SECTION 1: IDENTIFICATION OF THE SUBSTANCE/MIXTURE AND OF THE COMPANY/UNDERTAKING

1.1 Product Identifier

Product Name: ASHWAGANDHA AQUEOUS STRONG INFUSION
Product Code: AS/04
Index Number: N/A

1.2 Relevant identified uses of the substance or mixture and uses advised against

Identified uses: Use as a food ingredient in manufacturing.
Uses advised against: None

1.3 Details of the supplier of the safety data sheet

Company: Ransom Naturals Limited
Address: 53 Bury Mead Road, Hitchin, Herts, SG5 1RT, United Kingdom.

Email contact: Quality@ransomnaturals.com
Telephone / Fax Number: 0044 (0)1462 437615 / No Fax

1.4 Emergency Telephone Number

Emergency Telephone Number: +44 (0)1462 437615 (office hours)
+44 (0)7917 863807 (24hr QA Duty Officer)

1.5 Other Information

Please note that this material is not classified as hazardous, and does not contain constituents which require the material to be supplied with a safety data sheet. This is produced as a voluntary safety data sheet for information.

SECTION 2: HAZARDS IDENTIFICATION

2.1 Classification of the substance or mixture

Not classified as Hazardous

Primary Effects
Physicochemical: None applicable.
Human Health: None applicable.
Environmental: None applicable.

2.1 Label elements

Pictogram: None required

Signal Word: None required

Hazard Statement(s): None required

Precautionary Statement(s): None required

2.2 Other hazards

This mixture is not classifiable as PBT or vPvB in accordance with Annex XIII of

Regulation (EC) No. 1907/2006 based on an assessment of the constituent ingredients.

SECTION 3: Composition/information on ingredients

General compositional description

An aqueous extract produced from Ashwagandha Root (*Withania somnifera* L.), containing approximately 0.2%w/w potassium sorbate (CAS 24634-61-5), 0.1%w/w sodium metabisulfite (CAS 7681-57-4), and 0.5%w/w citric acid monohydrate (CAS 5949-29-1)..

Hazardous components according to Regulation (EC) No. 1272/2008

Component ***Name and identifiers***	**Classification**	**Concentration, %w/w**
Potassium sorbate EC No. 246-376-1	**Eye Irrit. 2 – H319**	**Max. 0.22**
Sodium metabisulfite EC No. 231-673-0	**Acute Tox. 4 – H302, Eye Dam. 1 – H318 EUH031**	**Max 0.1**
Citric acid monohydrate EC No. 611-842-9	**Eye Irrit. 2 – H319**	**Max. 0.5**

For the full text of H-Statements see Section 16

Section 4: First Aid Measures

4.1 Description of first aid measures

General Advice
Although this material is not classified as hazardous follow good hygiene practices in use.

If inhaled
Remove to fresh air, keep warm and at rest. If breathing is difficult give oxygen and seek medical advice.

In case of skin contact
Remove contaminated clothing; this should not be worn again until it has been laundered. Wash affected skin thoroughly with soap and water.

In case of eye contact
Remove contact lenses where possible. Irrigate eye(s) with water or eyewash solution for at least five minutes. If discomfort persists seek medical advice.

If swallowed
Not hazardous by ingestion unless the patient has a sensitivity to sulphites.

4.2 Most important symptoms and effects, both acute and delayed

This product contains sulphites, which are a known food sensitiser/allergen. Seek medical advice if a significant quantity is ingested by a sensitive individual.

4.3 Indication of any immediate medical attention and special treatment needed

None applicable.

SECTION 5: Firefighting Measures

5.1 Extinguishing media

Suitable extinguishing media
N/A - Non-flammable.

Unsuitable extinguishing media
N/A.

5.2 Special hazards arising from the substance or mixture
When heated to decomposition may produce irritating fumes.

5.3 Advice for firefighters
No specific information; use normal personal protective equipment.

5.4 Further information
None.

SECTION 6: Accidental release measures

6.1 Personal precautions, protective equipment, and emergency procedures
Wear gloves and overalls.

6.2 Environmental precautions
None.

6.3 Methods and material for containment and cleaning up
Mop up or absorb on a proprietary absorbent, transfer to a suitable container and dispose of as non-hazardous waste. Wash contaminated area.

6.4 Reference to other sections
For personal protective equipment required see Section 8; for disposal information see Section 13.

SECTION 7: Handling and storage

7.1 Precautions for safe handling
Wear gloves and overalls

7.2 Conditions for safe storage, including any incompatibilities
Store in well-filled, tightly closed containers.

7.3 Specific end use(s)
No specific guidance relevant.

SECTION 8: Exposure controls/personal protection

8.1 Control parameters

Components with Occupational Exposure Limits
Contains no substances with occupational exposure limit values in significant quantities.

8.2 Exposure controls

Appropriate engineering controls
None required.

Individual protection measures, including personal protective equipment

Eye/face protection
Wear safety glasses if splashing is possible.

Skin protection

Hand protection
Wear gloves if hand contact is likely.

Other body protection
None required

Respiratory protection
None required in normal use.

Environmental exposure controls
None applicable.

SECTION 9: Physical and chemical properties

9.1 Information on basic physical and chemical properties

a)	**Physical State**	Liquid
b)	**Colour**	Amber-brown.
c)	**Odour**	Characteristic odour.
	Odour threshold	No test data.
d)	**Melting/freezing point**	No test data.
e)	**Initial boiling point and boiling range**	100°C
f)	**Flammability**	Non-flammable liquid
g)	**Lower and upper explosion limits**	N/A
h)	**Flash point**	N/A
i)	**Auto-ignition temperature**	N/A
j)	**Decomposition temperature**	No test data.

k)	**pH**	Typically 3.8 – 4.2
l)	**Kinematic viscosity**	No test data - Mobile liquid.
m)	**Solubility in**	Water
n)	**Partition coefficient: n-octanol/water**	N/A
o)	**Vapour pressure**	No test data.
p)	**Density and/or Relative Density**	Approx. 1.01 at 20°C
q)	**Relative Vapour Density**	N/A.

9.2 Other information
None applicable.

SECTION 10: Stability and reactivity

10.1 Reactivity
No known specific reactivity hazards.

10.2 Chemical Stability
Stable under all expected conditions of storage and handling.

10.3 Possibility of hazardous reactions
None relevant.

10.4 Conditions to avoid
None applicable.

10.5 Incompatible materials
None applicable.

10.6 Hazardous decomposition products
None known.

SECTION 11: Toxicological information

11.1 Information on hazard classes as defined in Regulation (EC) No 1272/2008

Acute toxicity
Based on available data on the hazardous constituents identified in Section 3, the classification criteria are not met.

Skin corrosion/irritation
Based on available data on the hazardous constituents identified in Section 3, the classification criteria are not met.

Serious eye damage/Irritation
Based on available data on the hazardous constituents identified in Section 3, the classification criteria are not met.

Respiratory or skin sensitisation
Based on available data on the hazardous constituents identified in Section 3, the classification criteria are not met. However, as a natural extract skin sensitisation

reactions are possible.

Germ cell mutagenicity
Based on available data on the hazardous constituents identified in Section 3, the classification criteria are not met.

Carcinogenicity
Based on available data on the hazardous constituents identified in Section 3, the classification criteria are not met.

Reproductive toxicity
Based on available data on the hazardous constituents identified in Section 3, the classification criteria are not met.

STOT-single exposure
Based on available data on the hazardous constituents identified in Section 3, the classification criteria are not met.

STOT-repeated exposure
Based on available data on the hazardous constituents identified in Section 3, the classification criteria are not met.

Aspiration hazard
Based on available data on the hazardous constituents identified in Section 3, the classification criteria are not met.

11.2 Information on other hazards

Endocrine disrupting properties
No constituents are reported to have endocrine disrupting properties.

Additional information
None applicable.

SECTION 12: Ecological information

12.1 Toxicity

Toxicity to fish	No data available for product. No constituents are classified with respect to toxicity to fish.
Toxicity to Daphnia and other aquatic invertebrates	No data available for product. No constituents are classified with respect to toxicity to aquatic invertebrates.
Toxicity to algae	No data available for product. No constituents are classified with respect to toxicity to algae.

12.2 Persistence and degradability
Based on available data on the hazardous constituents identified in Section 3, the product is expected to readily biodegrade.

12.3 Bioaccumulative potential
Based on available data on the hazardous constituents identified in Section 3, the product is unlikely to bioaccumulate.

12.4 Mobility in soil
Expected to be mobile in soil.

12.5 Results of PBT and vPvB assessment
The mixture contains no constituents which are classified as PBT or vPvB.

12.6 Endocrine disrupting properties
No constituents are reported to have endocrine disrupting properties.

12.7 Other adverse affects
No information.

SECTION 13: Disposal considerations

13.1 Waste treatment methods
Product
Dispose of product through a suitable licenced waste disposal contractor.

Contaminated packaging
Rinse containers and send for recycling.

SECTION 14: Transport Information

Classified as non-hazardous for all modes of transportation

SECTION 15: Regulatory information

This safety data sheet has been compiled in accordance with the requirements of Regulation (EC) No. 1907/2006.

15.1 Safety, health and environmental regulations/legislation specific for the substance or mixture
None applicable.

15.2 Chemical safety assessment
A chemical safety assessment has not been carried out for this product.

SECTION 16: Other information

Changes made in this update to the safety data sheet
First issue of the Safety Data Sheet in line with the requirements of Regulation (EC) No. 1907/2006.

References used in compilation of this safety data sheet
Regulation (EC) No. 1907/2006 on the Registration, Evaluation, Authorisation and Restriction of Chemicals (REACH).
Regulation (EC) No. 1272/2008 on the Classification, labelling and packaging of

substances and mixtures (CLP Regulation).
European Agreement Concerning the International Carriage of Dangerous Goods by Road (ADR) 2022 Edition
International Maritime Dangerous Goods Code 2022 Edition
IATA Dangerous Goods Regulations 64th Edition 2023
C&L Inventory online, ECHA Website, European Chemicals Agency, http://echa.europa.eu/.

Methods of evaluation used for classification of this mixture under Article 9 of Regulation (EC) No. 1272/2008
This safety data sheet has been produced using expert judgement based on the classification of constituents of this product as allowed under Article 9.

Full text of H-statements referred to under other Sections
H302 – Harmful if swallowed.
H318 – Causes serious eye damage.
H319 – Causes serious eye irritation.
EUH031 – Contact with acids liberates toxic gas.

Training recommended to be carried out prior to use of this material
All staff handling this material must be suitably trained in the safe use of chemicals in the relevant industry/workplace.

The information contained herein is, to the best of our knowledge, true and accurate. Any recommendations or suggestions are made without obligation on our part and the Company can accept no liability to any customer, their employees or any other person whatsoever for any loss, injury or damage whether direct or consequential, which may be caused by an error or omission from this sheet if negligent or otherwise.