Centre Testing International Group

SDS

Report No. : XG26080153

Company Name shown on Report: Guangdong Lijinyou Agricultural Science and Technology Co., Ltd.

Address: No.1, National Modern Agricultural Industrial Park, Chengdong Town, Meixian District, Meizhou City, G uangdong Province, China

Sample Name: Naringin

Reviewed by: Jeff Weng

Approved by: Lynn Li

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CTI 华测检测

Safety Data Sheet

Naringin

Version：V1.0.0.0
Report No.：XG26080153
Creation Date：2026/08/12
Revision Date：2026/08/12

***Prepared according to UN GHS (the 11th revised edition)**

1 Identification of the chemical and supplier

|Product identifier

Product Name	Naringin
Common Name/Trade Name	None
CAS No.	Not applicable
EC No.	Not applicable
Molecular Formula	Not applicable

| Recommended use of the product and restrictions on use

Relevant identified uses	Food additives.
Uses advised against	Please consult the supplier.

| Details of the supplier of the Safety Data Sheet

Name of the company	Guangdong Lijinyou Agricultural Science and Technology Co., Ltd.
Address of the company	No.1, National Modern Agricultural Industrial Park, Chengdong Town, Meixian District, Meizhou City, G uangdong Province, China
Post code	-
Telephone number	0753-2651118
Fax number	-
E-mail address	-

| Emergency phone number

Emergency phone number	-

2 Hazards identification

|Hazard classification according to GHS

Hazard classification according to GHS	According to the 11th edition of the Globally Harmonized System of Classification and Labelling of Chemicals (GHS), this product is not a hazardous substance or mixture.

| GHS Label elements

Hazard pictograms	Not applicable.
Signal word	Not applicable.

| Hazard statements

Hazard statements	Not applicable.

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| Precautionary statements

◆ Prevention

Prevention	Not applicable.

◆ Response

Response	Not applicable.

◆ Storage

Storage	Not applicable.

◆ Disposal

Disposal	Not applicable.

| Hazard description

◆ Physical and chemical hazards

	Based on available data, no known hazards.

◆ Health hazards

	Based on available data, no known hazards.

◆ Environmental hazards

	Please refer to 12th chapter of SDS.

3 Composition/information on ingredients

|Substance/mixture

	Mixture

Component	CAS No.	EC No.	Concentration (wt, %)
Naringin	10236-47-2	233-566-4	97
Water	7732-18-5	231-791-2	3

4 First-aid measures

|Description of first aid measures

General advice	Under normal daily operation and use, no first aid measures are required.
Eye contact	Under normal circumstances, there is no such contact hazard. If you come into contact with the debris or dust produced by the product, immediately lift your eyelids and rinse with running water or physiological saline for more than 15 minutes. Seek medical attention if necessary.
Skin contact	Generally not applicable. This product poses no harm upon skin contact.
Ingestion	Rinse mouth. If you feel unwell, get medical attention.
Inhalation	Move to a place with fresh air and keep the airway clear. If you feel unwell, seek medical attention.
Protecting of first-aiders	No special protection is required.

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| Most important symptoms/effects, acute and delayed

1	Please see section 11.

| Indication of any immediate medical attention and special treatment needed

1	No special treatment is required. Symptomatic treatment is sufficient.

5 Fire-fighting measures

|Extinguishing media

Suitable extinguishing media	Use spray water, alcohol-resistant foam, dry powder, or carbon dioxide to extinguish the fire.
Unsuitable extinguishing media	There are no restrictions on the type of fire extinguishing agent used.

| Specific hazards arising from the substance or mixture

1	If dispersed in the air, it may pose a risk of dust explosion. Avoid ignition sources.

|Advice for firefighters

1	As in any fire, wear self-contained breathing apparatus （MSHA/NIOSH approved or equivalent) and full protective gear.
2	Fight fire from a safe distance, with adequate cover.
3	Avoid inhaling dust and smoke produced by combustion
4	Move the container from the fire scene to an open area as much as possible.

6 Accidental release measures

|Personal precautions, protective equipment and emergency procedures

1	Under normal circumstances, there are no special requirements. Avoid inhaling dust, keep away from open flames, and pay attention to personal hygiene and food safety.

| Environmental precautions

1	Under the condition of ensuring safety, take measures to prevent further leakage or overflow.
2	Prevent leakage from entering sewers, surface water, and groundwater.

|Methods and materials for containment and cleaning up

1	Cut off the source of leakage as much as possible.
2	Avoid contact with eyes and inhalation of dust.
3	Avoid generating dust during collection and disposal. Sweep and shovel off. Place in a suitable sealed container for further handling.
4	Adherent or collected materials shall be disposed of promptly in accordance with applicable laws and regulations.
5	Clear all ignition sources and use a flame arrestor.

7 Handling and storage

|Precautions for safe handling

1	Perform the operation in a well-ventilated area.
2	Avoid getting into eyes and inhalation.

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3	Handle in accordance with good industrial hygiene and safety practices.
4	Keep away from open flames, hot surfaces and ignition sources.
5	Wash hands after use; eating and drinking in the workplace are prohibited.

| Precautions for storage

1	Store in a dry, cool and well-ventilated place.
2	Avoid direct sunlight.
3	Keep away from heat sources, sparks, open flames and hot surfaces.
4	The storage area should be equipped with appropriate materials to contain the leaked substances.

8 Exposure controls/personal protection

|Control parameters

◆ **Occupational Exposure limit values**

Occupational Exposure limit values	There are no occupational exposure limits applicable to the product or component.

◆ Biological limit values

Biological limit values	No relevant regulations.

◆ Monitoring methods

1	EN 14042 Workplace atmospheres. Guide for the application and use of procedures for the assessment of exposure to chemical and biological agents.
2	GBZ/T 300.1~GBZ/T 300.160-2017; GBZ/T 300.161~GBZ/T 300.164-2018 Determination of toxic substances in workplace air (Series standard).

|Engineering controls

1	Ensure that there are eye wash and shower facilities near the workplace.
2	Handle in accordance with good industrial hygiene and safety practice.

|Personal protection equipment

General requirement	No special requirements, please see the description below.
Eye protection	During normal operation and use, special protection is generally not required.
Hand protection	Hand protection is usually not required.
Respiratory protection	Normally, respiratory protection is not required.
Skin and body protection	Normally, skin and body protection are not required.

9 Physical and chemical properties and safety characteristics

|Physical and chemical properties

Appearance	Light yellow powder
Odor	Odorless
Odor threshold	No information available
pH	4.5-6.0
Melting point/freezing point(°C)	No information available
Initial boiling point and boiling	No information available

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range(°C)	
Flash point(Closed cup,°C)	Not applicable
Evaporation rate	Not applicable
Flammability	Non flammable
Upper/lower explosive limits[%(v/v)]	Upper limit：No information available; Lower limit：No information available
Vapor pressure	No information available
Vapor density(Air = 1)	No information available
Relative density(Water=1)	1.45g/cm^3
Solubility	Slightly soluble in cold water; soluble in hot water
n-octanol/water partition coefficient	No information available
Auto-ignition temperature(°C)	No information available
Decomposition temperature(°C)	No information available
Viscosity	Not applicable

10 Stability and reactivity

| Stability and reactivity

Reactivity	Under normal usage conditions, there are no known dangerous reactions.
Chemical stability	Stable under proper operation and storage conditions.
Possibility of hazardous reactions	No further relevant information is available.
Conditions to avoid	There is no further relevant information available.
Incompatible materials	Strong acids, strong oxidants.
Hazardous decomposition products	Under normal conditions of storage and use, hazardous decomposition products should not be produced.

11 Toxicological information

|Acute toxicity

Component	LD_{50}(oral)	LD_{50}(dermal)	LC_{50}(inhalation,4h)
All components	No information available	No information available	No information available

|Carcinogenicity

Component	List of carcinogens by the IARC Monographs	Report on Carcinogens by NTP
Naringin	Not Listed	Not Listed
Water	Not Listed	Not Listed

| Others

Naringin	
Skin corrosion/irritation	Based on available data, the classification criteria are not met

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Serious eye damage/irritation	Based on available data, the classification criteria are not met
Skin sensitization	Based on available data, the classification criteria are not met
Respiratory sensitization	Based on available data, the classification criteria are not met
Reproductive toxicity	Based on available data, the classification criteria are not met
STOT-single exposure	Based on available data, the classification criteria are not met
STOT-repeated exposure	Based on available data, the classification criteria are not met
Aspiration hazard	Based on available data, the classification criteria are not met
Germ cell mutagenicity	Based on available data, the classification criteria are not met
Reproductive toxicity(additional)	Based on available data, the classification criteria are not met

12 Ecological information

|Acute aquatic toxicity

Acute aquatic toxicity	No information available.

|Chronic aquatic toxicity

Chronic aquatic toxicity	No information available.

|Persistence and degradability

Persistence and degradability	No information available.

|Bioaccumulative potential

Bioaccumulative potential	No information available.

|Mobility in soil

Mobility in soil	No information available.

|Results of PBT and vPvB assessment

Component	Results of PBT and vPvB assessment [according to (EC) No 1907/2006]
All components	Not PBT/vPvB

13 Disposal considerations

|Disposal considerations

Waste chemicals	Before disposal should refer to the relevant national and local laws and regulation.
Contaminated packaging	After emptying the packaging, it should be kept away from heat and fire sources, and if possible, returned to the supplier for recycling.
Disposal recommendations	Refer to section waste chemicals and contaminated packaging.

14 Transport information

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|Label and Mark

Transporting Label	Not applicable.

| IMDG-CODE (IMDG Code, 42-24 Edition)

IMDG-CODE	NOT REGULATED FOR TRANSPORT OF DANGEROUS GOODS.

| IATA-DGR (IATA DGR 67th Edition)

IATA-DGR	NOT REGULATED FOR TRANSPORT OF DANGEROUS GOODS.

| UN-ADR (UN ADR 2025 Edition)

UN-ADR	NOT REGULATED FOR TRANSPORT OF DANGEROUS GOODS.

15 Regulatory information

|International chemical inventory

Component	EINECS	TSCA	DSL	IECSC	NZIoC	PICCS	KECI	AIIC	ENCS
Naringin	√	√	√	√	√	√	×	√	√
Water	√	√	√	√	√	√	√	√	√

[EINECS] European Inventory of Existing Commercial Chemical Substances
[TSCA] United States Toxic Substances Control Act Inventory
[DSL] Canadian Domestic Substances List
[IECSC] China Inventory of Existing Chemical Substances
[NZIoC] New Zealand Inventory of Chemicals
[PICCS] Philippines Inventory of Chemicals and Chemical Substances
[KECI] Korea Existing Chemicals Inventory
[AIIC] Australia. Inventory of Industrial Chemicals (AIIC)
[ENCS] Japan Inventory of Existing & New Chemical Substances

Note:
"√" Indicates that the substance included in the regulations.
"×" No data or not inlcuded in the regulations.

16 Other information

|Information on revision

Creation Date	2026/08/12
Revision Date	2026/08/12
Reason for revision	-

| Reference

[1] IPCS: The International Chemical Safety Cards (ICSC),website: http://www.ilo.org/dyn/icsc/showcard.home.
[2] IARC, website: http://www.iarc.fr/.
[3] OECD: The Global Portal to Information on Chemical Substances, website: https://www.echemportal.org/echemportal/substancesearch/index.action.
[4] CAMEO Chemicals, website: http://cameochemicals.noaa.gov/search/simple.
[5] NLM: ChemIDplus, website: http://chem.sis.nlm.nih.gov/chemidplus/chemidlite.jsp.
[6] EPA: Integrated Risk Information System, website: http://cfpub.epa.gov/iris/.
[7] U.S. Department of Transportation: ERG, website: http://www.phmsa.dot.gov/hazmat/library/erg.

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[8] Germany GESTIS-database on hazard substance, website: http://gestis-en.itrust.de/.

| Abbreviations and acronyms

CAS	Chemical Abstracts Service	UN	The United Nations
PC-STEL	Short term exposure limit	OECD	Organization for Economic Co-operation and Development
PC-TWA	Time Weighted Average	IMDG	International Maritime Dangerous Goods
MAC	Maximum Allowable Concentration	IARC	International Agency for Research on Cancer
DNEL	Derived No Effect Level	ICAO	International Civil Aviation Organization
PNEC	Predicted No Effect Concentration	IATA	International Air Transportation Association
NOEC	No Observed Effect Concentration	ACGIH	American Conference of Governmental Industrial Hygienists
LC_{50}	Lethal Concentration 50%	NFPA	National Fire Protection Association
LD_{50}	Lethal Dose 50%	NTP	National Toxicology Program
EC_{50}	Effective Concentration 50%	PBT	Persistent, Bioaccumulative, Toxic
EC_X	Effective Concentration X%	vPvB	very Persistent, very Bioaccumulative
P_{OW}	Partition coefficient Octanol: Water	CMR	Carcinogens, mutagens or substances toxic to reproduction
BCF	Bioconcentration factor	RPE	Respiratory Protective Equipment
ED	Endocrine disruptor		

|Disclaimer

This Safety Data Sheet (SDS) was prepared according to UN GHS (the 11th revised edition). The data included was derived from international authoritative database and provided by the enterprise. Other information was based on the present state of our knowledge. We try to ensure the correctness of all information. However, due to the diversity of information sources and the limitations of our knowledge, this document is only for user's reference. Users should make their independent judgment of suitability of this information for their particular purposes. We do not assume responsibility for loss, damage or expense arising out of or in any way connected with the handling, storage, use or disposal of the product.

| Further information:

This information is based upon the present state of our knowledge. This SDS has been compiled and is solely intended for this product. The information of section 3 and section 9 is provided by the company listed in section 1. Other information is from authoritative database and expert assessment.

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