

MATERIAL SAFETY DATA SHEET

1. Production & Company Identification

Product Description: Micro Sized, Spherical, Polymethylmethacrylate

Trade Name: FEsphere P60, P80, P100, P140, P200

Application: Cosmetics

Manufacturer: FEWM CO., LTD.

Address: RM#408, 6, Heungdeok2-ro, 105beon-gil, Giheung-gu, Yongin-si, Gyeonggi-do, KOREA

Telephone: +82-31-221-6782 Fax: +82-31-221-6783

2. Identification of the Substance

| Ingredient | Substance Name | Molecular Formula | CAS No. | Percent (%) |
|------------------------|----------------|-------------------|-----------|-------------|
| Polymethylmethacrylate | | N/A | 9011-14-7 | 100 |

3. Hazards Identification

A. GHA CLASSIFICATION Not Classification

B. LABELING

No pictogram, No signal word, No Hazard or Precautionary statement

C. HAZARDS NOT INCLUDED IN GHS CLASSIFICATION (NFPA RATING)

Health: 1

Flammability: No date

Instability: 0

4. First Aid Measures

Ingestion: Do not induce vomiting. If victim is conscious, give 1-3 glasses of water to drink. Never give anything by mouth to an unconscious person. Get medical attention if irritation persists.

Skin: Wash off with soap and water. Obtain medical attention if symptoms persist.

Inhalation: If inhaled, remove to fresh air. If not breathing give artificial respiration using a barrier device. If breathing is difficult give oxygen. Get medical attention.

Eyes: In case of contact, immediately flush eyes with plenty of water for at least 15 minutes and get medical attention if irritation persists.

Note to Physician: Treatment is symptomatic and supportive.

5. Fire Fighting Measures

A. SUITABLE EXTINGUISHING MEDIA Foam, powder, Carbon Dioxide, Water spray

B. SPECIFIC HAZARDS ARISING FROM THE CHEMICAL

Thermal Decomposition Carbon compound

Combustibility and Explosiveness No combustion and explosion hazard

C. SPECIAL PROTECTIVE EQUIPMENT AND PRECAUTIONS FOR FIRE FIGHTERS

Move container from fire area if it can be done without risk. Avoid inhalation of material or combustion by-products. Stay upwind and keep out of low areas.

6. Accidental Release Measure

Action to Be Taken If Material Is Released or Spilled

Wipe, scrape or soak up in an inert material and put in a container for disposal. Wear proper protective equipment as specified in the protective equipment section. Increase area ventilation.

7. Handling and Storage

Storage: Keep container closed. Store away from heat, sources of ignition, and incompatibles.

A. PRECAUTIONS FOR SAFE HANDLING Do not breathe gases/dust. Avoid formation of dust.

Use adequate ventilation.

Do not get in eyes, on skin, on clothing.

B. CONDITION FOR SAFE STORAGE Keep in closed container. Store in cool and dry area with suitable ventilation.

8. Exposure Controls and Personal Protection

A. OCCUPATIONAL EXPOSURE LIMITS

Korea No Information found

ACGIH No Information found

B. ENGINEERING MEASURES

Local and/or general ventilation is recommended

C. INDIVIDUAL PROTECTION MEASURES

Respiratory Protection Wear suitable mask.

Eye Protection Wear safety glasses or goggles.

Provide an emergency eye wash fountain and quick drench shower

Hand Protection Wear general gloves.

Skin Protection No special protection required. Wear standard protective clothing

9. Physical and Chemical Properties

| | |
|---|--------------------|
| Boiling Point - C & F: | Not applicable |
| Vapor Pressure (20 C) (MM HG): | Not applicable |
| Melting Point: | >150°C |
| Physical State: | Solid |
| Odor: | Odorless |
| Color: | Slightly Yellow |
| Evaporation Rate (Butyl Acetate=1): | Not applicable |
| Specific Gravity (Water=1): | 0.9 |
| Acid/Alkalinity (MEQ/G): | Not applicable |
| pH: | 6- 8 |
| Solubility in Water (20 C): | Immiscible |
| Solubility in Organic Solvent (STATE Solvent): | Insoluble in water |
| VOC EXCL. H2O & Exempts (G/L): | Not applicable |

10. Stability and Reactivity

| | |
|---|--|
| Stability: | Stable |
| Hazardous Polymerization: | Will not occur |
| Hazardous Thermal Decomposition/Combustion Products: | Carbon monoxide; Carbon dioxide (CO ₂); Contact with irritating or toxic gas |
| Incompatibility: | None known. |
| Conditions to Avoid: | None known. |

11. Toxicological Information

| | |
|---|----------------|
| A. INFORMATION ON THE LIKELY ROUTES OF EXPOSURE | No information |
| B. DELAYED AND IMMEDIATE EFFECTS AND ALSO CHRONIC EFFECTS FROM SHORT AND LONG TERM EXPOSURE | |
| Acute Toxicity | |
| Oral | No Information |
| Skin | No Information |
| Inhalation | No Information |
| Skin Corrosion/Irritation | No Information |
| Serious Eye Damage/Irritation | No Information |
| Respiratory | No Information |
| Skin Sensitization | No Information |
| Carcinogenicity | |
| IARC | No Information |
| NTP | No Information |
| OSHA | No Information |

| | |
|--|----------------|
| WISHA | No Information |
| ACGIH | No Information |
| EU CLP | No Information |
| Germ Cell Mutagenicity | No Information |
| Reproductive Toxicity | No Information |
| Specific Target Organ Toxicity - Single Exposure | No Information |
| Specific Target Organ Toxicity - Repeated Exposure | No Information |
| Aspiration Hazard | No Information |

12. Ecological Information

| | |
|----------------|--|
| Ecotoxicology: | Ecotoxicological data for this product is not available. |
| Chemical Fate: | No data available |
| Distribution: | No data available |

13. Disposal Considerations

Disposal Method: Disposal should be made in accordance with federal, state and local regulations.

14. Transport Information

Further Information: This product is not regarded as dangerous goods according to the national and international regulations on the transport of dangerous goods.

15. Regulatory Information

A. SAFETY, HEALTH AND ENVIRONMENTAL REGULATIONS

| | |
|-----------------------------|---------------|
| Korea | Not regulated |
| US 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

Labeling No labeling needed according to EU-Directive 67/548/EEC and 1999/45/EC.

Hazard Symbols Not applicable

Risk phrase Not applicable

Safety phrase Not applicable

16. Other Information

Caution:

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