



YAMASA CORPORATION
Head Office
2-10-1 Araoicho
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www.yamasa.com

SAFETY DATA SHEET

1. IDENTIFICATION OF THE SUBSTANCE/MIXTURE AND OF THE COMPANY/UNDERTAKING

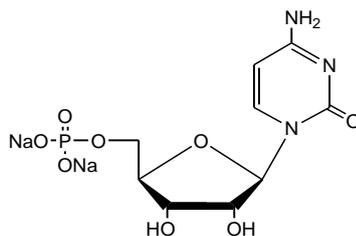
- 1.1. Product identifier
Trade name : CMP,2Na-PC
Chemical name : Cytidine 5'-monophosphate, disodium salt
Disodium Cytidine Phosphate
CAS number : 6757-06-8
REACH number : A registration number is not available for this substance.
- 1.2. Relevant identified uses of the substance or mixture and uses advised against
Identified use : Cosmetic raw material
- 1.3. Details of the supplier of the safety data sheet
Company name : YAMASA CORPORATION
Address : 2-10-1 Araoicho, Choshi, Chiba 288-0056, Japan
Telephone number : +81 479 22 0095

2. HAZARDS IDENTIFICATION

- 2.1 Classification of the substance or mixture
Classification (EC 1272/2008)
Physical hazards : Not Classified
Health hazards : Not Classified
Environmental hazards : Not Classified
- 2.2 Label elements
Hazard statements : Not Classified
- 2.3 Other hazards : This substance/mixture contains no components considered to be either persistent, bioaccumulative and toxic (PBT), or very persistent and very bioaccumulative (vPvB) at levels of 0.1% or higher.

3. COMPOSITION/INFORMATION ON INGREDIENTS

- 3.1 Substances
Chemical name : Cytidine 5'-monophosphate, disodium salt
Disodium Cytidine Phosphate
CAS number : 6757-06-8
EC number : 229-819-3
Molecular formula : C₉H₁₂N₃O₈PNa₂
Molecular weight : 367.16
Structure :



4. FIRST AID MEASURES

- 4.1. Description of first aid measures
Inhalation : May be harmful, if a large amount of the material was taken, require immediately medical treatment.
Skin contact : Wash immediately with water.
Eye contact : Wash immediately with water.
Ingestion : May be harmful, if a large amount of the material was taken, require immediately medical treatment.
- 4.2. Most important symptoms and effects, both acute and delayed : No information available.
- 4.3. Indication of any immediate medical attention and special treatment needed
Notes to Physician : Treat symptomatically.



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5. FIRE FIGHTING MEASURES

- 5.1 Extinguishing media : Use extinguishing media appropriate to surrounding fire conditions.
5.2. Special hazards arising from the substance or mixture : Emits toxic fumes under fire conditions.
5.3. Advice for firefighters : Wear self-contained breathing apparatus and protective clothing to prevent contact with skin and eyes.

6. ACCIDENTAL RELEASE MEASURES

- 6.1. Personal precautions, protective equipment and emergency procedures : Wear self-contained breathing apparatus, rubber boots and heavy rubber gloves.
6.2. Environmental precautions : Avoid discharge into drains or watercourses or onto the ground
6.3. Methods and material for containment and 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.
6.4. Reference to other sections : No data available.

7. HANDLING AND STORAGE

- 7.1. Precautions for safe handling : Do not breathe dust. Avoid contact with skin, eyes, or clothing. Wash thoroughly after handling.
7.2. Conditions for safe storage, including any incompatibilities : Keep dry, stable at room temperature.

8. EXPOSURE CONTROLS/ PERSONAL PROTECTION

- 8.1. Control parameters
Occupational exposure limits : No exposure limits known for ingredient(s).
8.2. Exposure controls
: Wear appropriate NIOSH / MSHA-approved respirator, chemical-resistant gloves, safety goggles, other protective clothing.
: Use only in a chemical fume hood.
: Safety shower and eye bath.
: Do not breathe vapor.
: Do not get in eyes, on skin, on clothing.
: Avoid prolonged or repeated exposure.
: Wash thoroughly after handling.
: Keep tightly closed.
: Store in a cool dry place.

9. PHYSICAL AND CHEMICAL PROPERTIES

- 9.1. Information on basic physical and chemical properties
Appearance : White crystalline powder
Odor : Odorless.
pH : No data available.
Melting point/freezing point : No data available.
Initial boiling point and boiling range : No data available.
Flash point : -
Flammability (solid, gas) : No data available.
Upper/lower flammability or explosive limits : No data available.
Vapor pressure : No data available.
Vapor density : No data available.
Relative density : No data available.
Solubility in water : Freely soluble in water.
Partition coefficient: *n*-octanol/water : No data available.
Auto-ignition temperature : No data available.
Decomposition temperature : No data available.
Viscosity : No data available.
Particle Characteristics : No data available.
9.2. Other information : No data available.



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10. STABILITY AND REACTIVITY

- 10.1. Reactivity : Normally stable.
10.2. Chemical stability : Stable under the prescribed storage conditions.
10.3. Possibility of hazardous reactions : No data available.
10.4. Conditions to avoid : No data available.
10.5. Incompatible materials : Strong oxidizing agents.
10.6. Hazardous decomposition products : Carbon monoxide, carbon dioxide, nitrogen oxides.

11. TOXICOLOGICAL INFORMATION

11.1. Information on toxicological effects as defined in Regulation (EC) No 1272/2008.

- Acute toxicity
Oral : No data available.
Dermal : No data available.
Inhalation : No data available.
Skin corrosion/irritation : Not classified. (OECD 439) [1]
No irritation. (24-hour occlusive human skin patch test, 40% w/w aqueous solution) [1]
No irritation. (RIPT, 10% w/w aqueous solution) [1]
Serious eye damage/irritation : Not classified. (OECD 491) [1]
Respiratory or skin sensitization
Respiratory : No data available.
Skin : Negative. (OECD 442C) [1].
Negative. (OECD 442D) [1]
Non-sensitizing. (RIPT, 10% w/w aqueous solution) [1]
Germ cell mutagenicity : Negative. (Ames test, OECD 471, maximum dose: 5,000 µg/plate) [1]
Negative. (Chromosome aberration test, OECD 473, maximum dose: 2,000 µg/ml) [1]
Carcinogenicity : No data available.
Reproductive toxicity : No data available.
STOT-single exposure : No data available.
STOT-repeated exposure : No data available.
Aspiration hazard : Not applicable. Solid.
11.2. Information on other hazards : No data available.

12. ECOLOGICAL INFORMATION

- 12.1 Toxicity : No data available.
12.2 Persistence and degradability : No data available.
12.3 Bioaccumulative potential : No data available.
12.4 Mobility in soil : No data available.
12.5 Results of PBT and vPvB assessment : This substance/mixture contains no components considered to be either persistent, bioaccumulative and toxic (PBT), or very persistent and very bioaccumulative (vPvB) at levels of 0.1% or higher.
12.6 Endocrine disrupting properties : The substance/mixture does not contain components considered to have endocrine disrupting properties according to REACH Article 57(f) or Commission Delegated regulation (EU) 2017/2100 or Commission Regulation (EU) 2018/605 at levels of 0.1% or higher.
12.7 Other adverse effects : No data available.

13. DISPOSAL CONSIDERATIONS

- 13.1 Waste treatment methods : Comply with all EU, national, and local regulations. Do not dump this material into sewers, on the ground or into any body of water. Residue from fires extinguished with this material may be hazardous. Do not re-use empty containers.

14. TRANSPORT INFORMATION

IMDG/IMO (International Maritime Organization/International Maritime Dangerous Goods Code)

- 14.1. UN number or ID number : Not applicable.
14.2. UN proper shipping name : Not applicable.
14.3. Transport hazard class(es) : No transport warning sign required.
14.4. Packing group : Not applicable.
14.5. Environmental hazards : No hazards identified.



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ADR (European Agreement Concerning the International Carriage of Dangerous Goods by Road)

- 14.1. UN number or ID number : Not applicable.
- 14.2. UN proper shipping name : Not applicable.
- 14.3. Transport hazard class(es) : No transport warning sign required.
- 14.4. Packing group : Not applicable.
- 14.5. Environmental hazards : No hazards identified.

IATA (International Air Transport Association)

- 14.1. UN number or ID number : Not applicable.
- 14.2. UN proper shipping name : Not applicable.
- 14.3. Transport hazard class(es) : No transport warning sign required.
- 14.4. Packing group : Not applicable.
- 14.5. Environmental hazards : No hazards identified.

14.6. Special precautions for user : No special precautions required.

14.7. Marine transport in bulk according to IMO instruments
: Not applicable.

15. REGULATORY INFORMATION

- 15.1. Safety, health and environmental regulations/legislation specific for the substance or mixture.
: This material safety data sheet complies with the requirements of Regulation (EC) No. 1907/2006.
- 15.2. Chemical safety assessment : For this product a chemical safety assessment was not carried out.

16. OTHER INFORMATIONS

16.1. Reference

[1] Data provided by YAMASA CORPORATION. (2025)

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