



JUNSEI

Material safety data sheet

1. Product and company identification

Product name : Cesium carbonate anhydrous
Name of manufacturer : Junsei Chemical Co., Ltd.
Address : 4-16, 4-Chome, Nihonbashi-Honcho, Chuo-ku Tokyo, 103-0023, JAPAN
Name of section : Quality Assurance Department
Telephone number : +81-48-986-6161
Facsimile number : +81-48-989-2787
Mail address : shiyaku-t@junsei.co.jp

2. Summary of danger and Hazard

GHS classification

Physical and chemical hazard

Flammable solids : Out of category
Pyrophoric solids : Out of category
Self-heating substances and mixtures : Out of category

Human health hazard

Acute toxicity(oral) : Out of category
Skin corrosion • Irritation : Category 2
Serious eye damage • Eye irritation : Category 2A

Pictogram or symbol



Signal word : Warning
Hazard statement : Causes skin irritation
Causes serious eye irritation

Cautions

Safety measurements : Wear appropriate protective gloves, glasses, clothing, face shield, or mask.
Wash protective equipment thoroughly after use.
First-aid measures : If in eyes : Rinse cautiously with water for several minutes. Get medical treatment.
If on skin : Remove contaminated clothing and the substance. If skin irritation occurs, get medical treatment.
Wash hands thoroughly after handling.

3. Composition/Information on ingredients

Substance/Mixture : Substance
Chemical name or commercial name

: Cesium carbonate
Ingredients and composition
: Cesium carbonate min. 98.0%
Chemical formula : Cs₂CO₃
CAS No. : 534-17-8
TSCA Inventory : Registered
EINECS No. : 2085919

4. First aid measures

Inhalation : Remove the victim to fresh air, and make him blow his nose and gargle.
Skin contact : Wash the affected areas under running water.
Eye contact : Wash the affected areas under running water.
Ingestion : Give the victim water or salt water and make him vomit. Get medical attention.

5. Fire fighting measures

Extinguishing media : This product is noncombustible.
Prohibited extinguishing media
: None
Particular fire fighting : 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.
Protection for firefighters
: Firefighters should wear protective equipment.

6. Accidental release measures

Cautions for personnel : Wear proper protective equipment and avoid contact with skin or inhalation of dust.
Removal measure : Sweep up in a chemical waste container. Flush residual area with copious amounts of water.

7. Cautions of handling and storage

Handling
Engineering measures : If necessary, wear proper protective equipment not to contact with skin or inhale the dust.
Storage
Adequate storage condition
: As the chemical has deliquescent property, keep the bottle tightly closed and store at a cool place.
Safety adequate container materials
: Glass, polyethylene, polypropylene

8. Exposure control/Personal protection

Engineering measures : Install a local ventilation system under dusty condition.
Control parameters
ACGIH(2009) : Not established
Protective equipment

Respiration protective equipment

: If necessary, wear dust mask

Hands protective equipment

: Impervious protective gloves

Eyes protective equipment

: Safety goggles

9. Physical and chemical properties

Appearance : Crystalline powder

Color : White

Odor : Odorless

pH : 10-12 (50 g / l, 20°C)

Boiling point : Decomposition

Melting point : Decomposition (600°C)

Flash point : Noncombustible

Specific gravity : Not available

Solubility

Solubility in solvents : Water : 72.3% (20°C)

Organic solvents : Soluble in ethanol

10. Stability and reactivity

Stability : Stable under normal usage.

Reactivity : -(Empty)-

Incompatible conditions : Light, heat

Incompatible materials : Acid

11. Toxicological information

Acute toxicity : Oral : Out of category

Dermal : Not possible to classify because of insufficient data.

Inhalation(vapor) : Not possible to classify because of insufficient data.

Inhalation(dust, mist) : Not possible to classify because of insufficient data.

rat oral LD50=2333mg/kg

Skin corrosiveness : Causes skin irritation(category 2)

-(Empty)-

Irritation to skin, eyes : Causes serious eye irritation(category 2A)

-(Empty)-

Respiratory sensitization or Skin sensitization

: Respiratory sensitization : Not possible to classify because of insufficient data.

Skin sensitization : Not possible to classify because of insufficient data.

Mutagenicity : Not possible to classify because of insufficient data.

Carcinogenic effects : Not possible to classify because of insufficient data

Effects on the reproductive system

: Not possible to classify because of insufficient data.

Specific target organ systemic toxicity single exposure

: Not possible to classify because of insufficient data.

-(Empty)-

Specific target organ systemic toxicity repeated exposure

: Not possible to classify because of insufficient data.

Aspiration hazard

: Not possible to classify because of insufficient data.

12. Ecological information

Ecotoxicity

Fish toxicity

: Acute aquatic toxicity : Not possible to classify because of insufficient data.

Chronic aquatic toxicity : Not possible to classify because of insufficient data.

Rediability and degradability

: Not available

Mobility

: Not available

13. Disposal consideration

Residual disposal

: Dilute with copious water and adjust the pH of the solution, after that flush in drains. Or entrust approved waste disposal companies with the disposal.

Containers

: In case of disposal of empty bottles, dispose bottles after removing the content thoroughly.

14. Transport information

UN class

: Not applicable

15. Regulatory information

Ensure this material in compliance with federal requirements and ensure conformity to local regulations.

16. Other information

References

Encyclopaedia Chemica, Kyoritsu Shuppan Co., Ltd. (1963)

Dangerous Properties of Industrial Materials, 6th ed. N. I. Sax Van Nostrand Reinhold Company (1984)

Handbook of 15710 Chemical Products, The Chemical Daily Co. (2010)

The information contained herein is based on several references and the present state of our knowledge. However the MSDS 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.