Jiangxi Province Longhai Chemical Co., Ltd

Material Safety Datasheet

2098 PMMA polymer microsphere
Version：01.12.2024

1. Company name, materials identification and preparation measure

Product information
Product Name： 2098 PMMA polymer microsphere
Application: manufacture of coating surface

Manufacturer/Supplier:
Jiangxi Province Longhai Chemical Co., Ltd
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2. Hazard identification

CLASSIFICATION:

OSHA 29CFR 1910.1200
Combustible dust

REGULATION (EC) No 1272/2008
Not a hazardous substance or mixture

LABEL ELEMENTS:

OSHA 29CFR1910.1200
WARNING – May form combustible dust concentrations in the air

REGULATION (EC) No 1272/2008
Not a hazardous substance or mixture

EMERGENCY OVERVIEW

The products are micronized powders. Static charges on the powders may ignite flammable atmospheres. High levels of product dust in the atmosphere may present a dust explosion hazard.

(See Dust Hazard Reference in Section 16.)

HMIS CODES: H = 1, F = 1, R = 0, P = E

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INHALATION HEALTH RISKS AND SYMPTOMS OF EXPOSURE: Treat powder as a nuisance dust. Keep dust level below 5mg/m3 for respirable fraction and 10mg/m3 for total dust (ACGIH/TWA). OSHA PEL 5mg/m3. Exposure may cause dizziness, headache, respiratory irritation or unconsciousness.

EYE CONTACT HEALTH RISKS AND SYMPTOMS OF EXPOSURE: Particulates may cause mechanical eye irritation. Flush eyes with copious amounts of water for at least 15 minutes.

SKIN CONTACT HEALTH RISKS AND SYMPTOMS OF EXPOSURE: Negligible dermal irritant. Exposure may lead to itching, scaling, drying and irritation of skin.

INGESTION HEALTH RISKS AND SYMPTOMS OF EXPOSURE: Generally non toxic unless large quantities are ingested.

HEALTH HAZARDS (ACUTE & CHRONIC):

ACUTE EFFECTS: High concentrations of polymer fumes may cause eye, nose and respiratory irritation, dizziness or unconsciousness.
CHRONIC EFFECTS: Repeated skin contact can lead to drying, defatting, itching, stinging and irritation.

N.T.P. CARCINOGEN: No I.A.R.C. CARCINOGEN: No OSHA REGULATED: No

MEDICAL CONDITIONS GENERALLY AGGREVATED BY EXPOSURE: May irritate people with skin problems, asthma and lung diseases. Susceptible individuals may have an allergic reaction.

3 Composition information of ingredient

Chemical feature
Description:PMMA polymer microsphere
CAS#: 25035-69-2
No hazardous element and obey the instruction of 2001/58EC

4. Emergent measure

General suggestion: There is no danger to need special emergent measure
Inhalation: if someone inhaled dust and smog during the process of combustion and heating by accident, please replace the person to fresh air. If the symptoms continue, please go to see the doctor immediately.
Skin touch: Please remove the contaminated clothes and shoes immediately, and then wash yourself with soap and plenty of water.
Eye touch: Wash your hands with water first, and then remove the contaminated protective goggles, protect the uninjured eyes, keep the eyes open and rinse the

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eyes with clear water. If the stimulating feeling sustained, please seek for medical treatment in time.
Swallow: Rinse your mouth, no drink milk or alcoholic beverage. Never give anything to the person whom had missed consciousness by mouth touch. If the symptoms continued, please seek for medical treatment immediately.

5. Fire Fighting Measure

Suitable for fire extinguishing media: Use the suitable fire-fighting material depending on the circumstance.
Special protective equipment for the fire extinguishers: Equip the extinguishers with self-contained breathing apparatus.
Fire extinguishing: Take the standard fire extinguishing procedure for chemical fire.

6.The solution to an accident.

Preventive measures for the human: Avoid any forming of dust or inhalation of dust.
Environmental precautions: No special environmental precautions.
Method of removal: Use the method of cleaning or absorption to collect the spillage into a sealed chamber and then destroy them.

7. Transport and storage

Transport
Cautions about safe transport: Do not inhale steam or smog, please refer to part 8 for operator protection.
Preventions for combustion and explosion: Avoid the formation of dust.
Install the vent pipe suitably in the location where the dust is formed easily.
Take precautionary measures against static discharges.
Storage
Storage area and container: The container should be sealed in dry and ventile place.
Storage temperature: <50
More information about storage conditions: keep it away from heat

8.Exposure control and personnel protection

Personnel protection equipment
Respiration protection: Wear a safety helmet while the concentration is higher than 10mg/m3
Hand protection: Wear emulsoid gloves
Eye protection: Use purified water to rinse the eyes, and wear appropriate safety goggles.
Skin and body protection: Wear non-soaked clothes, choose the body-protection equipment suitably according to the risk assessment of the work place.
Hygienic measures: Operate according to the effective industrial hygiene and safety regulations. Wash the hands before and after work.

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9.Physical and chemical feature

Appearance	: White Powder
Odor	: Typical Wax Odor
Odor threshold	: Not Applicable
Melting point	: /
Boiling point	: Not Applicable
Flash point	: Not applicable
Evaporation rate	: Not applicable
Flammability	: Combustible solid
Upper/lower flammability limits	: Not applicable
Vapor pressure	: NIL
Vapor density	: Heavier than air.
Relative density	:1.15-1.2 g/cc
Solubility	: NIL
Partition coefficient	: Unknown
Auto-ignition temperature	: Unknown
Decomposition temperature	: Unknown
Volatiles as percentage	: Zero

10.Stability and reactivity

Conditions to avoid: N/A.

Material that should be avoided to contact with: It might cause to an explosion if mix the dust with the air.

Thermal decomposition: N/A.

11. Toxicological information

Oral acute toxicity：N/A.

Repeated dose toxicity：N/A.

Skin irritation：N/A.

Eye irritation：N/A.

Sensitive: N/A.

Additional caution：N/A.

12. Ecological information

Ecological toxicity：N/A.

Oral acute toxicity(toxicity to fish): N/A.

Toxicity to bacteria: N/A.

Other harmful effects：N/A.

Eliminate information (persistence and degradation):N/A.

Biological agent degradation:N/A.

bioaccumulation :N/A.

Mutability：N/A.

Additional caution：N/A.

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13. Basis for disposal

Products: the salvaged material is prohibited to be drained off into the sewers, chemical products and packaging materials are not allowed to pollute the pond, water or sewer. The disposal of the remaining material and the non-recyclable waste is transferred to the qualified company which can implement the destruction.
Dair package: the abandoned object of the contaminated air container.
Dirty empty container：The polluted empty container should be disposed as salvaged material.

14.transport information

UN Number	: Not classified as hazardous.
UN Proper shipping name	: N/A
Transport hazard class	: Not classified as hazardous.
Packing group	: N/A
Environmental hazards	: Not considered marine pollutant.
Special precautions	: Keep sealed and secure. Do not expose to heat.
DOT Classification	: Non-Hazardous.
INCO Terms	: EXW for Regulatory Purposes and Responsibilities

15.Regulation information

The label is accordant with the European community 1999/45/EC.
S terminology：S22 no inhale dust.
The material is not hazardous according to the instructions of Europe and the law of other territories.
Domestic label
Hazard level is based on VbF (Germany):
96/82/EC: It is not applied to instruction 96/82/EC

16.Other information

Further information:The information is based on our current level of knowledge, it is not a guarantee of the product features.

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