

Safety Data Sheet

Issue Date: Jul.1st, 2020

Validity: 10 Years

Cenosphere

1 Identification of the substance/mixture and of the company/undertaking

-**Trade name:** Cenosphere/Microsphere

-**Application of the material:** Refractories, Fillers in painting, plastics, oil and gas field, rubber, cement etc.

-**Details of the supplier of the Material:**

Luoyang Zhongsen Refractory Co.,Limited

South Dukang Road, Yichuan, Luoyang, Henan Province, China

EMAIL: info@zhongsen-refractory.com

-**Emergency Telephone No.:** 0086-379-69351288

2 Hazards identification

2.1 Classification of the substance or mixture

This material is not classified as dangerous according to the GHS(The Global Humanized System of Classification and Labelling of Chemicals).

2.2 GHS Label elements

Pictogram(s): No pictogram is used.

Signal Word: No signal word is used.

Hazard Statement: No hazard statement.

Precautionary Statement: No precautionary statement.

2.3 Other hazards

No additional information available.

3 Composition/information on ingredients

3.1 Substance

Material Name/Chemical Content	%	CAS No
Aluminum Oxide(Al_2O_3)	28-35	1344-28-1
Silicon Dioxide(SiO_2)	52-61	14808-60-7

4 First aid measures

4.1 Description of first aid measures

Inhalation:

Move the exposed person to fresh air at once. Get medical attention if any discomfort continues.

Ingestion:

Rinse mouth thoroughly. Get medical attention if any discomfort continues.

Skin contact: Wash skin with soap and water. Get medical attention if irritation persists after washing.

Eye contact: Make sure to remove any contact lenses from the eyes before rinsing. Rinse eye with water immediately. Get medical attention if any discomfort continues.

4.2 Most important symptoms and effects, both acute and delayed

Inhalation: No specific symptoms noted.

Ingestion: No specific symptoms noted.

Skin contact: No specific symptoms noted.

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Eye contact: No specific symptoms noted.

4.3 Indication of any immediate medical attention and special treatment needed

Treat symptomatically and supportively.

5 Firefighting measures

5.1 Extinguishing media

This product is not flammable. Use fire extinguishing media appropriate for surrounding materials.

5.2 Special hazards arising from the substance or mixture

Hazardous combustion products: None under normal conditions

5.3 Advice for firefighters Special firefighting procedures:

Use self-contained breathing apparatus(SCBA) and full bunker turnout gear in a sustained fire.

6 Accidental release measures

6.1 Personal precautions, protective equipment and emergency procedures

Evacuate area. Ventilate area. Avoid dust generation. Avoid inhaling dust. Use suitable personal protective equipment.

6.2 Environmental precautions

The product should not be dumped in nature but collected and delivered according to agreement with the local authorities, while it's not harmful to the environment recycling.

6.3 Methods and material for containment and cleaning up

Avoid dust formation. Remove spillage with vacuum cleaner. If not possible, collect spillage with shovel, broom or the like. Transfer to a container for disposal.

7 Handling and storage

7.1 Precautions for safe handling

Avoid handling which leads to dust formation. Avoid inhalation of high concentrations of dust. Observe occupational exposure limits and minimize the risk of inhalation of dust.

7.2 Conditions for safe storage, including any incompatibilities

Store in tightly closed original container or bag in a dry, cool and well-ventilated place. Keep in original closed container.

8 Exposure controls / personal protection

8.1 Exposure Limits

This is not a harmful material, while do not expose to too much amount, especially powders.

8.2 Exposure controls

Engineering measures: Provide adequate ventilation. Observe occupational exposure limits and minimize the risk of inhalation of dust.

Respiratory equipment: No specific recommendation made, but respiratory protection must be used if the general level exceeds the recommended occupational exposure limit. Wear dust masks in dusty areas.

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Hand protection: No specific hand protection noted, but gloves may still be advisable.

Eye protection: Wear dust resistant safety goggles where this is a danger of eye contact.

Other protection: Provide eyewash station.

Hygiene measures: Wash hands at the end of each work shift and before eating, smoking and using the toilet.

9 Physical and chemical properties

9.1 Information on basic and physical and chemical properties Appearance:

Spherical Shape, Powder

Colour: Grey White

Odour: Odourless

Solubility: Insoluble in water

10 Stability and reactivity

10.1 Reactivity No specific reactivity hazards associated with this product.

10.2 Chemical stability Stable under normal temperature conditions.

10.3 Possibility of hazardous reactions Not relevant

10.4 Conditions to avoid No specific conditions are likely to result in a hazardous situation

10.5 Incompatible materials Materials to avoid: No specific, or groups of materials, are likely to react to produce a hazardous situation.

10.6 Hazardous decomposition product: None under normal circumstances

11 Toxicological information

11.1 Information on toxicological effects

Other health effects: This substance has no evidence of carcinogenic properties.

Acute toxicity

Acute toxicity (Oral LD50): Not relevant

Acute toxicity (Dermal LD50): Not relevant

Acute toxicity (Inhalation LC50): Not relevant

Inhalation: Dust in high concentrations may irritate the respiratory system.

Ingestion: May cause discomfort if swallowed.

Skin contact: Powder may irritate skin.

Eye contact: Particles in the eyes may cause irritation and smarting.

12 Ecological information

Ecotoxicity: Not regarded as dangerous for the environment.

12.1 Acute fish toxicity: Not considered toxic to fish.

12.2 Persistence and degradability

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Degradability: The product is not readily biodegradable.

12.3 Bio accumulative potential: The product is not bioaccumulating.

12.4 Mobility in soil: Not relevant, due to the form of the product.

12.5 Results of PBT and vPvB assessment:

This product does not contain any PBT or vPvB substances.

12.6 Other adverse effects: Not known

13 Disposal considerations:

Dispose of waste and residues in accordance with local authority requirements

14 Transport considerations

Road transport notes: Not classified

Rail transport notes: Not classified

Sea transport notes: Not classified

Air transport notes: Not classified

14.1 UN Number: The product is not covered by international regulation on the transport of dangerous goods (IMDG, IATA, ADR/RID).

14.2 UN proper shipping name: Not classified for transportation.

14.3 Transport and hazard class(es): Not classified for transportation.

14.4 Packing group: Not classified for transportation.

14.5 Environmental hazards

Environmentally hazardous substances / marine pollutant: no

14.6 Special precautions for user: Not classified for transportation.

14.7 Transport in bulk according to Annex II of MARPOL73/78 and the IBC Code

Not applicable

15 Regulatory information

15.1 Safety, health and environmental regulations / legislation specific for the substance or mixture

Approved code of practice: Classification and labelling of substances and preparations dangerous for supply. Safety data sheets for substances and preparations.

Guidance notes: Workplace Exposure Limits EH40.

15.2 Chemical Safety Assessment: Not applicable. No chemical safety assessment has been carried out.

16 Other Information

IMDG Transport Information: This material is not dangerous goods according to IMDG

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transportation regulations.

This information is based on our present knowledge. However, this shall not constitute a guarantee for any specific product features and shall not establish a legally valid contractual relationship. Existing laws and regulations have to be observed by the receiver on its own responsibility.
