

# SAFETY DATA SHEET

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

- A. GHS product identifier Synthetic Mica Powder 1000F
- 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 (%)
Synthetic Fluorphlogopite	12003-38-2	234-426-5	100

## 4. First aid measures

- A. Eye contact  
- In case of contact with substance, immediately flush eyes with running water at least 20 minutes.
- B. Skin contact  
- In case of contact with substance, immediately flush skin with running water at least 20 minutes.  
- Remove and isolate contaminated clothing and shoes.  
- Wash contaminated clothing and shoes before reuse.

- Get immediate medical advice/attention.

#### **C. Inhalation**

- Specific medical treatment is urgent.
- Move victim to fresh air.
- Give artificial respiration if victim is not breathing.
- Administer oxygen if breathing is difficult.

#### **D. Ingestion**

- Do not let him/her eat anything, if unconscious.
- Get immediate medical advice/attention.

#### **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**

- Suitable extinguishing media: Dry sand, dry chemical, alcohol-resistant foam, water spray, regular foam, CO<sub>2</sub>
- Unsuitable extinguishing media: High pressure water streams

#### **B. Specific hazards arising from the chemical**

- If inhaled, may be harmful.

#### **C. Special protective equipment and precautions for fire-fighters**

- 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; 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.

### **6. Accidental release measures**

#### **A. Personal precautions, protective equipment and emergency procedures**

- Eliminate all ignition sources.
- Stop leak if you can do it without risk.
- Please note that materials and conditions to avoid.
- Ventilate the area.
- Do not touch or walk through spilled material.
- Prevent dust cloud.

#### **B. Environmental precautions and protective procedures**

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

#### **C. The methods of purification and removal**

- Small Spill; Flush area with flooding quantities of water. And take up with sand or other non-combustible absorbent material and place into containers for later disposal.
- Large Spill; Dike far ahead of liquid spill for later disposal.
- With clean shovel place material into clean, dry container and cover loosely; move containers from spill area.

### **7. Handling and storage**

#### A. Precautions for safe handling

- Please note that materials and conditions to avoid.
- Wash thoroughly after handling.
- Please work with reference to engineering controls and personal protective equipment.
- Be careful to high temperature.

#### B. Conditions for safe storage

- Store in a closed container.
- Store in cool and dry place.

## 8. Exposure controls/personal protection

#### A. Occupational Exposure limits

Korea regulation Not available

ACGIH regulation Not available

Biological exposure index Not available

OSHA regulation Not available

NIOSH regulation Not available

EU regulation Not available

Other Not available

#### B. Appropriate engineering controls

Provide local exhaust ventilation system or other engineering controls to keep the airborne concentrations of vapors below their respective threshold limit value.

#### C. Personal protective equipment

##### Respiratory protection

- Wear NIOSH or European Standard EN 149 approved full or half face piece (with goggles) respiratory protective equipment when necessary.
- In case exposed to particulate material, the respiratory protective equipments as follow are recommended. ;facepiece filtering respirator or air-purifying respirator, high-efficiency particulate air(HEPA) filter media or respirator equipped with powered fan, filter media of use(dust, mist, fume)
- In lack of oxygen(< 19.5%), wear the supplied-air respirator or self-contained breathing apparatus.oxygen

##### Eye protection

Wear facepiece with goggles to protect.

An eye wash unit and safety shower station should be available nearby work place.

- 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 chemical resistant gloves.

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

##### Body protection

Wear appropriate protective chemical resistant clothing.

- 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 – 2.9 g/cm<sup>3</sup>
  - 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:
  - If inhaled, may be harmful.
- B. Conditions to avoid:
  - Heat, sparks or flames
- C. Incompatible materials:
  - Combustibles
- D. Hazardous decomposition products:
  - Not available

## 11. Toxicological information

- A. Information of Health Hazardous
  - Acute toxicity
    - Oral : Not classified Rat LD<sub>50</sub> > 9000 mg/kg
    - Dermal : Not available
    - Inhalation : Not classified Rat LC<sub>50</sub> > 5 mg/L /4hr (OECD Guideline 403)
  - Skin corrosion/ irritation : Not classified
    - The test substance was not irritating to the rabbit skin. (OECD Guideline 404)
  - Serious eye damage/ irritation : Not classified
    - The test substance was not irritating to the rabbit eyes. (OECD Guideline 405)
  - Respiratory sensitization : Not available
  - Skin sensitization : Not available
  - Carcinogenicity : Not classified
  - Mutagenicity : Not available
  - Reproductive toxicity : Not available
  - Specific target organ toxicity (single exposure) : Not available
  - Specific target organ toxicity (repeat exposure) : Not classified

Fluorophlogopite showed no adverse effects in a 90-day repeat dose toxicity study in rats. Fluorophlogopite is a practically insoluble, inert mineral. Systemic effects after repeated exposure are highly unlikely.

**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

### E. Other hazardous effect

### F. HAZARDOUS TO THE OZONE LAYER

## 13. Disposal considerations

### A. Disposal method

- Incinerate the waste in high temperature

### 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

### ① KOREA Regulatory information

A. **Occupational Safety and Health Regulation** : Not regulated

B. **Chemical Control Act**

**Synthetic Fluorophlogopite** : Existing Chemical Substance KE-17066

- C. Dangerous Material Safety Management Regulation
- D. Wastes Control Act
  - Synthetic Fluorophlogopite : 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) : Not regulated
    - EU classification(risk phrases) : Not regulated
    - EU classification(safety phrases) : Not regulated
    - 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
    - Synthetic Fluorophlogopite
      - Australia management information Inventory of Chemical Substances (AICS): Present
      - Canada Management Informaton Domestic Substances List (DSL): Present
      - China management information Inventory of Existing Chemical Substances (IECSC): Present
      - New Zealand management information Inventory of Chemicals (NZIoC): May be used as a component in a product covered by a group standard but it is not approved for use as a chemical in its own right.
      - Phillippines management information Inventory of Chemicals and Chemical Substances (PICCS): Present
      - U.S.A management information Section 8(b) Inventory (TSCA): Present

## 16. Other information

### A. Information source and references

- Waste Control Act enforcement regulation attached [1]
- U.S. National library of Medicine(NLM) ChemIDplus; <http://toxnet.nlm.nih.gov/cgi-bin/sis/htmlgen?CHEM>
- Korea Occupational Health & Safety Agency; <http://www.kosha.net>
- NIOSH Pocket Guide; <http://www.cdc.gov/niosh/npg/npgdcas.html>
- Ministry of Public Safety and Security–Korea dangerous material inventory management system; <http://hazmat.mpss.kfi.or.kr/index.do>
- 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>
- International Uniform Chemical Information Database(IUCLID)

Korea Maritime Dangerous Goods Inspection Center; <http://www.komdi.or.kr/index.html>  
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** 09-11-2015

**C. Revision number and date**

revision number 4

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.