

Issue date 2023-04-21

## SAFETY DATA SHEET

## 1. PRODUCT AND COMPANY IDENTIFICATION

Product Name Sennoside A  
 Product No. 21  
 Supplier Name IWASHIMA YAKUHHIN 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 restricti For research use only, do not use for human or animals.

## 2. Hazards identification

## GHS classification

## Health hazards

Acute toxicity - Oral

Category 4

Skin sensitization

Category 1

Respiratory sensitization

Category 1

Pictograms



Signal word

Danger

Hazard statements

Harmful if swallowed

May cause an allergic skin reaction

May cause allergy or asthma symptoms or breathing difficulties if inhaled

Precautionary statements

Prevention

Do not breathe dust.

Wash hands thoroughly after handling.

Do not eat, drink or smoke when using this product.

Contaminated work clothing should not be allowed out of the workplace.

Do not get in eyes, on skin, or on clothing. Wear protective gloves/protective clothing.

In case of inadequate ventilation, wear respiratory protection.

Response

IF SWALLOWED: Contact a doctor if you feel unwell.

Rinse mouth.

IF ON SKIN: Wash with plenty of water. If symptoms persist, call a physician.

IF INHALED: Remove person to fresh air and keep comfortable for breathing.

If experiencing respiratory symptoms: Get emergency medical help immediately.

Take off contaminated clothing and wash it before reuse.

Storage

Not applicable

Disposal

Dispose of contents/container in accordance with local/regional/national/international regulations.

Other hazards

Not available.

## 3. COMPOSITION/INFORMATION ON INGREDIENTS

Single Substance or Mixture

Substance

Chemical Name

Sennoside A

Concentration or concentration range

99.0%

Formula (Molecular weight)

C42H38O20 (862.74)

CAS RN

81-27-6

|                                                                     |                                                                                                                                                                 |                                                                                                                                                                       |
|---------------------------------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Notice Through Official<br>Gazettes Reference Number<br>(ENCS)      | —                                                                                                                                                               |                                                                                                                                                                       |
| Notice Through Official<br>Gazettes Reference Number<br>(ISHL)      | —                                                                                                                                                               |                                                                                                                                                                       |
| PRTR                                                                | —                                                                                                                                                               |                                                                                                                                                                       |
| Impurities and/or Additives                                         | Not applicable                                                                                                                                                  |                                                                                                                                                                       |
| 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 symptoms persist, call a physician. |                                                                                                                                                                       |
| 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 dioxide (CO2)                                                                                             |                                                                                                                                                                       |
| 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.<br>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.<br>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.<br>Wear protective equipment.<br>Seal the container after use.<br>After handling, wash hands. |
|                                                                     | Contact avoidance                                                                                                                                               | See section 10 of the SDS.                                                                                                                                            |
|                                                                     | Hygiene measures                                                                                                                                                | After handling, wash hands.<br>Do not take food, drink and smoking while handling.                                                                                    |
| Storage                                                             | Safe storage conditions                                                                                                                                         | Store in a cool, dark place.Protect from sunlight.<br>Store locked up.                                                                                                |
|                                                                     | 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<br>ACGIH                                                      | No set up.<br>No set up.                                                                            |
| Engineering controls          |                                                                                              | Provide the safety shower facility, and hand and eye-wash facility.<br>Use a local exhaust system   |
| Personal protective equipment | Respiratory protection<br>Hand protection<br>Eye/face protection<br>Skin and body protection | Dust mask<br>Protection gloves<br>Chemical safety goggles<br>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<br>Colour<br>Odor | Solid<br>Yellow<br>No data available                                                                          |
| Melting point/freezing point                           |                         | 200~240°C (with decomposition)                                                                                |
| 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                                           |                         | Insoluble in water, in chloroform and in diethyl ether, and practically insoluble in methanol and in acetone. |
| 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                                                                                                                                                                                                                                                                                                                                         |
| <b>1 2 . ECOLOGICAL INFORMATION</b>                                                                                                                                                                                                                                                                                                                                                                                          |                                                                                                                                                                                                                                                                                                                                                           |
| Ecotoxicity                                                                                                                                                                                                                                                                                                                                                                                                                  | Hazardous to the aquatic environment, acute hazard<br>Hazardous to the aquatic environment, long-term                                                                                                                                                                                                                                                     |
|                                                                                                                                                                                                                                                                                                                                                                                                                              | No data available<br>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                                                                                                                                                                                                                                                                                                                                         |
| <b>1 3 . DISPOSAL CONSIDERATIONS</b>                                                                                                                                                                                                                                                                                                                                                                                         |                                                                                                                                                                                                                                                                                                                                                           |
| Waste from residues                                                                                                                                                                                                                                                                                                                                                                                                          | Dispose of contents/container in accordance with local/regional/national/international regulations.                                                                                                                                                                                                                                                       |
| Contaminated container and contents                                                                                                                                                                                                                                                                                                                                                                                          | Dispose of contents/container in accordance with local/regional/national/international regulations.                                                                                                                                                                                                                                                       |
| <b>1 4 . TRANSPORT INFORMATION</b>                                                                                                                                                                                                                                                                                                                                                                                           |                                                                                                                                                                                                                                                                                                                                                           |
| International restriction                                                                                                                                                                                                                                                                                                                                                                                                    | Not regulated                                                                                                                                                                                                                                                                                                                                             |
|                                                                                                                                                                                                                                                                                                                                                                                                                              | UN Number<br>Proper shipping name<br>UN classification (Transport hazard class)<br>Subsidiary hazard class<br>Packing group<br>Marine pollutant                                                                                                                                                                                                           |
| Domestic restriction                                                                                                                                                                                                                                                                                                                                                                                                         | Not applicable<br>Not applicable<br>Not applicable<br>Not applicable                                                                                                                                                                                                                                                                                      |
| <b>1 5 . REGULATORY INFORMATION</b>                                                                                                                                                                                                                                                                                                                                                                                          |                                                                                                                                                                                                                                                                                                                                                           |
| 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                                                                                                                                                                                                                                                                                                                                            |
| <b>1 6 . OTHER INFORMATION</b>                                                                                                                                                                                                                                                                                                                                                                                               |                                                                                                                                                                                                                                                                                                                                                           |
| Key literature references and sources for data etc.                                                                                                                                                                                                                                                                                                                                                                          | NITE: National Institute of Technology and Evaluation (JAPAN): Nite Chemical Risk Information Platform<br>Ministry of Health, Labour and Welfare : GHS model SDS information<br>Japanese Pharmacopoeia<br>Inagaki I(1972)[ Phytochemistry ] Shokubutukagaku (in Japanese) 4th edition.Ishiyaku Publishers,Inc.<br>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 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. |                                                                                                                                                                                                                                                                                                                                                           |