Date of issue : 13 May,2014
Date of revision : 6 July,2020

Safety Data Sheet

1. Product and company identification

Product name	:	CHROMagarTM Candida/Potato dextrose agar (Prepared media)
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, technical department, microbiology section
Telephone number	:	+81-3-6214-1091
Facsimile number	:	+81-3-3241-1047
Mail address	:	medium-info@gms.kanto.co.jp
Product No.	:	72027
SDS No.	:	72027-1

2. Summary of danger and Hazard

GHS classification	:	GHS classification is "Out of category" or "Classification not possible".

3. Composition/Information on ingredients

Substance/Mixture	:	Mixture
Chemical name or commercial name	:	Culture medium contains below substances. (CHROMagar Candida)
Ingredients and composition	:	Agar 1.43% Peptone 0.97% Chromogenic mix 2.10% Chloramphenicol 0.05% Water 95.45%
Chemical formula	:	Agar - Peptone - Chromogenic mix - Chloramphenicol C11H12Cl2N2O5
CAS No.	:	Agar 9002-18-0 Peptone - Chromogenic mix - Chloramphenicol 56-75-7

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 immediately.

5. Fire fighting measures

Extinguishing media	:	Water, dry chemical powder, carbon dioxide, dry sand, foam

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 protective equipment and avoid contact with skin and inhalation of dust. Conduct operations from upwind and evacuate people downwind.

Cautions for environment : Attention should be given to avoid discharge of spilled product into rivers and resulting environmental damage. When diluting spill with large amounts of water, discharge of untreated wastewater into the environment must be avoided.

Removal measure : Sweep up the chemical and place in a chemical waste container.

7. Cautions of handling and storage

Handling

Engineering measures : If necessary, wear proper protective equipment to avoid contact with skin or inhalation of dust.

Cautions for safety handling
: Avoid formation of dust and aerosols.

Storage

Adequate storage condition
: Keep the bottle tightly closed and store in a refrigerator. (2-8℃)

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
: If necessary, wear gloves.

Eyes protective equipment
: If necessary, wear goggles.

Skin and body protective equipment
: Protective clothing, protective boots

9. Physical and chemical properties

Appearance : Gel

Color : White - light brown

Odor	:	Slight characteristic odor
pH	:	6.1
Boiling point	:	Not available
Melting point	:	Not available
Flash point	:	Not available
Auto-ignition point	:	Not available
Explosion characteristics		
Explosion limit	:	Not available
Vapor pressure	:	Not available
Density	:	Not available
Solubility		
Solubility in solvents	:	Water ; Soluble in hot water
log Pow	:	Not available

10. Stability and reactivity

Stability	:	Stable under normal conditions.
Reactivity	:	May react with oxidizing substances.
Incompatible conditions	:	Light, heat
Incompatible materials	:	Oxidizing substances
Hazardous decomposition products	:	Carbon monoxide, nitrogen oxides

11. Toxicological information

Acute toxicity	:	Oral : Not possible to classify because of insufficient data. 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.
Skin corrosion/irritation	:	Not possible to classify because of insufficient data.
Serious eye damage/eye irritation	:	Not possible to classify because of insufficient data.
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	:	Not possible to classify because of insufficient data.
Specific target organ systemic toxicity repeated exposure	:	Not possible to classify because of insufficient data.

Aspiration hazard : Not possible to classify because of insufficient data.

12. Ecological information

Ecotoxicity

Fish toxicity : Acute aquatic toxicity : Not possible to classify because of insufficient data.

Chronic aquatic toxicity : Not possible to classify because of insufficient data.

Persistence and degradability

: Not available

Bioaccumulative potential : Not available

Mobility in soil : Not available

13. Disposal consideration

Residual disposal : Product is discard after high-pressure sterilization at 121℃, 20minutes.

Or entrust approved waste disposal companies with the disposal.

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)

Handbook of 16817 Chemical Products, The Chemical Daily Co.(2017)

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.

Date of issue : 13 May,2014
Date of revision : 6 July,2020

Safety Data Sheet

1. Product and company identification

Product name	:	CHROMagarTM Candida/Potato dextrose agar (Prepared media)
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, microbiology department, technical section
Telephone number	:	+81-3-6214-1091
Facsimile number	:	+81-3-3241-1049
Mail address	:	medium-info@gms.kanto.co.jp
Product No.	:	72027
SDS No.	:	72027-2

2. Summary of danger and Hazard

GHS classification	:	GHS classification is "Out of category" or "Classification not possible".

3. Composition/Information on ingredients

Substance/Mixture	:	Mixture
Chemical name or commercial name	:	Culture medium contains below substances. (Potato dextrose agar)
Ingredients and composition	:	Ager 1.4% Poteto Extract 0.4% D(+)-Glucose 1.9% Water 96.3%
Chemical formula	:	Ager - Poteto Extract - D(+)-Glucose C6H12O6
CAS No.	:	Ager 9002-18-0 Poteto Extract - D(+)-Glucose 50-99-7

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 immediately.

5. Fire fighting measures

Extinguishing media	:	Water, dry chemical powder, carbon dioxide, dry sand, foam
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 protective equipment and avoid contact with skin and inhalation of dust. Conduct operations from upwind and evacuate people downwind.

Cautions for environment : Attention should be given to avoid discharge of spilled product into rivers and resulting environmental damage. When diluting spill with large amounts of water, discharge of untreated wastewater into the environment must be avoided.

Removal measure : Sweep up the chemical and place in a chemical waste container.

7. Cautions of handling and storage

Handling

Engineering measures : If necessary, wear proper protective equipment to avoid contact with skin or inhalation of dust.

Cautions for safety handling
: Avoid formation of dust and aerosols.

Storage

Adequate storage condition
: Keep the bottle tightly closed and store in a refrigerator. (2-8℃)

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
: If necessary, wear gloves.

Eyes protective equipment
: If necessary, wear goggles.

Skin and body protective equipment
: Protective clothing, protective boots

9. Physical and chemical properties

Appearance : gel
Solid

Color : Pale yellow-brown

Odor : Slight characteristic odor

pH	:	5.6
Boiling point	:	Not available
Melting point	:	Not available
Flash point	:	Not available
Auto-ignition point	:	Not available
Explosion characteristics		
Explosion limit	:	Not available
Vapor pressure	:	Not available
Density	:	Not available
Solubility		
Solubility in solvents	:	Water ; Soluble in hot water
log Pow	:	Not available

10. Stability and reactivity

Stability	:	Stable under normal conditions.
Reactivity	:	May react with oxidizing substances.
Incompatible conditions	:	Light, heat
Incompatible materials	:	Oxidizing substances
Hazardous decomposition products		
	:	Carbon monoxide

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.
		(as D(+)-glucose)
		rat oral LD50=25800mg/kg
Skin corrosion/irritation	:	Not possible to classify because of insufficient data.
Serious eye damage/eye irritation		
	:	Not possible to classify because of insufficient data.
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		
	:	Not possible to classify because of insufficient data.
Specific target organ systemic toxicity repeated exposure		

: Not possible to classify because of insufficient data.

Aspiration hazard : Not possible to classify because of insufficient data.

12. Ecological information

Ecotoxicity

Fish toxicity : Acute aquatic toxicity : Not possible to classify because of insufficient data.

Chronic aquatic toxicity : Not possible to classify because of insufficient data.

Persistence and degradability

: Not available

Bioaccumulative potential : Not available

Mobility in soil : Not available

13. Disposal consideration

Residual disposal : Product is discard after high-pressure sterilization at 121℃, 20minutes.

Or entrust approved waste disposal companies with the disposal.

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)

Handbook of 16817 Chemical Products, The Chemical Daily Co.(2017)

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.