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Safety Data Sheet

1. Product and company identification

Product name	:	Starch, potato
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.	:	37326

2. Summary of danger and Hazard

GHS classification

Physical and chemical hazard

Flammable solids	:	Out of category
Pyrophoric solids	:	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
Skin sensitization	:	Out of category
Carcinogenicity	:	Out of category
Reproductive toxicity	:	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	:	Starch
Synonyms	:	Amylodextrin

Ingredients and composition

: Starch min. 80%

Chemical formula : (C6H10O5)n

CAS No. : 9005-25-8

TSCA Inventory : Registered

EINECS No. : 2326864

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 or inhalation of dust.

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.

Cautions for safety handling

: Handle the chemical not to generate aerosol or 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 under dusty condition.

Control parameters

ACGIH(2009) : Not established

Protective equipment

Respiration protective equipment

: If necessary, wear dust mask

Hands 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	:	Decomposition
Specific gravity	:	1.6g/ml(20℃)
Solubility		
Solubility in solvents	:	Water ; Soluble in hot water
Other data	:	Hygroscopic

10. Stability and reactivity

Stability	:	Stable under normal usage.
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.

Since starch is polymer of D-glucose and it is contained in corn, potato, or sweet potato, the classification of oral toxicity is set into out of category.

mouse intrapeirtoneal LD50=6600mg/kg

Skin corrosiveness : Out of category

Since starch is polymer of D-glucose and it is contained in corn, potato, or sweet potato, it has no skin irritation property.

Irritation to skin, eyes : Out of category

Since starch is polymer of D-glucose and it is contained in corn, potato, or sweet potato, it has no eye irritation property.

Respiratory sensitization or Skin sensitization

: Respiratory sensitization : Not possible to classify because of insufficient data.

Skin sensitization : Out of category

Since starch is polymer of D-glucose and it is contained in corn, potato, or sweet potato, it has no skin sensitization property.

Mutagenicity : Not possible to classify because of insufficient data.

Carcinogenic effects : Out of category

Since starch is polymer of D-glucose and it is contained in corn, potato, or sweet potato, it has no carcinogenic effects.

Effects on the reproductive system

: Out of category

Since starch is polymer of D-glucose and it is contained in corn, potato, or sweet potato, it has no reproductive system toxicity.

Specific target organ systemic toxicity single exposure

: Out of category

Since starch is polymer of D-glucose and it is contained in corn, potato, or sweet potato, it has no hazaradous property.

Specific target organ systemic toxicity repeated exposure

: Out of category

Since starch is polymer of D-glucose and it is contained in corn, potato, or sweet potato, it has no hazaradous property.

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

Rediualbility and degradability

: Not available

Mobility : Not available

13. Disposal consideration

Residual disposal : Dispose as domestic waste, 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)

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.