

Safety Data Sheet

Date of revision : March 3, 2025

1. Product and company identification	
Product name	D-Glutamic Acid
Recommended use	For test research
Name of manufacturer	Yoneyama Yakuhin Kogyo Co., Ltd.
Address	2-3-11 Doshomachi , Chuo-ku, Osaka, 541-0045, Japan
Contact for Information	Sales Division
Telephone number	06-6231-3555
Fax number	06-6223-1093
SDS No.	29441
2. Hazards identification	
GHS Classification	Does not meet the classification criteria.
Label Elements	
Symbol	—
Signal word	—
Hazard statements	—
3. Composition/information on ingredients	
Substance/Mixture	Substance
Chemical name or commercial name	D-Glutamic Acid
Chemical formula	C ₅ H ₉ NO ₄
Numerical identifier	CAS RN: 6893-26-1
Ingredients and composition	100%
4. First and measures	
Inhalation	Rinse nostrils with plenty of water and gargle. Seek medical attention if necessary.
Skin contact	Remove contaminated clothing and shoes, rinse affected areas with water, then wash thoroughly with soap.
Eye contact	Immediately rinse with clean water for at least 15 minutes and seek medical attention.
Ingestion	Seek medical attention immediately. This substance is also designated as a food additive and is considered to have low toxicity.
5. Fire fighting measures	
Suitable extinguishing media	Powder, foam, carbon dioxide, water.
Unsuitable extinguishing media	No data.
Specific hazards arising from chemical	No data.
Particular fire fighting	No data.
Special protective actions for fire-fighters	Conduct firefighting operations from upwind to avoid inhalation of harmful gases. Wear respiratory protective equipment as necessary.
6. Accidental release measure	
Personal precautions, protective equipment and emergency procedures	Wear appropriate protective equipment when working, operate from upwind, and evacuate people downwind.
Environmental precautions	Wear appropriate protective equipment. Ensure that spilled material or wash water is not discharged into rivers or other bodies of water to prevent environmental impact.
Methods and materials for containment and cleaning up	Collect the material using a method that prevents dust dispersion, then wash thoroughly with water.
7. Handling and storage	
Handling	
Technical measures	Avoid high-temperature and high-humidity environments. Handle with care. Install local exhaust ventilation.
Precautions for safe handling	Do not tip, drop, impact, or drag containers; handle with care. Wear appropriate protective equipment to prevent contact with eyes, skin, and clothing.
Incompatible materials	No data.
Hygiene measures	Wash hands thoroughly after handling.
Storage	
Conditions for safe storage	Store in a well-ventilated, cool place away from direct sunlight. Avoid contact with strong oxidizers.
Safe packaging materials	Polypropylene, Polyethylene.

8. Exposure controls/personal protection	
Exposure limits	
ACGIH	—
Equipment measures	Provision of very good ventilation in the working area. Washing facility at the workplace required.
Protective equipment	Air – supplied or self – contained NIOSH approved breathing apparatus.
Respiratory protection	Impervious protective gloves.
Hand protection	Safety goggles.
Eye protection	Protective clothing, protective boots.
Skin protection	Rinse and then wash skin with water and soap.
9. Physical and chemical properties	
Physical state	Crystals or crystalline powder.
Color	White.
Odor	Odorless.
Melting point/Freezing point	No data.
Boiling point	No data.
Combustibility	No data.
Upper/lower explosive limits	No data.
Flash point	No data.
Auto-ignition temperature	No data.
Decomposition temperature	224-225°C
pH	No data.
Viscosity	No data.
Solubility	8.88 mg/mL (25°C)
n-Octanol/water partition coefficient	No data.
Vapor pressure	No data.
Specific gravity	No data.
Vapor density	No data.
Particle characteristics	No data.
10. Stability and reactivity	
Stability	Stable under normal handling conditions.
Possibility of hazardous reaction	No data.
Conditions to avoid	Avoid exposure to sunlight, high temperatures, high humidity, and excessive stacking.
Incompatible materials	Strong oxidizers.
Hazardous decomposition products	No data.
11. Toxicological information	
Acute toxicity	No data.
Skin corrosion/irritation	No data.
Eye damage/irritation	No data.
Respiratory sensitization	No data.
Skin sensitization	No data.
Germ cell mutagenicity	No data.
Carcinogenicity	No data.
Reproductive toxicity	No data.
Specific target organ toxicity (Single exposure)	No data.
Specific target organ toxicity (Repeated exposure)	No data.
Aspiration hazard	No data.
12. Ecological information	
Hazardous to the aquatic environment	Short-term: No data. Long-term: No data.
Persistence and degradability	No data.
Bioaccumulative potential	No data.
Mobility in soil	No data.
Hazardous to the ozone layer	Not enumerated in Montreal Protocol on Substances that Deplete the Ozone Layer.
13. Disposal considerations	
Residual disposal	If there is no way of recycling it must be disposed of in compliance with the respective national and local regulation. It consigns it to the industrial waste disposal trader who has permission.
14. Transport information	
UN Number	—
UN proper shipping name	—
Transport hazard class	—
Packing group	—
Additional identification	Before transportation, ensure that containers are free from leaks. Load them securely to prevent tipping, dropping, or damage. Take necessary precautions to prevent cargo shifting.

15. Regulatory information

Please apply to the regulatory control in each country.

16. Other information
References

National Institute of Technology and Evaluation (NITE)

Attentions

The Safety Data Sheet (SDS) is prepared based on JIS Z7253. All information contained herein is given in good faith and no warranty expressed or implied is made to its accuracy.

The recommended industrial hygiene and safe handling procedures are believed to be generally applicable. However, each user should review these recommendations and determine whether they are appropriate.