Safety Data Sheet

Date of revision: 2021/02/26

1.Product and company identification

Product name	N-Acetyl-L-Tryptophan
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.	29000

2.Hazards identification

GHS Classification	Does not meet the classification criteria.
GHSLabel Elements	
Symbol	—
Signal ward	—
Hazard statement	—

3.Composition/information on ingredients

Substance/Mixture	Substance
Chemical name or commercial name	N-Acetyl-L-Tryptophan
Chemical formula	$C_{13}H_{14}N_2O_3$
Numerical identifier	CAS RN:1218-34-4
Ingredients and composition	100%

4.First and measures

INHALATION	If a person breathes this chemical, move the exposed person to fresh air at once. Get medical advice/attention if you feel unwell.
SKIN CONTACT	Rinse immediately contaminated clothing and skin with plenty of water before removing clothing.
EYE CONTACT	Remove contact lenses, if present and easy to do. Continue rinsing. Get medical advice/attention.
INGESTION	Rinse mouth. Get medical advice/attention if you feel unwell.

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	Fire fighting should be done from the windward. Wear appropriate protective equipment and work from upwind to evacuate people downwind. 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	Prevents leakage, overflow, and scattering, and does not generate dust unnecessarily.

Precautions for safe handling	Do not handle the container by tumbling it, dropping it, giving it an impact, or dragging it.
Contact avoidance method	When handling excessive amounts of the substance an emergency shower is 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	glass, 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
Color	white
Odor	No data
Melting point/Freezing point	189℃
Boiling point	No data
Combustible	No data
Upper/lower explosive limits	No data
Flash point	No data
Auto-ignition temperature	No data
Decomposition temperature	No data
pH	No data
Viscosity	No data
Solubility	Soluble uneasily in water.
Partition coefficient: n-octanol/water	No data
Vapor pressure	No data
Specific gravity	No data
Vapor density	No data
Relative evaporation rate	No data

10.Stability and reactively
Reactivity	No data
Chemical stability	Stable under normal handling.
Possibility of hazardous reaction	No data
Condition to avoid	sunlight, high temperature, high humidity
Contact avoidance method	strong oxidizing substances
Hazardous decomposition products	nitrogen oxides

11.Toxicological information
Acute toxicity	oral:	LD50 (mouse) = 10,800mg/kgLD50 (rat) = 15,000mg/kg
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)
NIH U.S.National Library of Medicine

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.