

Respiratory or skin sensitization	: Not classified.
Germ cell mutagenicity	: Not classified.
Carcinogenicity	: Not classified.
Reproductive toxicity	: Not classified.
Specific target organ systemic toxicity (single exposure)	: Not classified.
Specific target organ systemic toxicity (repeated exposure)	: Not classified.
Aspiration hazard	: Not classified.

ENVIRONMENTAL HAZARDS

Hazardous to the aquatic environment (acute hazard)	: Not classified.
Hazardous to the aquatic environment (chronic hazard)	: Not classified.

GHS LABEL MARK

Pictogram or symbol	: None.
Signal word	: None.

HAZARD INFORMATION : There is a possibility of stimulating the respiratory organ when dust is generated, by dryness.

CAUTIONS

Prevention measure	: Do not eat, drink or smoke when using this product. After handling, the hand is washed well. Wear protection gloves, protection glasses and handle it carefully.
First aid	: If inhalation dust, move the affected person away from the contaminated area and into the fresh air. Consult a doctor if necessary.
Storage	: Keep in the airtight container.
Disposal	: Dispose of contents and containers appropriately in accordance with related regulations.

3. COMPOSITION/INFORMATION ON INGREDIENTS

Mixture

Name	Chemical formula	CAS NO.
Ceria	CeO ₂	1306-38-3
Surfactant	-	-
Water	H ₂ O	7732-18-5

4. FIRST-AID MEASURES

Consult a doctor if necessary.

Inhalation : Move the affected person away from the contaminated area and into the fresh air.

Ingestion : Nothing is given when patient is no consideration.

Gave the water and induce vomiting when patient conscious.

Eyes contact : Rinse with plenty of water immediately more than 15 minutes.

Skin contact : Rinse with plenty of water.

5. FIRE-FIGHTING MEASURES

Extinguishing media : Incombustible.

Prohibited extinguishing media : No data.

Hazardous combustion product : No data.

Particular fire fighting : Move containers from fire area.

If it is not possible to move the container, apply water to cool surrounding areas.

Protection fire fighters : Wear protective equipment to avoid contact with body or inhalation of mist or dust.

Use self-contained breathing apparatus to avoid dust or fumes generated during fire fighting.

6. ACCIDENTAL RELEASE MEASURES

Cautions for persons : In the case of indoor, perform enough ventilation until processing is over.

Declare off-limits other than the person concerned.

Wear appropriate protective equipment at work.

Avoid contact with skin and inhalation of dust.

Work from windward, and let the safe place evacuate in people of the lee.

Cautions for environment : Protect a product from flowing out in rivers, because do not affect the environment.

Removal method : If leak product is minimal quantity, it washes it away with a large quantity of water.
If small amount, let the sand or sawdust absorb it.
In large quantities, obey the instructions of the expert.

7. HANDLING AND STORAGE

Handling : After use, seal up a container.
Wash a face and a hand after the handling well and gargle.
Do not let a container turn over, drop, give a shock and drag.
Use of protective gloves, masks and eyewear is recommended to avoid irritation to the skin and eyes.
Ventilate it appropriately.

Storage : Keep the suspension in its original packing.
In case of settlement, the powder can easily be dispersed by simple agitation.
Keep in the dark and cool place(5~30°C) in its airtight container.

8. EXPOSURE CONTROLS/PERSONAL PROTECTION

Control parameters : No data.

Limit value : No data.

※Ceria powder

ACGIH : 1.0mg/m³

OSHA : 1.0mg/m³

Personal protection equipment

Eyes protection : Safety goggle

Skin protection : Protective cloth and globes

Respiration protection : Dust mask

Hygiene measure : Wash hands after the handling well.

9. PHYSICAL AND CHEMICAL PROPERTIES

Physical state : Liquid

Color : White

pH	: 9~11
Boiling Point	: No data.
Melting point	: 2600°C (Ceria)
Flash point	: Incombustible.
Combustibleness	: Incombustible.
Explosion range	: No data.
Vapor pressure	: No data.
Steam density	: No data.
Specific gravity	: ≒1.09(product)
Solubility	: Insoluble in water(Ceria)
Self-ignite point	: Incombustible
Decomposition temperature	: No data.
Burning quality	: Incombustible.

1 0 . STABILITY AND REACTIVITY

Stability	: Stable under normal condition.
Possibility of hazard and toxicity	: No data.
Incompatible material	: No data.
Degraded product of hazard and toxicity	: No data.

1 1 . TOXICOLOGICAL INFORMATION

Acute toxicity	: LD50 =1000mg/kg (rat)
Skin corrosion/irritation	: No data.
Serious eye damage /eye irritation	: No data.
Respiratory or skin sensitization	: No data.
Germ cell mutagenicity	: No data.
Carcinogenicity	: No data
Reproductive toxicity	: No data.
Specific target organ systemic toxicity (single exposure)	: No data.
Specific target organ systemic toxicity (repeated exposure)	: No data.
Aspiration hazard	: No data.

1 2 . ECOLOGICAL INFORMATION

Hazardous to the aquatic environment (acutus hazard)	: No data.
Hazardous to the aquatic environment (chronic hazard)	: No data.

1 3 . DISPOSAL CONSIDERATIONS

Product : Can be eliminated with regular industrial washes.
Used packing : Empty and possibly wash with water before recycling.
Pay attention to eventual local regulation.

1 4 . TRANSPORT INFORMATION

International /national regulation : Not applicable.

1 5 . REGULATORY INFORMATION

Industrial Safety and Health Act : Not applicable.
Pollutant Release and Transfer Register : Not applicable.

1 6 . OTHER INFORMATION

This sheet is given in addition to the technical data sheets.

The information contained herein is given in good faith, according to our up-to-date knowledge.

The use of this product for unusual application may possibly present a risk.

The user must know and apply the regulation of own activity and is responsible for the good use of this product in respect to the statutory information given in this sheet.

Nevertheless, this sheet is not exhaustive and the user must pay attention to other regulations relative to the storage or using of this product.

Information herein is given in good faith as authoritative and valid; however, no warranty, express or implied, can be made.