Issue date 2024-05-27

SAFETY DATA SHEET

1. PRODUCT AND COMPANY IDENTIFICATION

Product Name	Glycyrrhizic Acid
Product No.	14
Supplier Name	IWASHIMA YAKUHIN Co., Ltd.
Address	4-201, Sakurazaka, Moriyama-ku, Nagoya City, Aichi Prefecture 463-0018, Japan
Tel	+81-52-715-5601
Fax	+81-52-715-5602
Email address	info@iwashimayakuhin.co.jp
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	Glycyrrhizic Acid
Concentration or concentration range	99.0%
Formula (Molecular weight)	C42H62O16（822.93）
CAS RN	1405-86-3
Notice Through Official Gazettes Reference Number	(9)-398
Notice Through Official Gazettes Reference Number	−
PRTR	−
Impurities and/or Additives	非該当

4. FIRST AID MEASURES

Inhalation	Remove person to fresh air and keep comfortable for breathing.
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
Ingestion	Rinse mouth.Get medical advice/attention if you feel unwell.
Most important symptons/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
Unsuitable extinguishing media	Not available.
Specific hazards arising from the chemical product	In the event of a fire, highly toxic decomposed products may be generated.
Special extinguishing method	Not available.
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 contaminent 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

7. HANDLING AND STORAGE

Handling	Technical measures	See section 8 of the SDS, perform engineering controls and wear
	Safety handling precautions	Do not rough handling containers. Avoid contact and inhalation of dust. Wear protective equipment. Seal the container after use. After handling, wash hands.
	Contact avoidance	See section 10 of the SDS.
	Hygiene measures	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 Health	No set up.
	ACGIH	No set up.
Engineering controls		Provide the safety shower facility, and hand and eye-wash facility. Use a local exhaust system
Personal protective equipment	Respiratory protection	Dust mask
	Hand protection	Protection gloves
	Eye/face protection	Chemical safety goggles
	Skin and body protection	Lab Coat, long sleeve work clothes
Special note		Protective equipment should be inspected periodically according to the protective inspection chart.

9. PHYSICAL AND CHEMICAL PROPERTIES

Physical state		
	State	Solid
	Colour	White
	Odor	Odorless
Melting point/freezing point		About 215℃
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 ethanol (99.5), and practically insoluble in water.
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

10. 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

11. TOXICOLOGICAL INFORMATION

Acute toxicity - Oral	No data available
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

12. 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

13. 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.

14. TRANSPORT INFORMATION

International restriction		Not regulated
	UN Number	
	Proper shipping name	
	UN classfication（Transport hazard class）	
	Subsidiary hazard class	
	Packing group	
	Marine pollutant	Not applicable
Domestic restriction		
	Marine	Not applicable
	Aviation	Not applicable
	Rail and road	Not applicable

15. 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

16. 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

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 waranty 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.