

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
 Facsimile number : +81-3-3241-1047
 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



Eyes 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) TL₅₀>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.

