

Safety Data Sheet

1. Product and company identification

Product name : Calcium carbonate
Name of manufacturer : KANTO CHEMICAL CO., INC.
Address : 2-1, Nihonbashi, Muromachi 2-Chome, Chuo-Ku, Tokyo, 103-0022, Japan
Name of section : Reagent division, catalog and products information section
Telephone number : +81-3-6214-1090
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Mail address : BC32@gms.kanto.co.jp
SDS No. : 07050

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 : Out of category
Serious eye damage/eye irritation : Out of category
Specific target organ systemic toxicity(single exposure) : Out of category
Specific target organ systemic toxicity(repeated exposure) : Out of category

Environmental hazard

Hazardous to the aquatic environment-acute hazard : Out of category
Hazardous to the aquatic environment-chronic hazard : Out of category

3. Composition/Information on ingredients

Substance/Mixture : Substance
Chemical name or commercial name : Calcium carbonate

Ingredients and composition

: Calcium carbonate min. 98.0%
Chemical formula : CaCO₃
CAS No. : 471-34-1



TSCA Inventory : Registered

EINECS No. : 2074399

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. If necessary, 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 equipment and avoid contact with skin and inhalation of dust. Keep away personnel except for authorized ones from spillage area by stretching ropes.

Cautions for environment : Attention should be given not to cause damage to the environment by flowing of spillage to rivers. In case of the dilution of copious water, do not cause damage to the environment by untreated wastewater.

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

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

Safety adequate container materials

: Glass, polyethylene, polypropylene

8. Exposure control/Personal protection

Engineering measures : Install a local ventilation system in case of dusty condition.

Control parameters

ACGIH(2015) : 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 : Powder
Color : White
Odor : Odorless
Boiling point : Decomposition
Melting point : 825°C
Flash point : Noncombustible
Specific gravity : 2.9g/cm³ (20°C)
Solubility
Solubility in solvents : Water ; 1.5mg/water 100mL
Other data : Decomposes by acids.

10. Stability and reactivity

Stability : Stable under normal usage.
Reactivity : When heated more than 825°C, the substance emits corrosive calcium oxide fume.
Incompatible conditions : Light, heat
Incompatible materials : Acids

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=6450mg/kg

Skin corrosiveness/irritation

: Out of category
Since the substance has no irritation to the skin, it was classified into out of category.

Serious eye damage/eye irritation

: Out of category
Since the substance causes mild irritation to the eye, it was classified into out of category.

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

: Out of category

Since calcium carbonate is permitted to use for medicine and it has low toxicity, it was set into out of category.

Specific target organ systemic toxicity repeated exposure

: Out of category

Since calcium carbonate is permitted to use for medicine and it has low toxicity, it was set into out of category.

Aspiration hazard

: Not possible to classify because of insufficient data.

12. Ecological information

Ecotoxicity

Fish toxicity

: Acute aquatic toxicity : Out of category

Chronic aquatic toxicity : Out of category

Fish(Gambusia affinis) TLm>56000mg/L/96H

Persistence and degradability

: Not available

Bioaccumulative potential : Not available

13. Disposal consideration

Residual disposal

: Bury in a landfill site approved for the disposal of chemical and hazardous wastes. 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

: It is not regulated under UN regulations.

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 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, and it has the same required elements on the Material Safety Data Sheet (MSDS) which is prepared based on JIS Z7250:2010.

