


< Material Safety Data Sheet >

Product Name : Silica B(HD)

1. PRODUCT AND COMPANY IDENTIFICATION

a) Product Name	Silica B(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 toxic substances (repeat exposure) : Category 2
b) Label elements including precautionary statements	
Symbol	
Signal Word	Warning
Hazard/Risk Statement	H373 May cause damage to organs through prolonged or repeated exposure
Precautionary Statement	
• Precaution	P260 Do not breath dust/fume/gas/mist/vapours/spray
• Response	P314 Get medical advice/attention if you feel unwell.
• Storage	None
• Disposal	P501 Dispose of contents/container to an approved waste disposal plant.
c) Other Hazard. Risk which are not included in the classification criteria	None

3. COMPOSITION/INFORMATION ON INGREDIENTS

INCI NAME	CONTENT(%)	CAS.No
Silica	confidential	7631-86-9

4. FIRST AID MEASURES

a) Eye contact	Wash the eyes, continue washing for 20 minutes. Seek medical advice if you have bloodshot eyes.
b) Skin contact	Remove the clothing and shoes, isolate the polluted area. Wash the skin and eyes over than 20 minutes. Prevent the spread of the contamination.

- | | |
|--|--|
| c) Inhalation | <p>Seek medical advice if you have unwell.</p> <p>Move to the place that there is the fresh air.</p> <p>If the patient stops breathing, try the artificial breathing.</p> <p>In case of difficulty with breathing, administer oxygen.</p> <p>Warm the air and keep on an even keel.</p> <p>Seek medical advice if you have unwell.</p> |
| d) Ingestion | <p>Seek medical advice if you have unwell.</p> |
| e) Indication of immediate medical attention and notes for physician | <p>None</p> |

5. FIRE-FIGHTING MEASURES

- | | |
|---|--|
| a) Suitable (and unsuitable) extinguishing media | <p>Alcohol-foam, carbon dioxide, water spray.</p> <p>In case of extinguishment by smothering, use dry sand or soil</p> |
| b) Specific hazards arising from the chemical | <p>Pyrolysis product : Crystal form silica</p> <p>Combustility and explosiveness : 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> |
| c) Special protective equipment and precautions for fire-fighters | <p>Maintain the safety distance and put out a fire.</p> <p>It can become a melting and transporting.</p> <p>If it is not dangerous, move the container from fire area.</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>Wipe immediately spilled materials and obey the precaution of protective equipment part.</p> <p>Remove the all ignition source.</p> <p>If it is not dangerous, stop the exposure.</p> <p>If you don't wear suitable protective equipment, do not touch the damaged container or exposure material.</p> <p>Cover a plastic sheet and prevent the spread of the contamination.</p> <p>Be careful of the material and condition to avoid.</p> <p>Avoid breathing vapors, mist or gas</p> |
| b) Environmental precautions and protective procedures | <p>Avoid release to the waterway, sewer, basement, sealed room.</p> |
| c) Methods and materials for containment and cleaning up | <p>Absorb the spilled material by inactivator and put in chemical waste container.</p> <p>Absorb the liquid and wash the polluted area with water and detergent.</p> |

7. HANDLING AND STORAGE

- | | |
|----------------------------------|--|
| a) Precautions for safe handling | <p>Obey MSDS/Label precaution.</p> <p>Be careful of the material and condition to avoid.</p> <p>Refer to the engineering control and personal protection equipment and work.</p> <p>Do not inhale dust, fume, gas, mist, steam, spray.</p> |
|----------------------------------|--|

b) Conditions for safe storage

Store the material in cool, dry and good ventilation area.

Avoid to contact the moisture.

Store and use the material in accordance with law and regulation of government and local government.

8. EXPOSURE CONTROLS & PERSONAL PROTECTION

a) Occupational Exposure Limits

Korea

TWA – 10 mg/m³

ACGIH

No data

Biological Exposure Indices

No data

b) Appropriate engineering controls

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.

c) Personal protective equipment

Respiratory protection

Wear respiratory protective equipment

Eye protection

Protective glasses

Hands protection

Protective gloves

Body protection

Working clothes and safety boots

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

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

-/-

k) Vapor pressure

No data

l) Solubility

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

s) Molecular mass

No data

t) Specific gravity

No data

10. STABILITY AND REACTIVITY

a) Chemical stability and possibility of hazardous reactions

If it decompose on high temperature it can make toxic gas.

It can combust partial but don't ignite easily.

Nonflammability, material don't combust but if apply heat, decomposition can make corrosiveness/toxic fume.

b) Conditions to avoid

Ignition source (heat, spark, flame)

- | | |
|-------------------------------------|--|
| c) Incompatible materials | Combustible materials, reducing agents |
| d) Hazardous decomposition products | Corrosiveness/toxic fume |
| | Irritant, corrosiveness, toxic gas |

11. TOXICOLOGICAL INFORMATION

- | | |
|---|------------------------------|
| a) Information on the likely routes of exposure | No data |
| b) Health hazards information | |
| Acute Toxicity | |
| Oral | LD50 3160 mg/kg Rat |
| Skin | LD50 > 2000 mg/kg Rabbit |
| Inhalation | Dust LC50 > 2.2 mg/l 1hr Rat |
| Skin corrosion /irritation | slight irritation, Rabbit |
| Serious eye damage/irritation | No data |
| Respiratory sensitization | No data |
| Skin sensitization | No irritation |
| Carcinogenicity | |
| IARC | No data |
| 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) | No data |
| Aspiration hazard | No data |

12. ECOLOGICAL INFORMATION

- | | |
|--|---------------------|
| a) Aquatic and terrestrial ecotoxicity | |
| Fish | LC50 5000 mg/l 96hr |
| Crustacean | LC50 7600 mg/l 48hr |
| Birds | EC50 440 mg/l 72hr |
| b) Persistence and Degradability | |
| Persistence | log Kow 0.53 |
| Degradability | No data |
| c) Bioaccumulative potential | |
| Bioaccumulativity | BCF 3.162 |
| Biodegradability | 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	Not classified
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 regulated

15. REGULATORY INFORMATION

a) Safety, health and environmental regulations

Korean	Not regulated
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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