

Safety Data Sheet

Date of revision: 2021/02/26

1. Product and company identification

Product name	Glycylglycine
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.	29891

2. Hazards identification

GHS Classification	
Physical hazards	Does not meet the classification criteria.
GHS Label Elements	
Symbol	—
Signal word	—
Hazard statement	—

3. Composition/information on ingredients

Substance/Mixture	Substance
Chemical name or commercial name	Glycylglycine
Synonyms	Diglycine
Chemical formula	C4H8N2O3
Numerical identifier	CAS RN: 556-50-3
Ingredients and composition	100%

4. First aid measures

INHALATION	Move the exposed person to fresh air at once. Keep the affected person warm and at rest. Call a POISON CENTER/doctor if you feel unwell.
SKIN CONTACT	Rinse immediately contaminated clothing and skin with plenty of water before removing clothing. If skin irritation occurs: Get medical advice/attention.
EYE CONTACT	Remove contact lenses, if present and easy to do. Continue rinsing. Get medical advice/attention.
INGESTION	Rinse mouth.

5. Fire fighting measures

Suitable extinguishing media	spray water, alcohol-resistant foam, powder, carbon dioxide
Unsuitable extinguishing media	No data
Specific hazards arising from chemical	No data
Particular fire fighting	No data
Special protective actions for fire-fighters	Firefighting should be done upwind and avoid inhalation of toxic fumes. depending on the risk, wear respiratory protection.

6. Accidental release measure

Personal precaution, protective equipment and emergency procedures	In case of a large amount, evacuate people to a safe place. Wear protective clothing, respirator, chemical safety goggles, rubber boots and heavy rubber gloves.
Environmental precautions	Be careful not to discharge it into rivers, etc. and cause environmental impact.
Removal measure	Store the vessels in a well-ventilated location. Entrust them to the appropriate authorities for disposal. No data

7. Handling and storage

Handling	
Technical measures	Absorb any spilt liquid with an absorbent (e.g. diatomite, vermiculite, sand) and dispose of according to regulations.
Precautions for safe handling	Do not handle the container by tumbling it, dropping it, giving it an impact, or dragging it.
Contact avoidance method	Provision of very good ventilation in the working area. Washing facility at the workplace required.
Hygiene measures	Rinse and then wash skin with water and soap.
Storage	
Conditions for safe storage	Keep away from direct sunlight, high temperature and high humidity and store tightly closed.
Packaging compatibilities	polyethylene, polypropylene

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

Respiratory protection

Air – supplied or self – contained NIOSH approved breathing apparatus.

Hand protection

Impervious protective gloves.

Eye protection

Safety goggles.

Skin protection

Protective clothing, protective boots.

9. Physical and chemical properties

Physical state

crystal powder

Appearance

White

Odor

odorless

Melting point/Freezing point

262~264°C (decomposition)

Boiling point

No data

Combustible

Combustible

Upper/lower explosive limits

No data

Flash point

No data

Auto-ignition temperature

No data

Decomposition temperature

262~264°C

pH

5.0~7.0 (10% Solution)

Viscosity

No data

Solubility

20% (25°C, water)

Partition coefficient: n-octanol/water

log P = -2.92

Vapor pressure

4.54 × 10⁻⁸

Specific gravity

No data

Vapor density

No data

Relative evaporation rate

No data

10. Stability and reactivity

Reactivity

Stable under normal handling.

Chemical stability

No data

Possibility of hazardous reaction

No data

Condition to avoid

sunlight, heat, high temperature, high humidity

Contact avoidance method

Strong oxidants

Hazardous decomposition products

nitrogen oxides

11. Toxicological information

Acute toxicity

No data

Skin corrosion/irritation

No data

Eye damage/irritation

No data

Respiratory sensitization and Skin sensitization

No data

Germ cell mutagenicity

No data

Carcinogenicity

Not listed (NTP, IARC, OSHA) (Classification not possible)

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

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	Ensure vehicle driver is aware of the potential hazards of the load and knows what to do in the event of an accident or an emergency. Before transporting product containers ensure that they are firmly secured. Ensure that the container valve is closed and not leaking. Prevent the product containers from falling over or falling.
15.Regulatory information	Please apply to the regulatory control in each country.
16.Other information	
References	Global Harmonized System of Classification and Labelling of Chemicals(GHS) Sixth revised edition National Institute of Technology and Evaluation(NITE)
Attention	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.