

물질안전보건자료

(Material Safety Data Sheet)

product name	HANSAN Standard Silica Series
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1. Information on chemical products and companies

A. product name	HANSAN Standard Silica Series (Grades covered: HS-3, HS-5, HS-6, HS-6-80, HS-6-250, HS-9, HS-10)
B. Recommended use of the product and restrictions on use	
Recommended use of the product	Cosmetic Ingredient (Texturizing agent, Sebum Control, Matte Finish)
Restrictions on use of the product	
C. Supplier information (in the case of imported products, provide information on domestic suppliers that can be contacted urgently)	
Company Name	HANSAN
address	34-74, Tancheon Industrial Complex-gil, Tancheon-myeon, Gongju-si, Chungnam
Emergency phone number	+82-41-733-3708

2. Hazards and dangers

A. Classification of hazards and risks	
B. Warning label items including precautionary statements	
Pictogram	
Hazard statements	H315 Causes skin irritation H319 Causes serious eye irritation H335 May cause respiratory irritation
Precautionary Statement	
prevention	Do not breathe P260 (dust/fume/gas/mist/vapours/spray).
Response	P314 Get medical advice/attention if you feel unwell.
Storage	Store in a cool, dry place
Disposal	It should comply with local, state, or national environmental regulations when it is disposed of.
C. Other hazards and risks not included in the criteria for classification of hazards and risks (NFPA)	
Health	1
fire	0
Reactive	0

3. Name and content of ingredients

Substance name	HANSAN Standard Silica Series
Synonyms (common name)	SILICA
CAS number	7631-86-9
content(%)	100%

4. First aid measures

A. When it gets into your eyes	Get emergency medical attention In case of contact with material, immediately flush skin and eyes with running water for at least 20 minutes.
B. When it comes into contact with the skin	If you feel unwell, seek medical advice/attention. Remove contaminated clothing and shoes and isolate contaminated area In case of contact with material, immediately flush skin and eyes with running water for at least 20 minutes. Prevent spread of contaminated area in case of minor skin contact
C. When inhaled	If you feel unwell, seek medical advice/attention.

	Move to fresh air
	If not breathing, give artificial respiration.
	If breathing is difficult, give oxygen
	Keep it warm and calm
D. Ingestion	If you feel unwell, seek medical advice/attention.
E. Other doctor's notes	Make sure medical personnel are aware of the substance and take protective measures.

5. How to deal with explosions and fires

A. Suitable (inappropriate) extinguishing agent	Use alcohol foam, carbon dioxide or water spray for extinguishing involving this material. Use dry sand or soil for smothering
B. Specific hazards arising from chemicals	Can be decomposed at high temperatures to produce toxic gases Container may explode when heated Some can burn but do not ignite easily Non-flammable, the material itself does not burn, but it may decompose when heated to generate corrosive/toxic fumes.
C. Protective equipment and precautions to be worn when fighting fire	Extinguish the area and keep it at a safe distance. Please note that it may melt and be transported. Dig a ditch for the disposal of fire extinguishing water and keep it from scattering the material. Move containers from fire area if it is not dangerous In case of tank fire, extinguish from maximum distance or use unmanned fire extinguishing equipment. In case of a tank fire, cool containers with plenty of water even after extinguishing has extinguished. In case of a tank fire, if there is a sound from the pressure relief device or the tank discolors, withdraw immediately. In the event of a tank fire, get out of the tank in flames. In case of a tank fire, in case of a large fire, use unmanned fire extinguishing equipment and, if not possible, leave to burn.

6. How to deal with a leakage accident

A. Measures and protective equipment necessary to protect the human body	Do not breathe (dust/fume/gas/mist/vapours/spray). Wipe up spills immediately and follow precautions in the protective equipment section. Eliminate all sources of ignition Stop leak if it is not dangerous Do not touch damaged containers or spills without wearing appropriate protective clothing. Cover with plastic sheet to prevent spread Be aware of substances and conditions to avoid
B. Measures necessary to protect the environment	Prevent entry into waterways, sewers, basements and confined spaces
C. How to cleanse or remove	Absorb the spill with an inert material (eg dry sand or dirt) and place in a chemical waste container. Absorb liquid and flush contaminated area with detergent and water.

7. Handling and storage

A. Safe handling tips	Do not breathe (dust/fume/gas/mist/vapours/spray). Follow all MSDS/label precautions as product debris may remain after the container is emptied. Be aware of substances and conditions to avoid Work with reference to engineering controls and personal protective equipment
B. Safe storage method	Empty drums should be completely drained and properly closed and immediately returned to drum regulator or placed properly. Store in original sealed packaging in a

8. Exposure prevention and personal protective equipment

A. Exposure standards for chemical substances, biological exposure standards, etc.	
Domestic regulations	TWA–10mg/m3 amorphous silicon dioxide (synthetic spherical silica)
ACGIH regulations	no data
Biological exposure limits	no data
Other exposure standards	no data
B. Appropriate engineering controls	Use process isolation, local exhaust, or other engineering controls that control air levels below exposure limits.

B. Health Hazard Information		
Acute toxicity		
oral–		LD50 5000 mg/kg Rat
Transdermal		LD50> 2000 mg/kg Rabbit
inhale		Dust LC50> 5.2 mg/ℓ 4 hr Rat
Skin corrosion or irritation		eye irritation
Severe eye damage or irritation		no data
Respiratory sensitization		–
Skin sensitization		No skin sensitization
Carcinogenicity		
Industrial Safety and Health Act		no data
Ministry of Employment and Labor Notification		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 toxicity (single exposure)		no data
Specific target organ toxicity (repeated exposure)		Increased number of red and white blood cells, neutrophils. Swelling of the lungs and enlarged mediastinal lymph nodes. Increased lung weight and collagen content in the lungs, etc.
Aspiration hazard		no data
Other adverse effects		no data

12. Environmental impact

A. Ecotoxicity		
Fish		LC50 5000 mg/ℓ 96 hr
shellfish		LC50 7600 mg/ℓ 48 hr
Algae		EC50 440 mg/ℓ 72 hr
B. Persistence and degradability		
Persistence		log Kow 0.53
Degradability		no data
C. Bioaccumulative		
Bioaccumulation		BCF 3.162
Biodegradable		no data
D. Soil mobility		
		no data
E. Other adverse effects		
		no data

13. Precautions for disposal

A. Disposal method	If specified in the Waste Management Act, dispose of contents and containers according to regulations.
B. Caution for disposal	Dispose of the contents container (according to the contents specified in the relevant laws and regulations).

14. Information required for transport

A. UN No.	There is no information on the classification of dangerous substances for transport
B. Proper shipping name	Not applicable
C. Transport hazard class	Not applicable
D. Container grade	Not applicable
E. Marine pollutant	no data
F. Special safety measures that the user needs or needs to	

Emergency measures in case of fire	Not applicable
Emergency measures in case of spill	Not applicable

15. Status of legal regulations	
Work environment measurement target material (measurement cycle: 6 months)	
A. Regulation by the Industrial Safety and Health Act	
Substances subject to special health examination (diagnosis cycle: 24 months)	
Substances for setting exposure limits	
B. Regulation by the Chemical Substance Control Act	Not applicable
C. Regulation by the Dangerous Goods Safety Management Act	Not applicable
D. Regulation by the Waste Management Act	Designated waste
E. Regulations by other domestic and foreign laws	
Domestic regulation	
Persistent Organic Pollutant Management Act	Not applicable
Overseas regulation	
US Management Information (OSHA Regulation)	Not applicable
US management information (CERCLA regulations)	Not applicable
US Management Information (EPCRA 302 Regulation)	Not applicable
US Management Information (EPCRA 304 Regulation)	Not applicable
U.S. Administrative Information (EPCRA 313 Regulation)	Not applicable
US Management Information (Rotterdam Convention Substances)	Not applicable
US Management Information (Stockholm Convention Substance)	Not applicable
US Management Information (Montreal Protocol Substance)	Not applicable
EU classification information (confirmed classification result)	
Not applicable	
EU classification information (danger phrases)	Not applicable
EU classification information (safety statement)	Not applicable

16. Other notes	
A. Source of data	
TOMES; HAZARDEXT (oral)	
(IUCLID) (dermal)	
(IUCLID) (inhalation)	
(IUCLID) (skin corrosion or irritation)	
(SIDS) (Skin Sensitization)	
IUCLID (specific target organ toxicity (repeated exposure))	
IUCLID (fish)	
IUCLID (crustacean)	
IUCLID (bird)	
B. Initial writing date	
C. Number of revisions and date of last revision	
Number of revisions	6times
Last revision date	2026-07-21
D. Other	
Microbiological specification applies to the product at the time of shipment in its original sealed packaging. Refer to Section 7 for storage recommendations to help maintain product quality after opening.	