Material Safety Data Sheet

1. Product and Company Identification

Product name: Enamel glaze

Manufacturer: Ephraim Enamel Institute
Address: 2151-5 Kutsukake Bando-shi, Ibaraki
Contact Department: Product Development Department
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2. Composition, Information on Ingredients

Product name: Enamel glaze
Glass materials made by mixing inorganic chemical and melting at high temperature..
Ingredients (% by wt.): Silica (SiO2) 35-45%, Lead (PbO) 25-50% Potassium nitrate/soda and other 17-28%
Classification of Product: Glass powder (50-60 mesh)

3. Hazardous Identification

- Do not eat..
- Wear protective gas mask.
- Ventilate well when firing.
- Do not use for dishware.
- Keep away from children.
- Do not store in damp location.

4. First Aid Measures

Inhalation: Blow nose and gargle. If signs / symptoms occur, remove person to fresh air enviroment. If signs / symptoms continue, call a physician.
Skin Contact: Wash well with soap and water.
Eye Contact: Immediately flush eye(s) with plenty of water until no foreign body is felt. Get immediate medical attention.
Ingestion: Wash your mouth well with water and gargle. Seek medical attention if necessary.

5. Fire-Fighting Measures

Extinguishing media: Water, Dry chemicals, Carbon dioxide etc.
Specified method: In case of a small scale fire, use water, dry chemicals or carbon dioxide. In case of a larger scale fire, wear protective gas mask for organic gas and use water spray method.

6. Accidental Release Measures

Health measures: Put on dust protective goggles, gas mask, and gloves if necessary.
Environmental measures: In case of large release, do not release to a sewer or natural environment.
Removal method: Remove by vacuuming or wipe with a dust/waste cloth, and then wash with water.

7. Handling and Storage

Handling: Wash well with soap and water after skin contact.
Put on dust protective mask, goggles and gloves if necessary.
Storage: Keep in cool and dark place avoiding direct sunlight.
Do not keep in damp place.

8. Measures for Exposure control/ personal protection

Measure to Install: Install ventilation system near the working area if dust occurs.
Protections: Put on protective mask, goggles, and gloves.
Hygienic Practice: Wash off thoroughly with soap and water after handling.

9. Physical / Chemical Characteristics

Physical status
Appearance: Color / Many colors
Odor: Odorless
Particular temperature and temperature range that changes physical status
Thermal Expansion: 110-114(10-7power)
Transition Point: 400°C-420C°C/ 752°F-788°F
Softening Point: 450°C -470°C/ 842°F-878°F
Solubility: Melt by nitric.
Ignition: No ignition / incombustible

Binder / combustible

10. Stability and Reactivity

Stability: Stable in normal condition.
Condition to avoid: High temperature / high humidity / mild acidity

11. Health Hazard

Acute Toxicity: N/A
Local effect: Possible irritation to the skin and mucous membrane.
Possible irritation to eyes and respiratory system during firing.

12. Ecological Information

Mobility: May release in dust form in the air depending on the working environment.

13. Disposal Consideration

Disposal method: Following the handling of general industrial waste according to the instruction of your local authorities. If possible, have a specialized hazardous waste disposal firm etc deal with the remains and packages for recycling.

14. Transportation Information

International Regulation: N/A
Transportation Consideration: Avoid high temperature, high humidity and exposure by breakage.