toxicity - repeated exposure : Category 2
b) Label elements including precautionary statements	

Symbol



Signal Word

Warning

Hazard/Risk Statement

H373 – Causes damage to organs through prolonged or repeated exposure exposure cause the hazard>.

Precautionary Statement

- Precaution
- Response
- Storage
- Disposal

P260 – Do not breathe dust/fume/gas/mist/vapours/spray.

P314 – Get medical advice/attention if you feel unwell.

No data

P501 Dispose of contents/container in accordance with regulation to be specified.

c) Other Hazard. Risk (NFPA)

None

Health

1

Fire

1

Reactivity

0

3. COMPOSITION/INFORMATION ON INGREDIENTS

INCI NAME	CONTENT(%)	CAS.No
Silica	confidential	7631-86-9
Hydrogen Dimethicone		68037-59-2

4. FIRST AID MEASURES

a) Eye contact	Get medical attention if irritation occurs. Immediately flush eyes with room temperature water for at least 20 minutes.
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|----------------------|--|
| b) Skin contact | <p>IF ON SKIN (or hair): Remove/Take off immediately all contaminated clothing. Rinse skin</p> <p>Get medical advice/attention if you feel unwell.</p> <p>Remove contaminated clothing and shoes.</p> <p>Please stop the spread pollution on by skin contact region.</p> <p>If burned, immediately cool the affected area immediately with cold water, clothes stuck to the skin. Do not remove</p> <p>Wash skin thoroughly with soap and water or use recognized skin cleanser.</p> |
| c) Inhalation | <p>Remove to fresh air and keep at rest in a position comfortable for breathing.</p> <p>If breathing has stopped, trained personnel should begin rescue breathing.</p> <p>If breathing becomes difficult, provided the oxygen.</p> <p>Keep warm and comfortable</p> <p>Get medical advice/attention if you feel unwell.</p> |
| d) Ingestion | <p>Get medical advice/attention if you feel unwell.</p> |
| e) Note to physician | <p>Medical personnel are aware of the material please to take protective measures.</p> |

5. FIRE-FIGHTING MEASURES

- | | |
|---|---|
| a) Suitable (and unsuitable) extinguishing media | <p>Water spray, alcohol-resistant, dry chemical, carbon dioxide.</p> |
| b) Specific hazards arising from the chemical | <p>In case of extinguishment by smothering, use dry sand or soil.</p> <p>High flammable liquids and spray</p> <p>Decomposition at high temperature can generate toxic gases.</p> <p>It can combust partial but don't ignite easily.</p> <p>Nonflammability, material don't combust but if apply heat, decomposition can make corrosiveness/toxic fume.</p> <p>It can heat a burst of container.</p> |
| c) Special protective equipment and precautions for fire-fighters | <p>Wear self contained breathing apparatus for firefighting if necessary.</p> <p>In case of tank fire, put out a fire in the maximum distance or use unmanned fire extinguisher.</p> <p>In case of tank fire, after extinguishing fire, cool down the container with plenty of water.</p> <p>In case of tank fire, if there is high note in pressure relief device or tank be discolored, immediately draw back.</p> <p>In case of large scale tank fire, use unmanned fire extinguisher. If it is impossible, draw back to burn.</p> |

6. ACCIDENTAL RELEASE MEASURES

- | | |
|--|--|
| a) Personal precautions, protective equipment and emergency procedures | <p>Do not breath dust/fume/gas/mist/vapours/spray.</p> <p>If it is not dangerous, stop the exposure.</p> <p>Wipe immediately spilled materials and obey the precaution of protective equipment part.</p> <p>Cover a plastic sheet and prevent the spread of the contamination.</p> <p>Prevent dust formation.</p> <p>Remove the all ignition source.</p> |
| b) Environmental precautions and protective procedures | <p>Avoid release to the environment.</p> <p>Prevent spills from entering storm sewers or drains</p> |
| c) Methods and materials for containment and cleaning up | <p>Absorb the spilled material by inactivator and put in chemical waste container. Absorb the liquid and wash the polluted area with water and detergent.</p> <p>Cover a plastic sheet and prevent the spread of the contamination.</p> |

Wash pollution area thoroughly with soap

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>Take care to high temperatures</p> <p>Take care to heat</p> <p>Appropriate engineering controls and personal protection</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> |

8. EXPOSURE CONTROLS & PERSONAL PROTECTION

- | | |
|-------------------------------------|--|
| a) Occupational Exposure Limits | |
| Korea | No data |
| ACGIH | No data |
| Biological Exposure Indices | No data |
| b) Appropriate engineering controls | <p>To prevent the air-pollution of working space, it is desired to provide a local exhaustion apparatus or closed type system, and make total ventilation appropriately.</p> |
| c) Personal protective equipment | |
| Respiratory protection | Wear the respiratory protective equipment approved by Korea occuparional safety and health agency. |
| 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, Reducing materials

d) Hazardous decomposition products

Corrosive/toxic fume

11. TOXICOLOGICAL INFORMATION

a) Information on the likely routes of exposure No data

b) Health hazards information

Acute Toxicity

Oral

Silica

LD50 3160 mg/kg Rat

Hydrogen Dimethicone

No data

Skin

Silica

LD50 > 2000 mg/kg Rabbit

Hydrogen Dimethicone

No data

Inhalation

Silica

Dust LC50 > 2.2 mg/l 1hr Rat

Hydrogen Dimethicone

No data

Skin corrosion /irritation

Silica

Slightly irritation, Rabbit

Hydrogen Dimethicone

No data

Serious eye damage/irritation

Silica

No data

Hydrogen Dimethicone

No data

Respiratory sensitization

No data

Skin sensitization

Silica

No skin sensitization

Hydrogen Dimethicone

No data

Carcinogenicity

No data

IARC

3

OSHA

No data

ACGIH

No data

NTP

No data

EU CLP

No data

Germ cell mutagenicity

No data

Reproductive toxicity

No data

Specific target organ systemic toxicity (single exposure)

No data

Specific target organ systemic toxicity (repeated exposure)

RBC and white blood cells, white blood cells can be mild increase in calls. Mediastinal lymph nodes are swollen lungs increases. Weight lungs and lung collagen content increases, etc. Do

Aspiration hazard

No data

12. ECOLOGICAL INFORMATION

a) Aquatic and terrestrial ecotoxicity

Fish

Silica	LC50 5000 mg/l 96hr
Hydrogen Dimethicone	No data

Crustacean

Silica	LC50 7600 mg/l 48hr
Hydrogen Dimethicone	No data

Birds

Silica	EC50 440 mg/l 72hr
Hydrogen Dimethicone	No data

b) Persistence and Degradability

Persistence

Silica	log Kow 0.53
Hydrogen Dimethicone	No data

Degradability

Silica	No data
Hydrogen Dimethicone	No data

c) Bioaccumulative potential

Bioaccumulativity

Silica	BCF 3.162
Hydrogen Dimethicone	No data

Biodegradability

Silica	No data
Hydrogen Dimethicone	No biodegradability

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 | Not applicable |
| 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	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 numbe | |
| 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.
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