Safety Data Sheet

1. IDENTIFICATION OF THE SUBSTANCE/MIXTURE AND OF THE COMPANY/UNDERTAKING

1.1 Product Identifier

Product Name: Shiso Extract Powder CS

1.2 Relevant Identified Uses of the Substance or Mixture and Uses Advised Against

Identified Uses: Manufacture of cosmetic products

1.3 Details of the Supplier of the Safety Data Sheet

Company: Amino Up Co., Ltd.
363-32 Shin-ei, Kiyota,
Sapporo, 004-0839
JAPAN
Division in Charge: Quality Assurance Group
Telephone: +81-11-889-2299
Fax: +81-11-889-2375
E-mail address of competent person for the SDS
qa@aminoup.jp

1.4 Emergency Telephone Number

Emergency Phone: +81-11-889-2299

2. HAZARDS IDENTIFICATION

2.1 Classification of the Substance or Mixture

Classification According to GHS

Cannot be classified

2.2 Labeling Elements

Not available

2.3 Other Hazards

None

3. COMPOSITION/INFORMATION ON INGREDIENTS

3.1 Substances

Name	CAS No	Weight % content (or range)
Maltodextrin	9050-36-6	99.4
Perilla extract	90082-61-4	0.6

3.2 Mixture

Description of the Mixture

Shiso Extract Powder CS is extracted from the leaves of *Perilla frutescens f. viridis* and/or *Perilla frutescens f. crispa* by water. Certain amount of the excipient is added to form a mixture.

4. FIRST AID MEASURES

4.1 Description of First Aid Measures

General advice

Consult a physician. Show this safety data sheet to the doctor in attendance.

If Inhaled

If breathed in, move person into fresh air. If not breathing, give artificial respiration. Consult a physician.

In Case of Skin Contact

Wash off with soap and water. If irritation occurs, consult a physician.

In Case of Eye Contact

Rinse thoroughly with plenty of water for several minutes. If it is possible to take out contact lenses, rinse the naked eye. If irritation occurs, consult a physician.

If Swallowed

It is highly safe product. If swallow large amount, consult a physician.

4.2 Most Important Symptoms and Effects, Both Acute and Delayed

To the best of our knowledge, the chemical, physical, and toxicological properties have not been thoroughly investigated.

4.3 Indication of Any Immediate Medical Attention and Special Treatment Needed

Not available

5. FIREFIGHTING MEASURES

5.1 Extinguishing Media

Suitable Extinguishing Media

Use water spray, carbon dioxide, dry chemical or alcohol-resistant foam.

5.2 Special Hazards Arising from the Substance or Mixture

Carbon dioxides, carbon monoxide

5.3 Advice for Firefighters

Wear self-contained breathing apparatus for firefighting if necessary.

6. ACCIDENTAL RELEASE MEASURES

6.1 Personal Precautions, Protective Equipment and Emergency Procedures

None

6.2 Environmental Precautions

Do not drain large amount of the product.

6.3 Methods and Materials for Containment and Cleaning Up

Wet clean or vacuum up solids.

7. HANDLING AND STORAGE

7.1 Precautions for Safe Handling

Wear protective equipment if necessary. Provide appropriate exhaust ventilation at places where dust is formed.

7.2 Conditions for Safe Storage, including Any Incompatibilities

Keep out of direct sunlight and store at room temperature. Keep in a tight container.

7.3 Specific End Uses

Not Available

8. EXPOSURE CONTROLS/PERSONAL PROTECTION

8.1 Control Parameters

Not available

8.2 Exposure Controls

Appropriate Engineering Controls

Avoid formation of dust and aerosols. Ventilate a work place if necessary.

Personal Protective Equipment

Eye/Face Protection

Wear goggle if necessary.

Skin Protection

Work with complete suit. Wear gloves if necessary.

Respiratory protection

Wear mask if necessary.

9. PHYSICAL AND CHEMICAL PROPERTIES

9.1 Information on Basic Physical and Chemical Properties

a) Appearance	Form: Powder, Color: Milky-white
b) Odor	Characteristic
c) Odor threshold	Not available
d) pH	4.5-6.5 (10 vol% solution)
e) Melting point/freezing point	Not available
f) Initial boiling point and boiling range	Not available
g) Flash point	Not available
h) Evaporation rate	Not available
i) Flammability (solid, gas)	Not available
j) Upper/lower flammability or explosive limits	Not available
k) Vapor pressure	Not available
l) Vapor density	Not available
m) Relative density	Not available
n) Water solubility	Soluble
o) Partition coefficient: n-octanol/water	Not available
p) Auto-ignition temperature	Not available
q) Decomposition temperature	Not available
r) Viscosity	Not available
s) Explosive properties	Not available
t) Oxidizing properties	Not available

10. STABILITY AND REACTIVITY

10.1 Reactivity

Not available

10.2 Chemical Stability

Stable under normal temperature and pressure

10.3 Possibility of Hazardous Reactions

May occur dust explosion

10.4 Conditions to Avoid

Heat, moisture and sunlight

10.5 Incompatible Materials

Not available

10.6 Hazardous Decomposition Products

Not available

11. TOXICOLOGICAL INFORMATION

11.1 Information on Toxicological Effects

Acute Toxicity

100% solid component of perilla extract: LD_{50}: more than 2 g/kg in rat

Maltodextrin: Not available

Subacute Toxicity

100% solid component of perilla extract: NOAEL: 2 g/kg/day in mouse

Maltodextrin: Not available

Skin Corrosion/Irritation

Perilla extract: No skin irritation in human and rabbit

Maltodextrin: Not available

Serious Eye Damage/Irritation

Perilla extract: No eye irritation in rabbit

Maltodextrin: Not available

Respiratory or Skin Sensitization

Perilla extract: Not available

Maltodextrin: Not available

Germ Cell Mutagenicity

Perilla extract: Not available

Maltodextrin: Not available

Carcinogenicity

Perilla extract: Not available

Maltodextrin: Not available

Reproductive Toxicity

Perilla extract: Not available

Maltodextrin: Not available

STOT - Single Exposure

Perilla extract: Not available

Maltodextrin: Not available

STOT - Repeated Exposure

Perilla extract: Not available

Maltodextrin: Not available

Aspiration Hazard

Perilla extract: Not available

Maltodextrin: Not available

12. ECOLOGICAL INFORMATION

12.1 Toxicity

Not available

12.2 Persistence and Degradability

Detailed data is not available currently. The mixture of natural products is considered to be degradable.

12.3 Bioaccumulative Potential

Not available

12.4 Mobility in Soil

Not available

12.5 Results of PBT and vPvB Assessment

Not available

12.6 Other Adverse Effects

Not available

13. DISPOSAL CONSIDERATIONS

13.1 Waste Treatment Methods

Product/Packaging Disposal

Dispose the product as general waste. Wash and recycle a container if possible.

14. TRANSPORT INFORMATION

14.1 UN Number

Not applicable

14.2 UN Proper Shipping Name

Not applicable

14.3 Transport Hazard Class(es)

Not applicable

14.4 Packing Group

Not applicable

14.5 Environmental Hazards

Not applicable

14.6 Special Precautions for User

Not applicable

15. REGULATORY INFORMATION

15.1 Safety, Health and Environmental Regulations Specific for the Substance or Mixture

Compliant to Food Sanitation Act (Japan),

Act for Standardization and Proper Labeling of Agricultural and Forestry Products (Japan)

15.2 Chemical Safety Assessment

Not available

16. OTHER INFORMATION

Abbreviations and Acronyms

PBT – Persistent, Bioaccumulative and Toxic substance

STOT – Specific Target Organ Toxicity
vPvB – Very Persistent and Very Bioaccumulative

Further Information

The information above is believed to be accurate and represents the best information currently available to us. However, we make no warranty of merchantability or any other warranty, express or implied, with respect to such information, and we assume no liability resulting from its use. Users should make their own investigations to determine the suitability of the information for their particular purposes. In no event shall the company be liable for any claims, losses, or damages of any third party or for lost profits or any special, indirect, incidental, consequential, or exemplary damages howsoever arising, even if the company has been advised of the possibility of such damages.