

# SAFETY DATA SHEET

Revision Date 01.04.2022

---

## 1. Product name and details of the supplier of the safety datasheet

**Product name** : Cerium(III) acetate hydrate

**Company** : Chikamochi Pure Chemical Co., Ltd.  
1-9-16 Ohyodominami , Kita-ku,  
Osaka, 531-0075  
JAPAN

**Telephone** : +81(0)6 6453-2062

**Fax** : +81(0)6 6453-2063

---

## 2. Classification of the substance or mixture

【Classification according to Regulation (EU) No 1272/2008】

Not a hazardous substance or mixture according to Regulation (EC) No.1272/2008.

【Label elements】

Not a hazardous substance or mixture according to Regulation (EC) No.1272/2008.

【Other hazards】

none

## 3. Composition/information on ingredients

【Substances】

Formula :  $C_6H_9CeO_6 \cdot xH_2O$

Molecular weight : 317.25 g/mol

CAS No. : 206996-60-3

EC-No. : 208-654-0

No components need to be disclosed according to the applicable regulations.

## 4. Description of first aid measures

【If inhaled】

If breathed in, move person into fresh air. If not breathing, give artificial respiration.

**【In case of skin contact】**

Wash off with soap and plenty of water.

**【In case of eye contact】**

Rinse thoroughly with plenty of water for at least 15 minutes and consult a physician.

**【If swallowed】**

Never give anything by mouth to an unconscious person. Rinse mouth with water. Consult a physician.

**5. Firefighting measures**

**【Suitable extinguishing media】**

Use water spray, alcohol-resistant foam, dry chemical or carbon dioxide.

**【Special hazards arising from the substance or mixture】**

Carbon oxides

Cerium oxides

**【Advice for firefighters】**

Wear self-contained breathing apparatus for firefighting if necessary.

**【Further information】**

No data available

**6. Accidental release measures**

**【Personal precautions, protective equipment and emergency procedures】**

Avoid dust formation. Avoid breathing vapors, mist or gas.

For personal protection see section 8.

**【Environmental precautions】**

Do not let product enter drains.

**【Methods and materials for containment and cleaning up】**

Sweep up and shovel. Keep in suitable, closed containers for disposal.

**7. Handling and storage**

**【Precautions for safe handling】**

provide appropriate exhaust ventilation at places where dust is formed. Normal measures for preventive fire protection. General industrial hygiene practice.

**【Conditions for safe storage, including any incompatibilities】**

Store in cool place. Keep container tightly closed in a dry and well-ventilated place.

Storage class (TRGS 510): 13: Non Combustible Solids.

**8. Exposure controls/personal protection**

**【Exposure controls】**

#### Appropriate engineering controls

Handle in accordance with good industrial hygiene and safety practice. Wash hands before breaks and at the end of workday.

#### 【Personal protective equipment】

##### Eye/face protection

Safety glasses with side-shields conforming to EN166 Use equipment for eye protection Tested and approved under appropriate government standards such as NIOSH(US) or EN166.

##### Skin protection

Handle with gloves. Gloves must be inspected prior to use. Use proper glove removal technique (without touching glove's outer surface) to avoid skin contact with this product.

Dispose of contaminated gloves after use in accordance with applicable laws and good laboratory practices. Wash and dry hands.

The selected protective gloves have to satisfy the specifications of EU Directive 89/686/EEC and the standard EN 374 derived from it.

##### Body protection

Complete suit protecting against chemicals, The type of protective equipment must be selected according to the concentration and amount of the dangerous substance at the specific workplace.

##### Respiratory protection

Respiratory protection is not required. Where protection from nuisance levels of dusts are desired, use type N95(US) or type P1(EN 143) dust masks. Use respirators and components tested and approved under appropriate government standards such as NIOSH(US) or CEN(EU).

##### Control of environmental exposure

Do not let product enter drains.

#### 9. Physical and chemical properties

Appearance	Form: solid
Odour	:No data available
Odour Threshold	:No data available
pH	:No data available
Melting point/freezing point	:No data available
Initial boiling point and boiling range	:No data available
Flash point	:No data available
Evaporation rate	:No data available
Flammability (solid, gas)	:No data available
Upper/lower flammability or explosive limits	: No data available
Vapour pressure	: No data available

Vapour density	: No data available
Relative density	: No data available
Water solubility	: No data available
Partition coefficient: n-octano/water	: No data available
Auto-ignition temperature	: No data available
Decomposition temperature	: No data available
Viscosity	: No data available
Explosive properties	: No data available
Oxidizing properties	: No data available

## 1 0 . **Stability and reactivity**

### **【Reactivity】**

No data available

### **【Chemical stability】**

Stable under recommended storage conditions.

### **【Possibility of hazardous reactions】**

No data available

### **【Conditions to avoid】**

No data available

### **【Incompatible materials】**

Strong oxidizing agents

### **【Hazardous decomposition products】**

In the event of fire: see section 5

## 1 1 . **Information on toxicological effects**

### **【Acute toxicity】**

Oral: No data available

Inhalation: No data available

Dermal: No data available

### **【Skin corrosion/irritation】**

No data available

### **【Serious eye damage/eye irritation】**

No data available

### **【Respiratory or skin sensitisation】**

No data available

### **【Germ cell mutagenicity】**

No data available

### **【Carcinogenicity】**

No data available

**【Reproductive toxicity】**

No data available

**【Specific target organ toxicity – single exposure】**

No data available

**【Specific target organ toxicity – repeated exposure】**

No data available

**【Aspiration hazard】**

No data available

**【Additional Information】**

No data available

**1 2 . Ecological information**

**【Toxicity】**

No data available

**【Persistence and degradability】**

No data available

**【Bioaccumulative potential】**

No data available

**【Mobility in soil】**

No data available

**【Results of PBT and vPvB assessment】**

PBT/vPvB assessment not available as chemical safety assessment not required/not conducted.

**1 3 . Disposal considerations**

**【Waste treatment methods】**

Product

Offer surplus and non-recyclable solutions to a licensed disposal company.

Contaminated packaging

Dispose of as unused product.

**1 4 . Transport information**

**【UN number】**

ADR/RID:—

IMDG:—

IATA:—

ADR/RID: Not dangerous goods

IMDG: Not dangerous goods

IATA: Not dangerous goods

