Safety Data Sheet

1. Chemical product and company identification

Product name : Cerium(Ⅲ) carbonate octahydrate, 4N

Company information

Name of manufacturer : KANTO CHEMICAL CO., INC.

Address : 2-1, Nihonbashi, Muromachi 2-Chome, Chuo-Ku, Tokyo, 103-0022, JP

Name of section : Business Administration Department, Reagent Division

Telephone number : +81-3-6214-1090 Facsimile number : +81-3-3241-1047 Mail address : BC32@kanto.co.jp

Reference No 07175

2. Hazards identification

Not applicable

3. Composition/information on ingredients

: Substance Distinction of substance or

mixture

Chemical name	Concentration (%)	Formula	TSCA	EC-No.	CAS RN
Cerium(III) carbonate octahydrate	≥ 99.99	Ce2(CO3)3 • 8H2O	Not listed	-	54451-25-1

4. First aid measures

First aid measures

First-aid measures after : Remove the victim to fresh air, and make him blow his nose and

inhalation gargle.

First-aid measures after skin : Wash the affected areas under running water.

contact

First-aid measures after eye Wash the affected areas under running water.

First-aid measures after : Give the victim water or salt water and induce vomiting. If

ingestion necessary, get medical attention.

Personal Protection in First Rescuers should wear proper protective equipment like rubber

Aid and Measures gloves, goggles.

5. Fire fighting measures

Suitable extinguishing media : This product is noncombustible.

Unsuitable extinguishing media

Firefighting instructions Move containers from fire area if it can be done without risk, if

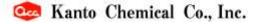
not possible, apply water from a safe distance to cool and

protect surrounding area.

Personal protection (Emergency

response)

: Firefighters should wear protective equipment.



6. Accidental release measures

Personal Precautions, Protective Equipment and Emergency Procedures

General measures : Wear proper protective equipment and avoid contact with skin and

inhalation of dust. Conduct operations from upwind and evacuate

people downwind.

Environmental precautions

Environmental precautions : Attention should be given to avoid damage to the environment by

flowing of spillage to rivers.

Methods and Equipment for Containment and Cleaning up

For containment : Sweep up the chemical and place in a chemical waste container.

7. Handling and storage

Handling

Technical measures : If necessary, wear proper protective equipment to avoid contact

with skin or inhalation of dust.

: Avoid formation of dust and aerosols. Precautions for safe handling

Do not allow contact with oxidizing substances.

Storage

Storage conditions : Store in a dark, cool place and tightly closed.

Material used in : Glass, polyethylene, polypropylene.

Not established

packaging/containers

8. Exposure controls / Personal protection equipment

Appropriate engineering

ACGIH TWA

controls Protective equipment : Install a local ventilation system in case of dusty condition.

: If necessary, wear dust mask Respiratory protection

Hand protection : Impervious protective gloves

Eye protection : Safety goggles

Skin and body protection : Protective clothing, protective boots

9. Physical and chemical properties

Physical state : Solid Color White 0 dor: Odorless

: No data available Melting point : No data available : No data available Freezing point Boiling point : No data available : No data available Flash point Auto-ignition temperature : No data available

: 100 ° C Decomposition temperature

Flammability (solid, gas) : Non flammable.

Vapor pressure : No data available
Relative density : No data available
Density : No data available
Relative gas density : No data available

Solubility : Water: Practically insoluble.

Partition coefficient n-octanol/water (Log Pow)

: No data available

Explosive limits (vol %) : No data available Viscosity, kinematic: : No data available Particle characteristics : No data available

10. Stability and reactivity

Reactivity : May react with oxidizing substances.

Chemical stability : Stable under normal conditions.

Possibility of hazardous

Stable under normal conditions of use.

reactions

Conditions to avoid : Light, heat.

Incompatible materials : Oxidizing substances.

Hazardous decomposition : Carbon monoxide. cerium oxide.

products

11. Toxicological information

Acute toxicity (oral)

Acute toxicity (dermal)

Acute toxicity (inhalation)

Classification not possible

Classification (gas)

No classification (vapor)

Classification not possible (dust, mist)

Skin corrosion/irritation : No classification Serious eye damage/irritation : No classification

: Classification not possible Respiratory sensitization : Classification not possible Skin sensitization Germ cell mutagenicity Classification not possible Carcinogenicity Classification not possible Reproductive toxicity : Classification not possible STOT-single exposure : Classification not possible : Classification not possible STOT-repeated exposure Aspiration hazard : Classification not possible

12. Ecological information

Ecotoxicity

Aquatic acute : Classification not possible Aquatic chronic : Classification not possible

Persistence and degradability

No additional information available

Bioaccumulative potential

No additional information available



Mobility in soil

No additional information available

Hazardous to the ozone layer

Ozone : Classification not possible

13. Disposal considerations

Ecology - waste materials : Bury in a landfill site approved for the disposal of chemical

and hazardous wastes. Or entrust approved waste disposal

companies with the disposal.

Contaminated container and

packaging

In case of disposal of empty bottles, dispose bottles after

removing the content thoroughly.

14. Transport information

International Regulations Transport by sea(IMDG)

UN-No. (IMDG) : Not applicable
Proper Shipping Name (IMDG) : Not applicable
Packing group (IMDG) : Not applicable
Transport hazard class(es) : Not applicable

(IMDG)

Air transport(IATA)

UN-No. (IATA) : Not applicable
Proper Shipping Name (IATA) : Not applicable
Packing group (IATA) : Not applicable
Transport hazard class(es) : Not applicable

(IATA)

Marine pollutant : Not applicable

15. Regulatory information

Regulatory information with regard to this substance in your country or region should be examined by your own responsibility.

16. Other information

Data sources : NITE Chemical Risk Information Platform (NITE-CHRIP), National

Institute of Technology and Evaluation.

Dangerous Properties of Industrial Materials, 6th ed.

N. I. Sax Van Nostrand Reinhold Company (1984) .

The information contained herein is based on several references and the present state of our knowledge. However the SDS does not always cover all information about the product, handle the product carefully. The information is intended to ordinary usage, in case of particular handlings, conduct appropriate safety measurements. The information herein is only provision of information, and it does not represent a guarantee the properties of the product. The Safety Data Sheet (SDS) is prepared based on JIS Z7253.