

SDS Safety Date Sheet

1. Chemical Product and Company Identification

Product name : CDMBI (2-Chloro-1,3-dimethyl-1H-benzimidazol-3-ium chloride)
Product code : 171811
Manufacturer/Supplier name : Fushimi Pharmaceutical Co., Ltd.
Address : 307 Minatomachi, Marugame, Kagawa 763-0042
Telephone number : 81-87-899-7743
Fax number : 81-877-22-6280
E-mail address : info@fushimi.co.jp
Emergency telephone number : 81-3-6361-9121

2. Hazards Identification

GHS classification
Physical hazards : Not available
Health hazards : Not available
Environmental hazards : Not available

Allocation of Label Elements
Hazard symbols : Not available
Signal word : Not available
Hazard statements : Not available
Precautionary statements : Not available
Other hazards : Not available

3. Composition/Information on Ingredients

Substance/mixture : Pure compound
Chemical name : 2-Chloro-1,3-dimethyl-1H-benzimidazol-3-ium chloride
Percent : >95.0 % (NMR)
CAS No. : 364774-78-7
Synonym : CDMBI
Chemical formula : $C_9H_{10}Cl_2N_2$
Molecular weight : 217.11

4. First Aid Measures

After inhalation :
If inhaled, remove to fresh air. If breathing becomes difficult, call a physician.
After skin contact :
In case of contact, immediately wash skin with soap and copious amounts of water.
After eye contact :
In case of contact with eyes, flush with copious amounts of water for at least 15 minutes. Assure adequate flushing by separating the eyelids with fingers. Get medical attention.
After ingestion :
If swallowed, wash out mouth with water provided person is conscious. Get medical attention.

5. Fire Fighting Measures

Extinguishing media :
Suitable: Water spray. Carbon dioxide, dry chemical powder, or appropriate foam.
Prohibited extinguishing media :
Date not available.
Specific hazards arising from the chemical :
Emits toxic fumes under fire conditions.

Special protective equipment and precautions for fire-fighters :

Wear self-contained breathing apparatus and protective clothing to prevent contact with skin and eyes.

6. Accidental Release Measures

Personal precautions :

Exercise appropriate precautions to minimize direct contact with skin or eyes and prevent inhalation of dust.

Environmental precautions :

Do not let product enter the drains.

Methods for cleaning up :

Sweep up, place in a bag and hold for waste disposal. Avoid raising dust. Ventilate area and wash spill site after material pickup is complete.

7. Handling and Storage

Handling :

Directions for safe handling: Avoid inhalation. Avoid contact with eyes, skin, and clothing. Avoid prolonged or repeated exposure.

Storage :

Store in a well-ventilated place. Keep container tightly closed.
Store locked up.

8. Exposure Controls /Personal Protection

Control Parameters :

Date not available

Engineering controls :

Safety shower and eye bath. Mechanical exhaust required.

General hygiene measures :

Wash thoroughly after handling.

Personal protective equipment :

Respiratory protection: Wear dust mask.

Hand protection: Protective gloves.

Eye protection: Chemical safety goggles.

9. Physical and Chemical Properties

Appearance	: White powder
Odor	: Faint characteristic odor
pH	: Not available
Melting point/freezing point	: Not available
Boiling point/range	: Not available
Flash point	: Not available
Evaporation Rate	: Not available
Flammability or explosive limits	: Not available
Vapor pressure	: Not available
Vapor Density	: Not available
Relative density	: Not available
Solubility	: Not available
Log Pow	: Not available
Spontaneous ignition temperature	: Not available
Decomposition temperature	: Not available
Viscosity	: Not available

10. Stability and Reactivity

Reactivity	: Not available
Chemical Stability	: Stable under normal conditions
Possibility of Hazardous Reaction	: Under fire conditions, harmful decomposition

Conditions to avoid

products such as carbon monoxide and nitrogen oxide might be generated.
: Extremely high temperature.
All heat sources (hot, spark, and flame).
Wetness conditions.

Incompatible materials

: Strong oxidizing agents

Hazardous decomposition products

: Under fire conditions, harmful decomposition products such as carbon monoxide, carbon dioxide and nitrogen oxide might be generated.

11. Toxicological Information

Routes of Exposure

: Not available

Symptoms

: Not available

Toxicity

Acute toxicity : Not available
Skin irritation/corrosion : Not available
Serious eye damage/ irritation : Not available
Respiratory or skin sensitization : Not available
Reproductive cell mutagenicity : Not available
Carcinogenicity : Not available
Reproductive toxicity : Not available
Specific target organ toxicity (single exposure) : Not available
Specific target organ toxicity (repeated exposure) : Not available
Aspiration hazard : Not available

12. Ecological Information

Ecotoxicity:

Fish Toxicity : Not available
Earthworm Toxicity : Not available
Algal Growth Inhibition Test : Not available
Acute Immobilization Test : Not available

Persistence/degradability

: Not available

Bioaccumulative potential

: Not available

Mobility in soil

: Not available

Results of PBT and vPvB Assessment

: Not available

Other adverse effects

: Not available

13. Disposal Considerations

Observe all federal, state, and local environmental regulations. Do not dump this product into sewers, on the ground or into any body of water. Contact a licensed professional waste disposal service to dispose of this material. Dissolve or mix the material with a combustible solvent and burn in a chemical incinerator equipped with an afterburner and scrubber.

14. Transportation Information

UN Number

: -

Shipping Name

: -

Hazard Class

: -

Packing Group

: No information available

Hazard Labels

: No information available

IMO

: Non-hazardous material

IATA

: Non-hazardous material

RID/ADR

: Non-hazardous material

15. Regulatory Information

ENCS : -
ISHL : -

Please refer to any other federal, state and local regulations.

16. Other Information

Warranty

The above information is believed to be correct but does not purport to be all inclusive and shall be used only as a guide. The information in this document is based on the present state of our knowledge and is applicable to the product with regard to appropriate safety precautions. It does not represent any guarantee of the properties of the product. Fushimi Pharmaceutical Co., Ltd. shall not be held liable for any damage resulting from handling or from contact with the above product. See reverse side of invoice or packing slip for additional terms and conditions of sale.

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