

Issue date 2023-08-21

SAFETY DATA SHEET

1. PRODUCT AND COMPANY IDENTIFICATION

Product Name Swertiamarin
 Product No. 19
 Supplier Name IWASHIMA YAKUHI Co., Ltd.
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 Recommended uses and restrictions on use For research use only, do not use for human or animals.

2. Hazards identification

GHS classification	Not applicable
Pictograms	None
Signal word	Not applicable
Hazard statements	Not applicable
Precautionary statements	
Prevention	Not applicable
Response	Not applicable
Storage	Not applicable
Disposal	Not applicable
Other hazards	Not available.

3. COMPOSITION/INFORMATION ON INGREDIENTS

Single Substance or Mixture	Substance
Chemical Name	Swertiamarin
Concentration or concentration range	99.0%
Formula (Molecular weight)	C16H22O10 (374.34)
CAS RN	17388-39-5
Notice Through Official	—
Gazettes Reference Number (ENCS)	
Notice Through Official	—
Gazettes Reference Number (ISHL)	
PRTR	—
Impurities and/or Additives	Not applicable

4. FIRST AID MEASURES

Inhalation	Remove person to fresh air and keep comfortable for breathing. Get medical advice/attention if you feel unwell.
Skin contact	Wash with plenty of water.If symptoms persist, call a physician.
Eye contact	Rinse cautiously with water for at least 15 minutes. Remove contact lenses, if present and easy to do. Continue rinsing. If symptoms persist, call a physician.
Ingestion	Rinse mouth.Get medical advice/attention if you feel unwell.
Most important symptoms/effects, acute and delayed	Not available.
Protection of first-aiders	Not available.
Special notes for physicians	Not available.

5. FIRE FIGHTING MEASURES

Suitable extinguishing media	Water spray (fog), Foam, Extinguishing powder, Carbon dioxide (CO2)	
Unsuitable extinguishing media	No information	
Specific hazards arising from the chemical product	In the event of a fire, highly toxic decomposed products may be generated.	
Special extinguishing method	No information	
Special protective actions for fire-fighters	Wear self-contained breathing apparatus , protective gloves and eye protection.	
6 . ACCIDENTAL RELEASE MEASURES		
Personal precautions, protective equipment and emergency procedures	Keep unnecessary personnel away. Ensure adequate ventilation.Wear protect clothes while the work.	
Environmental precautions	Avoid release to the environment.	
Methods and materials for contaminant and cleaning up	Collect spillage appropriately to prevent it from scattering. For waste disposal, see section 13 of the SDS.	
Secondary disaster prevention measures	Clean contaminated objects and areas thoroughly to remove residual contamination.	
7 . HANDLING AND STORAGE		
Handling	Technical measures	See section 8 of the SDS, perform engineering controls and wear protective equipment.
	Safety handling precautions	Do not rough handling containers. Avoid contact and inhalation of dust.
		Wear protective equipment.
		Seal the container after use.
Storage	Contact avoidance	After handling, wash hands.
	Hygiene measures	See section 10 of the SDS.
		After handling, wash hands.
		Do not take food, drink and smoking while handling.
Storage	Safe storage conditions	Store in a cool, dark place.Protect from sunlight.
	Safe storage conditions	Glass.Keep container tightly closed.
8 . EXPOSURE CONTROLS/PERSONAL PROTECTION		
Administrative Control Levels	No set up.	
Occupational Exposure Limits	Japan Society for Occupational ACGIH	No set up.
		No set up.
Engineering controls	Provide the safety shower facility, and hand and eye-wash facility.	
Personal protective equipment	Use a local exhaust system	
	Respiratory protection	Dust mask
	Hand protection	Protection gloves
	Eye/face protection	Chemical safety goggles
Special note	Skin and body protection	Lab Coat, long sleeve work clothes
	Protective equipment should be inspected periodically according to the protective inspection chart.	
9 . PHYSICAL AND CHEMICAL PROPERTIES		
Physical state	State	Solid
	Colour	White to light yellow
	Odor	Odorless
Melting point/freezing point	About 122℃	
Boiling point, initial boiling point and boiling range	No data available	
Flammability	No data available	
Upper/lower flammability or explosive limits	No data available	
Flash point	No data available	
Auto-ignition temperature	No data available	
Decomposition temperature	No data available	
pH	No data available	

Kinematic viscosity	No data available
Solubilities	Freely soluble in water and
n-Octanol/water partition coefficient:(log Pow)	No data available
Vapour pressure	No data available
Specific Gravity / Relative density	No data available
Vapour density	No data available
Particle characteristics	No data available
Other data	No data available
1 0 . STABILITY AND REACTIVITY	
Reactivity	No data available
Chemical stability	Decompose by heat and light.
Hazardous reactions	No data available
Conditions to avoid	High temperature and direct sunlight.
Incompatible materials	No data available
Hazardous decomposition products	No data available
1 1 . TOXICOLOGICAL INFORMATION	
Acute toxicity - Oral	10 g/kg (Mouse)
Acute toxicity (Dermal)	No data available
Acute toxicity (Inhalation : gas)	No data available
Acute toxicity (Inhalation : vapours)	No data available
Acute toxicity - Inhalation (Dusts/Mists)	No data available
Skin irritation/corrosion	No data available
Serious eye damage/ irritation	No data available
Respiratory sensitization	No data available
Skin sensitization	No data available
Reproductive cell mutagenicity	No data available
Carcinogenicity	No data available
Reproductive toxicity	No data available
Reproductive toxicity, effects on or via lactation	No data available
STOT-single exposure	No data available
STOT-repeated exposure	No data available
Aspiration hazard	No data available
1 2 . ECOLOGICAL INFORMATION	
Ecotoxicity	Hazardous to the aquatic environment, acute hazard No data available
	Hazardous to the aquatic environment, long-term hazard No data available
Persistence and degradability	No data available
Bioaccumulative potential	No data available
Mobility in soil	No data available
Hazard to the ozone layer	No data available
1 3 . DISPOSAL CONSIDERATIONS	
Waste from residues	Dispose of contents/container in accordance with local/regional/national/international regulations.
Contaminated container and contaminated packaging	Dispose of contents/container in accordance with local/regional/national/international regulations.
1 4 . TRANSPORT INFORMATION	
International restriction	Not regulated
	UN Number
	Proper shipping name
	UN classification (Transport hazard class)

Domestic restriction	Subsidiary hazard class	
	Packing group	
	Marine pollutant	Not applicable
	Marine	Not applicable
	Aviation	Not applicable
	Rail and road	Not applicable
1 5 . REGULATORY INFORMATION		
Industrial Safety and Health Act		Not applicable
Pollutant Release and Transfer Register Law		Not applicable
Poisonous and Deleterious Substances Control Law		Not applicable
Labor Standards Act		Not applicable
Act on the Regulation of Manufacture and Evaluation of Chemical Substances		Not applicable
Fire Service Act		Not applicable
Air Pollution Control Act		Not applicable
Water Pollution Prevention Act		Not applicable
Water Supply Service Act		Not applicable
Sewerage Act		Not applicable
Act on Prevention of Marine Pollution and Maritime Disaster		Not applicable
Act on Waste Management and Public Cleaning		Not applicable
1 6 . OTHER INFORMATION		
Key literature references and sources for data etc.	NITE: National Institute of Technology and Evaluation (JAPAN): Nite Chemical Risk Information Platform Ministry of Health, Labour and Welfare : GHS model SDS information Japanese Pharmacopoeia Inagaki I(1972)[Phytochemistry] Shokubutukagaku (in Japanese) 4th edition.Ishiyaku Publishers,Inc. National Institutes of Health : PubChem ECHA : Opinion of the Committee for Risk Assessment (RAC) in EU	
This SDS is according to JIS Z 7253: 2019.		
This information in this Safety Data Sheet is designed only as a guidance for handling, and is not to be considered a warranty or quality specification of this product.The information provided is correct to the best of our knowledge, information and belief at the data of its publication and so on. However, any warranty shall not be given regarding the data contained and the assessment of hazards and toxicity.		