

Safety Data Sheet SDS

Manufacturer Information

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Product name: CARD KSOM; (KSOM AA)

Identification of the material:

Classification of product or mixture: mixture

Chemical formula:

NaCl

KCl

CaCl₂

MgSO₄·7H₂O

KH₂PO₄

NaHCO₃

D (+) glucose

Sodium pyruvate

Sodium DL-lactate

Ethylene diamine tetra acetic acid, disodium salt

Purified albumin

Penicillin G potassium salt

Streptomycin sulfate

Phenol red

L-glutamine

L-arginine

L-cystine

L-histidine

L-isoleucine

L-lysine
L-methionin
L-lysine
L-methionine
L-phenylalanine
L-threonine
L-tryptophan
L-tyrosine
L-valine
Glycine
L-alanine
L-asparagine
L-aspartic acid
L-glutamic acid
L-proline
L-serine

REFERENCE No. in Japan:

NaCl:(1)-236

KCl:(1)-228

CaCl₂:(1)-176

MgSO₄ · 7H₂O:(1)-467

KH₂PO₄:(1)-452

NaHCO₃:(1)-164

D (+) glucose: (8)-46

Sodium pyruvate :(9)-1079

L-glutamine: (9)-1573

Ethylene diamine tetra acetic acid, disodium salt: (2)-1265

Purified albumin: none

Penicillin G potassium salt: none

Streptomycin sulfate: none

Phenol red: (4)-271

L-arginine: (2)-1307

L-histidine: (9)-1607

L-isoleucine: (9)-1560

L-lysine: (9)-1633

L-methionine: (2)-1254
L-phenylalanine: (9)-1283
L-threonine: (9)-1584
L-tryptophan: (9)-869
L-tyrosine: (9)-1596
L-valine: (9)-1604
Glycine: (9)-77
L-alanine: (9)-1553
L-asparagine: (2)-2383
L-aspartic acid: (2)-1305
L-glutamic acid: (9)-1573
L-proline: (9)-1626
L-serine: (9)-1585

CAS No. :

NaCl:7647-14-5

KCl:7447-40-7

CaCl₂:10043-52-4

MgSO₄·7H₂O:10344-99-8

KH₂PO₄:7758-11-4

NaHCO₃:144-55-8

Sodium pyruvate:113-24-6

D (+) glucose: 50-99-7

L-glutamine: 56-86-0

Ethylene diamine tetra acetic acid, disodium salt: 6381-92-6

Purified albumin: 9048-46-8

Penicillin G potassium salt: 113-98-4

Streptomycin sulfate: 3810-74-0

Phenol red: 143-74-8

L-arginine: 74-79-3

L-cysteine: 52-90-4

L-histidine: 71-00-1

L-isoleucine: 73-32-5

L-lysine: 56-87-1

L-methionine: 63-68-3

L-phenylalanine: 63-91-2

L-threonine: 72-19-5

L-tryptophan: 73-22-3

L-tyrosine: 60-18-4

L-valine: 72-18-4

Glycine: 56-40-6

L-alanine: 56-41-7

L-asparagine: 5794-13-8

L-aspartic acid: 56-84-8

L-glutamic acid: 56-86-0

L-proline: 147-85-3

L-serine: 56-45-1

HAZARD IDENTIFICATION

The name of the classification: There are no data.

The risk: There are no data.

Hazardousness: There are no data.

Environmental influence: There are no data.

FIRST AID

Emergency measures

eyes contact: After having washed its eyes with clean water promptly more than 15 minutes, receive treatment for the ophthalmologist immediately.

skin contact: take off polluted clothes promptly and wash away the part which touched with soapy water or clean water and produce inflammation to skin, receive treatment for the doctor immediately.

Inhale it: move a patient to the fresh place of the air promptly and let it warm with blankets and rest quietly in bed and receive treatment for the doctor immediately.

if swallow it: rinse mouth with water and vomit when there is the consciousness, receive treatment for the doctor immediately.

FIRE FIGHTING MEASURES

Extinguishing media

This product is non-flammable. Use appropriate extinguish appropriate for surrounding fire conditions.

In the case of the outskirts and a fire, move a container to the safe place immediately.

Extinguishing agents: A water mist, carbon dioxide, a bubble, powdered extinguishing

agent.

MEASURES IN CASE OF THE LEAKAGE

Personal precautions: Evacuate nonessential personnel.

Collect it as far as you can do it in an empty container, and the thing which leaked out washes out with water. Absorb with inert absorbent.

Efforts should be made to prevent damage to the environment, such as damage caused by disposing of products in waterways.

Wear tools for protection and work from windward.

ATTENTION IN THE HANDLING AND STORAGE

The handling: Avoid rough handling that may shock the container. Do not tip over or drop the container.

After the handling, perform hand-washing enough.

Storage: Store in the cool and dark space.

PHYSICAL AND CHEMICAL PROPERTIES

Appearance: A colorless transparent liquid.

Specific gravity: There are no data.

Solubility: This product is water solution.

STABILITY AND REACTIVITY

An ignition point: No-inflammability

An explosion range: No-inflammability

Stability: There are no data.

Reactivity: There are no data.

TOXICOLOGICAL INFORMATION

Skin is corrosive: There are no data.

Acridity (skin, eyes): There are no data.

Sensitization: There are no data.

Acute toxicity LD50:

More than 3 g/kg of oral administration in rat(NaCl)

More than 2.6 g/kg of oral administration in rat(KCl)

More than 2.045 g/kg of oral administration in rat(CaCl₂)

More than 1700 mg/kg of oral administration in mice (KH₂PO₄)

More than 25.8 g/kg of oral administration in rat (D (+) glucose)

More than 30 g/kg of oral administration in mice (L-glutamine)

Chronic toxicity: There are no data.

Mutagenesis :

Germ cell mutagenicity: mmo-sat 1 mg/plate (+S9) (Phenol red)

Germ cell mutagenicity: sce-hmn-lym 10 mg/L (L-lysine)

ECOLOGICAL INFORMATION

Degradability: There are no data

Accumulation: There are no data

Fish toxicity: There are no data

DISPOSAL CONSIDERATION

Dispose of after diluting with large amount of water.

Adhere to the water pollution prevention act and other related regulations.

TRANSPORT INFORMATION

IATA: not restricted

MARINE POLLUTANT: NO

DOT(Department of Transportation): Not a hazardous material for DOT shipping.

REGULATORY INFORMATION

The Industrial Safety and Health Act: N/A

The Fire Services Act: N/A

Chemical substance management promotion law (the PRTR law): N/A

Aviation Act: N/A

Others

Use for research only. Not for medical use.

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.

Should the user handle the product under special conditions, the product should be used safely in accordance with the application and method of use.
