Material Data Sheet

Copper Mica

PRODUCT IDENTIFICATION

Synonyms: Copper pearl powder

Uses: Cosmetic colorant

COMPOSITION/INFORMATION ON INGREDIENTS

Ingredient	Chemical Name	%	CAS No	CI No
Mica	Mica	57 - 61	12001-26-2	77019
Fe2O3	Ferric Oxide	39 - 43	1309-37-1	77491

Hazard Symbols: None listed

Risk Phrases: None listed

HAZARD IDENTIFICATION

Emergency Overview: Not available. Not classified as dangerous according to EC Directive.

Toxicity: No toxicity and no simulative effects on skin and mucous membrane.

Heavy metal content: Pb<50ppm, As<5ppm, Hg<5ppm

The most important hazards: Powder Production

Potential Health Effects

Eye: Dust may cause mechanical irritation

Skin: No simulative effects on skin

Ingestion: Dust is irritating to the respiratory tract. May cause pulmonary fibrosis and permanent damage when ingest large long time.

Chronic illness: Chronic inhalation may cause pulmonary fibrosis.

FIRST AID MEASURES

Summary of first aid as follows:

Eyes: Immediately flush eyes with plenty of water for at least 15 minutes. If discomfort persists, get medical aid.

Skin: Directly flush skin with plenty of soap and water.

Ingestion: Do NOT induce vomiting. If victim is conscious and alert, give 2 - 4 cupfuls of milk or water. Get medical aid.

Inhalation: Remove from exposure to fresh air immediately. If not breathing, give artificial respiration. If the breathing is difficult, give oxygen. Do NOT give mouth-to-mouth resuscitation.

FIRE-FIGHTING MEASURE

General Information:

As in any fire, water a self-contained breathing apparatus and full protective gear in pressure-demand.

Substance is non-combustible and it itself does not burn.

Suitable extinguishing media: Water spray, foam, dry powder or carbon dioxide.

ACCIDENTAL RELEASE MEASURES

Personal precautions: Use proper personal protective equipment as indicated in item8.

Spills / Leaks: Vacuum or sweep up material and place it into a suitable disposal container. Clean up spills immediately; observe precautions in the Protective Equipment section. Avoid generating the phenomenon of dust. Provide ventilation.

HANDLING AND STORAGE

Handling: Wash thoroughly after handing. Remove contaminated clothing and wash it before reuse. Provide adequate ventilation. Keep container tightly closed to minimize dust generation . Avoid ingestion, inhalation and contact with eyes and skin.

Storage: The package should be sound and puncture-proof, Press-proof and damp-proof. Store in dry, well-ventilation.

EXPOSURE CONTROLS

Engineering Controls: Facilities storing or utilizing, should be equipped with wash water. Use adequate general or local exhaust ventilation to keep airborne concentration below the permissible exposure limits.

Personal Protective Equipment

Respirator: Dust respirator (when dusts are generated)

Gloves: Rubber or Plastic

Eyes: Wear appropriate protective eyeglasses or chemical safety goggles.

Skin: Wear appropriate gloves to prevent skin exposure.

Other Precautions: Plastic apron, sleeves, boots- if handling large quantities.

PHYSICAL AND CHEMICAL PROPERTIES

Physical State: Solid

Appearance: A reddish brown, free flowing powder with a luster.

Range of particle Size: 10-60 μm, 94% of particle-size concentrated within the standard range.

Odor: Odorless

pH: Approximately 6 to 9 (10%aqueous suspension)

Electric conduction: Non-conduction

Auto-flammability : None reported.

Decomposition Temperature: Not available.

Solubility: Insoluble in water or solvent.

Specific Gravity / Density: 3.0-3.1g / cm3

Bulk density: 18-22g/100ml

Oil absorption: 60-70g/100g

Chemical Stability: Acid and alkali resistance under the normal temperatures.

STABILITY AND REACTIVITY

Stable

No data.

TOXICOLOGICAL INFORMATION

General Information: It is a virulent and has a good chemical stability (like the water/ impregnate acid/alkali etc.). Does not contain any deleterious matters. Even now, you should avoid in breathe to the best of your abilities because it is hard to be absorbed and decomposed by your body.

After inhalation: May be harmful.

After eye contact: May irritate.

After skin contact: No hazard expected after contact with small quantities.

After ingestion: No hazard expected after contact with small quantities.

Further data:

The results of animal experiments using pearl luster pigment of this type indicate no toxicological relevant properties.No evidence of carcinogenic properties. No evidence of mutagenic or teratogenic effects.

ECOLOGICAL INFORMATION

No environmental hazard is anticipated provided that the material is handled and disposed with due care and attention.

DISPOSAL CONSIDEARTIONS

Dispose of in a manner consistent with federal, state and local regulation.

TRANSPORT INFORMATION

According to IMO International Maritime Dangerous Goods Code (2012 Edition), this kind of material is not subject to dangerous goods, belongs to ordinary goods.

According to IATA DGR, this material can be classified as" NOT RESTRICTED, AS PER SPECIAL PROVISION A3",also it doesn't belong to miscellaneous dangerous goods.

It should be suitable for all common ways of transportation such as by Railway, Auto-car, Air and Sea etc.

The packing should be sound and puncture-proof, press-proof and damp-proof during transportation.

OTHER INFORMATION

Indication of danger: No Danger

Risk Phrases (R terms): No

Security terms(R terms): No.

Label requirements

Label Name: PearlPigment

Label color:Red-brown

Label particle size:10-60 μm

Notice to Reader

To the best of our knowledge, the information mentioned above is accurate. However, the final determination of the suitability of any material is the sole responsibility of the user. All materials may present unknown hazards and should be used with caution. Although certain hazards are described herein, we cannot guarantee these are the only hazards existing.

Please ensure that this information is passed to the professionals who are capable of acting on it.