

SAFETY DATA SHEET

1. Identification of the substance or mixture and of the supplier

- A. GHS product identifier Natural Mica Powder N-1000D
- B. Recommended use of the chemical and restrictions on use
Recommended use Cosmetic
Restrictions on use Not available
- C. Manufacturers
Company name CQV Co., Ltd.
Address 144, Seongjung-Ro, Jincheon-Eup, Jincheon-Gun, Chungbuk-Do, Korea
Emergency phone number 82-43-531-2500
Respondent Byung-Ki Choi
Fax 82-43-536-0314

2. Hazards identification

- A. GHS classification of the substance/mixture
Not classified
- B. GHS label elements, including precautionary statements
Pictogram and symbol : Not applicable
Signal word : Not applicable
Hazard statements : Not applicable
Precautionary statements
Precaution : Not applicable
Treatment : Not applicable
Storage : Not applicable
Disposal : Not applicable
- C. Other hazard information not included in hazard classification (NFPA)
Health 0
Flammability Not available
Reactivity Not available

3. Composition/information on ingredients

Chemical Name (INCI Name)	CAS number	EC number	Content (%)
Mica (CI 77019)	12001-26-2	310-127-6	100

4. First aid measures

- A. Eye contact
- Call emergency medical service.
- In case of contact with substance, immediately flush skin or eyes with running water for at least 20 minutes.
- B. Skin contact
- Get medical advice/attention if you feel unwell.
- Remove and isolate contaminated clothing and shoes.

- In case of contact with substance, immediately flush skin or eyes with running water for at least 20 minutes.
- For minor skin contact, avoid spreading material on unaffected skin.

C. Inhalation

- Get medical advice/attention if you feel unwell.
- Move victim to fresh air.
- Give artificial respiration if victim is not breathing.
- Administer oxygen if breathing is difficult.
- Keep victim warm and quiet.

D. Ingestion

- Get medical advice/attention if you feel unwell.

E. Indication of immediate medical attention and notes for physician

- Ensure that medical personnel are aware of the material(s) involved and take precautions to protect themselves.

5. Fire fighting measures

A. Suitable (and unsuitable) extinguishing media

- Use alcohol foam, carbon dioxide, or water spray when fighting fires involving this material.
- Use dry sand or earth to smother fire.

B. Specific hazards arising from the chemical

- Non-combustible, substance itself does not burn.

C. Special protective equipment and precautions for fire-fighters

- Evacuate area and fight fire from a safe distance.
- Substance may be transported in a molten form.
- Dike fire-control water for later disposal; do not scatter the material.
- Move containers from fire area if you can do it without risk.
- Fire involving Tanks; Fight fire from maximum distance or use unmanned hose holders or monitor nozzles.
- Fire involving Tanks; Cool containers with flooding quantities of water until well after fire is out.
- Fire involving Tanks; Withdraw immediately in case of rising sound from venting safety devices or discoloration of tank.
- Fire involving Tanks; Always stay away from tanks engulfed in fire.
- Fire involving Tanks; For massive fire, use unmanned hose holders or monitor nozzles; if this is impossible, withdraw from area and let fire burn.

6. Accidental release measures

A. Personal precautions, protective equipment and emergency procedures

- Do not breathe dust/fume/gas/mist/vapours/spray.
- Clean up spills immediately, observing precautions in Protective Equipment section.
- Eliminate all ignition sources.
- Stop leak if you can do it without risk.
- Do not touch damaged containers or spilled material unless wearing appropriate protective clothing.
- Cover with plastic sheet to prevent spreading.
- Please note that there are materials and conditions to avoid.

B. Environmental precautions and protective procedures

- Prevent entry into waterways, sewers, basements or confined areas.

C. The methods of purification and removal

- Absorb spills with inert material (e.g., dry sand or earth), then place in a chemical waste container.
- Absorb the liquid and scrub the area with detergent and water.

7. Handling and storage

A. Precautions for safe handling

- Do not breathe dust/fume/gas/mist/vapours/spray.
- Follow all MSDS/label precautions even after container is emptied because they may retain product residues.
- Please note that there are materials and conditions to avoid.
- Please work with reference to engineering controls and personal protective equipment.

B. Conditions for safe storage

- Empty drums should be completely drained, properly bunged, and promptly returned to a drum reconditioner, or properly disposed of.

8. Exposure controls/personal protection

A. Occupational Exposure limits

Korea regulation

TWA = 3 mg/m³

ACGIH regulation

TWA = 3 mg/m³

Biological exposure index Not available

OSHA regulation

TWA = 20 mg/m³ (mineral dusts)

NIOSH regulation

TWA = 3 mg/m³ (respirable dust)

EU regulation Not available

Other

Belgium: TWA = 3 mg/m³

Bulgaria: TWA = 3 mg/m³

Ireland: TWA = 10 mg/m³ (total inhalable dust), 0.8 mg/m³ (respirable dust)

Italy: TWA = 3 mg/m³ (respirable fraction)

Australia: TWA = 2.5 mg/m³ (inspirable)

Canada: TWA = 3 mg/m³ (respirable)

China: TWA = 2 mg/m³ (total dust), 1.5 mg/m³ (respirable dust), STEL = 4 mg/m³ (total dust), 3 mg/m³ (respirable dust)

Russia: TWA = 4 mg/m³ (containing ≤10% free Silicon dioxide, aerosol), STEL = 6 mg/m³ (containing 10–70% Silicon dioxide dust, total aerosol)

Taiwan: TWA = 3 mg/m³, STEL = 6 mg/m³

B. Appropriate engineering controls

Use process enclosures, local exhaust ventilation, or other engineering controls to control airborne levels below recommended exposure limits.

C. Personal protective equipment

Respiratory protection

- If exposure concentration of the material exceeds the permitted exposure standards, wear adequate respiratory protection equipment with certificate of Korea Occupational Safety & Health Agency, by considering physicochemical properties of exposed particulate material.

- If exposure concentration of the material is lower than VALUE of the permitted exposure standards, wear a respiratory protective device, of over 10 degree of protection, equipped with an adequate filter by considering physicochemical properties of exposed particulate material ; such as facepiece filtering respirator or respirator equipped with filter.
- If exposure concentration of the particle material is lower than VALUE of the permitted exposure standards, wear a respiratory protective device, of over 25 degree of protection, equipped with an adequate filter by considering physicochemical properties of exposed particulate material ; such as powered air-purifying respirator with a loose-fitting hood/helmet or continuous flow respirator.
- If exposure concentration of the particle material is lower than VALUE of the permitted exposure standards, wear a respiratory protective device, of over 50 degree of protection, equipped with an adequate filter by considering physicochemical properties of exposed particulate material ; such as powered air-purifying respirator with half/full facepiece or continuous flow/pressure-demand supplied-air respirator.
- If exposure concentration of the particle material is lower than VALUE of the permitted exposure standards, wear a respiratory protective device, of over 1,000 degree of protection, equipped with an adequate filter by considering physicochemical properties of exposed particulate material ; such as powered air-purifying respirator with full facepiece or supplied-air respirator with type of full facepiece/hood.
- If exposure concentration of the material is lower than VALUE of the permitted exposure standards, wear a respiratory protective device, of over 10,000 degree of protection, equipped with an adequate filter by considering physicochemical properties of exposed particulate material ; such as pressure-demand supplied-air respirator with type of full facepiece/helmet/hood.

Eye protection

- Wear breathable safety goggles to protect from particulate material causing eye irritation or other disorder.
- An eye wash unit and safety shower station should be available nearby work place.

Hand protection

- Wear appropriate protective gloves by considering physical and chemical properties of chemicals.

Body protection

- Wear appropriate protective clothing by considering physical and chemical properties of chemicals.

9. Physical and chemical properties

A. Appearance

Description Powder

Color White

B. Odor No odor

C. Odor threshold Not available

D. pH 5.5 – 7.5

E. Melting point/freezing point Not available

F. Initial boiling point and boiling range Not available

G. Flash point Not available

H. Evaporation rate Not available

I. Flammability (solid, gas) Not available

J. Upper/lower flammability or explosive limits Not available

- K. Vapor pressure Not available
- L. Solubility (ies) Not available
- M. Vapor density Not available
- N. Specific gravity 2.6 – 3.2 g/cm³
- O. Partition coefficient: n-octanol/water Not available
- P. Auto ignition temperature Not available
- Q. Decomposition temperature Not available
- R. Viscosity Not available
- S. Molecular weight Not available

10. Stability and reactivity

- A. Chemical stability and Possibility of hazardous reactions:
 - Non-combustible, substance itself does not burn.
- B. Conditions to avoid:
 - Heat, sparks or flames
- C. Incompatible materials:
 - Combustibles, reducing agents
- D. Hazardous decomposition products:
 - Not available

11. Toxicological information

A. Information of Health Hazardous

Acute toxicity

Oral : Not available

Dermal : Not available

Inhalation : Not available

Skin corrosion/ irritation : Not available

Serious eye damage/ irritation : Not available

Respiratory sensitization : Not available

Skin sensitization : Not available

Carcinogenicity : Not classified

Mutagenicity : Not available

With cell test system, macrophage-like cells (P388 D1), kaolin and mica (r= 0.58) showed significant positive correlation with cytotoxicity for high-rank coal dusts but not for low.

Reproductive toxicity : Not available

Specific target organ toxicity (single exposure) : Not classified

Specific target organ toxicity (repeat exposure) : Not available

Aspiration Hazard : Not available

12. Ecological information

A. Ecological toxicity

– Acute toxicity : Not available

– Chronic toxicity : Not available

Fish : Not available

crustacean : Not available

Algae : Not available

- B. **Persistence and degradability**
 - Persistence : Not available
 - Degradability : Not available
- C. **Bioaccumulative potential**
 - Bioaccumulation : Not available
 - Biodegradation : Not available
- D. **Mobility in soil** : Not available
- E. **Other hazardous effect** : Not available
- F. **HAZARDOUS TO THE OZONE LAYER** : Not applicable

13. Disposal considerations

A. Disposal method

Waste must be disposed of in accordance with federal, state and local environmental control regulations.

B. Disposal precaution

Consider the required attentions in accordance with waste treatment management regulation.

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 pollutant** Not applicable
- F. **IMDG/IATA/ICAO** Not applicable
- G. **Special precautions**
 - in case of fire Not applicable
 - in case of leakage Not applicable

15. Regulatory information

- A. **Occupational Safety and Health Regulation**
 - Mica : Occupational exposure limits listed
 - Mica : Work environment monitoring listed
- B. **Chemical Control Act**
 - Mica : Existing Chemical Substance (KE-25420)
- C. **Dangerous Material Safety Management Regulation** : Not regulated
- D. **Wastes Control Act**
 - Mica : Wastes Control Act Controlled Wastes
- E. **Other regulation (internal and external)**
 - Internal information
 - Persistent Organic Pollutants Acts : Not regulated
- ② **Foreign Regulatory Information**
 - External information
 - EU classification(classification)
 - Mica : Not classified
 - EU classification(risk phrases)

Mica : Not applicable
EU classification(safety phrases)
Mica : Not applicable
EU SVHC list : Not regulated
EU Authorisation List : Not regulated
EU Restriction list : Not regulated
U.S.A management information (OSHA Regulation) : Not regulated
U.S.A management information (CERCLA Regulation) : Not regulated
U.S.A management information (EPCRA 302 Regulation) : Not regulated
U.S.A management information (EPCRA 304 Regulation) : Not regulated
U.S.A management information (EPCRA 313 Regulation) : Not regulated
Substance of Roterdame Protocol : Not regulated
Substance of Stockholme Protocol : Not regulated
Substance of Montreal Protocol : Not regulated

Foreign Inventory Status

Mica

China management information Inventory of Existing Chemical Substances (IECSC): Present
Canada management information Domestic Substances List (DSL): Present
Australia management information Inventory of Chemical Substances (AICS): Present
New Zealand management information Inventory of Chemicals (NZIoC): May be used as a single component chemical under an appropriate group standard.
Philippines management information Inventory of Chemicals and Chemical Substances (PICCS): Present

16. Other information

A. Information source and references

Waste Control Act enforcement regulation attached [1]
U.S. National library of Medicine(NLM) Hazardous Substances Data Bank(HSDB);
<http://toxnet.nlm.nih.gov/cgi-bin/sis/htmlgen?HSDB>
Korea Occupational Health & Safety Agency; <http://www.kosha.net>
NIOSH Pocket Guide; <http://www.cdc.gov/niosh/npg/npgdcas.html>
American Conference of Governmental Industrial Hygienists TLVs and BEIs.
IARC Monographs on the Evaluation of Carcinogenic Risks to Humans;
<http://monographs.iarc.fr>
TOMES-LOLI®; <http://www.rightanswerknowledge.com/loginRA.asp>
National Toxicology Program; <http://ntp.niehs.nih.gov/results/dbsearch/>
EU CLP; <https://echa.europa.eu/information-on-chemicals/cl-inventory-database>
National Chemicals Information System; <http://ncis.nier.go.kr/ncis/>

B. Issuing date 07-10-2013

C. Revision number and date

revision number 6

date of the latest revision 01-04-2024

D. Others

- Since the user's working conditions are not known by us, the information supplied on this safety data sheet is based on our current level of knowledge and on national and community regulations.
- The product must not be used for any purposes other than those specified under heading 1 without first obtaining written handling instructions.

- It is at all times the responsibility of the user to take all necessary measures to comply with legal requirements and local regulations.
- The information given on this safety data sheet must be regarded as a description of the safety requirements relating to our product and not a guarantee of its properties.