SECTION 1: Identification of the substance/mixture and of the company / undertaking

1.1. **Product identifiers:**

- (a) Product name: Aniseed Oil BP
- (b) Product Number: ANISEOBP100L
- (c) Brand: None
- (d) Index-No.: not applicable
- (e) REACH No.: not applicable
- (f) CAS-No.: 8007-70-3

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

Herbal medicinal product

1.3. **Details of the supplier of the safety data sheet:**

Rutland Biodynamics Ltd, Town Park Farm, Brooke, Rutland, LE158DG.

1.4. **Emergency telephone number:**

+44(0) 1572 757440

SECTION 2: Hazards identification

2.1. **Classification of the substance or mixture:**

Not a hazardous substance or mixture according to Regulation (EC) No. 1272/2008

2.2. **Label elements:**

Not a hazardous substance or mixture according to Regulation (EC) No. 1272/2008

2.3. **Other hazards:**

This substance/mixture contains no components considered to be either persistent, bioaccumulative and toxic (PBT), or very persistent and very bioaccumulative (vPvB) at levels of 0.1% or higher

SECTION 3: Composition / information on ingredients

3.1. **Substances Synonyms:**

Anise Oil, Pimpinella Anisum Oil
3.2. Chemical Description:

Essential oil obtained by steam distillation from the dry ripe fruits of Pimpinella anisum L.

3.3. Ingredients:

Essential oil.

SECTION 4: First aid measures

4.1. General information:

When in doubt or if symptoms are observed, get medical advice. If unconscious place in recovery position and seek medical advice. Never give anything by mouth to an unconscious person or a person with cramps. Change contaminated, saturated clothing. Do not leave affected person unattended.

(a) After inhalation:

Remove casualty to fresh air and keep warm and at rest. If breathing is irregular or stopped, administer artificial respiration. In case of respiratory tract irritation, consult a physician.

(b) After eye contact:

In case of contact with eyes flush immediately with plenty of flowing water for 10 to 15 minutes holding eyelids apart and consult an ophthalmologist. Protect uninjured eye. Remove contact lenses, if present and easy to do. Continue rinsing.

(c) In case of Skin contact:

Remove contaminated clothing wash the affected area thoroughly with soap and water. If discomfort persists seek medical attention.

(d) In case of Ingestion:

DO NOT INDUCE VOMITING. In case of spontaneous vomiting, ensure vomit can drain freely to prevent danger of suffocation. Never give anything by mouth to an unconscious person when conscious, rinse mouth with 500ml water. If there is difficulty in breathing give oxygen. If breathing stops or shows signs of failing, apply artificial respiration. Obtain medical attention should symptoms persist.

4.2. Most important symptoms and effects, both acute and delayed:

The most important known symptoms and effects are described in the labelling (see section 2.2) and/or in section 11

4.3. Indication of any immediate medical attention and special treatment needed:

No data available
4.4. Self-protection of the first aider:
First aider: Pay attention to self-protection!

4.5. Information to physician:
No data available

SECTION 5: Firefighting measures

5.1. Extinguishing media:
(a) Suitable extinguishing media:
Use water spray, alcohol-resistant foam, dry chemical or carbon dioxide
(b) Extinguishing media which must not be used for safety reasons:
No restriction

5.2. Special hazards arising from the substance or mixture:
Nature of decomposition products not known

5.3. Advice for firefighters:
Wear self-contained breathing apparatus for firefighting if necessary

5.4. Additional information:
Do not allow run-off from fire-fighting to enter drains or water courses. Do not inhale explosion and combustion gases. Use caution when applying carbon dioxide in confined spaces. Carbon dioxide can displace oxygen. Use water spray jet to protect personnel and to cool endangered containers.

SECTION 6: Accidental release measures

6.1. Personal precautions, protective equipment and emergency procedures:
Use personal protective equipment. Avoid breathing vapours, mist or gas. Remove all sources of ignition. Beware of vapours accumulating to form explosive concentrations. Vapours can accumulate in low areas

6.2. Environmental precautions:
Prevent contamination of soils, drains and surface water. Do not let product enter drains

6.3. Methods and materials for containment and cleaning up:
Contain spillage, and then collect with an electrically protected vacuum cleaner or by wet-
brushing and place in container for disposal according to local regulations (see section 13). Keep in suitable, closed containers for disposal.

6.4. **Additional information:**

For disposal see section 13

SECTION 7: Handling and storage

7.1. **Precautions for safe handling:**

Product should be handled according to good industrial practice. Use in well ventilated area avoid inhaling vapour. Avoid contact with eyes, skin, and clothing. Keeping container tightly closed when not in use. Keep away from sources of ignition. - No smoking. Usual measures for fire prevention. Take measures to prevent the build up of electrostatic charge.

7.2. **Conditions for safe storage:**

(a) **storage temperature:**

Recommended storage temperature 2 - 8 °C

(b) **Storage class:**

Storage class (TRGS 510): Combustible liquids

(c) **storage area:**

Light sensitive. It should be cool, well ventilated. Store away form sources of heat an ignition. Storage ans transfer should be adequately earthed and bounded to the accumulation of static charge

7.3. **Specific end use(s):**

Apart from the uses mentioned in section 1.2 no other specific uses are stipulated

SECTION 8: Exposure controls/personal protection

8.1. **Control parameters:**

Contains no substances with occupational exposure limit values

8.2. **Exposure controls:**

(a) **Appropriate engineering controls:**

Handle in accordance with good industrial hygiene and safety practice. Wash hands before breaks and at the end of workday

(b) **Personal protection equipment:**
Safety Data Sheet

- Safety glasses with side-shields conforming to EN166 Use equipment for eye protection tested and approved under appropriate government standards such as NIOSH (US) or EN 166(EU).

- Handle with gloves. Gloves must be inspected prior to use. Use proper glove removal technique (without touching glove's outer surface) to avoid skin contact with this product. Dispose of contaminated gloves after use in accordance with applicable laws and good laboratory practices.

- The selected protective gloves have to satisfy the specifications of EU Directive 89/686/EEC and the standard EN 374 derived from it.

- Impervious clothing, The type of protective equipment must be selected according to the concentration and amount of the dangerous substance at the specific workplace.

- Where risk assessment shows air-purifying respirators are appropriate use a full-face respirator with multi-purpose combination (US) or type ABEK (EN 14387) respirator cartridges as a backup to engineering controls. If the respirator is the sole means of protection, use a full-face supplied air respirator. Use respirators and components tested and approved under appropriate government standards such as NIOSH (US) or CEN (EU)

(c) Environmental exposure controls:

Prevent further leakage or spillage if safe to do so. Do not let product enter drains

SECTION 9: Physical and chemical properties

9.1. Information on basic physical and chemical properties:

(a) Appearance: A Clear, colourless or pale yellow liquid

(b) Odour: Characteristic

(c) Odour Threshold: no data available

(d) PH: no data available

(e) Melting point/freezing point Melting point/range: 15 °C to 19 °C (freezing point)

(f) Initial boiling point and boiling range: 232 °C - lit

(g) Flash point: 93 °C - closed cup

(h) Evaporation rate: no data available

(i) Flammability (solid, gas): no data available

(j) Upper/lower flammability or explosive limits: no data available
Safety Data Sheet

- Lower explosion limit:
- Upper explosion limit:

(k) Vapour pressure: no data available
(l) Vapour density: no data available
(m) Relative density: 0.980 to 0.990
(n) Solubility(ies):
  - at 20°C:
  - Soluble (g/L) in:

(o) Partition coefficient: n-octanol/water: no data available
(p) Auto-ignition temperature: no data available
(q) Decomposition temperature: no data available
(r) Viscosity: no data available
  - Kinematic viscosity:
  - Dynamic viscosity:

(s) Explosive properties: no data available
(t) Oxidizing properties: no data available
(u) Ethanol Content: no data available

9.2. Other safety information:

(a) Bulk density:
  no data available

(b) Refraction index:
  1.552 to 1.561

(c) Dissociation constant:
  no data available

(d) Surface tension:
Safety Data Sheet

SECTION 10: Stability and reactivity

10.1. Reactivity:
no data available

10.2. Chemical stability:
Stable under recommended storage conditions

10.3. Possibility of hazardous reactions:
no data available

10.4. Conditions to avoid:
Heat, flames and sparks

10.5. Incompatible materials:
no data available

10.6. Hazardous decomposition products:
no data available

10.7. Additional information:
no data available

SECTION 11: Toxicological information

11.1. Information on toxicological effects:

(a) Acute effects

• Acute oral toxicity: LD50 (oral. Rat): 2,250 mg/kg
• Acute dermal toxicity: LD50 (dermal. Rabbit): >5,000 mg/kg
• Acute inhalation toxicity: LC50 (inhalative. Rat. 4h): no data available

(b) Irritant and corrosive effects:
Safety Data Sheet

- Primary irritation to the skin: no data available
- Irritation to eyes: no data available
- Irritation to respiratory tract: no data available

(c) Respiratory or skin sensitisation:
- in case of skin contact: not sensitising
- After inhalation: not sensitising

(d) STOT-single exposure:
- not applicable

(e) STOT-repeated exposure:
- not applicable

(f) CMR effects (carcinogenicity, mutagenicity and toxicity for reproduction):
- Carcinogenicity:
  No component of this product present at levels greater than or equal to 0.1% is identified as
  - probable, possible or confirmed human carcinogen by IARC
- Germ cell mutagenicity:
  - Rat: S. typhimurium: Host-mediated assay
  - S. typhimurium: Mutation in microorganisms.
- Reproductive toxicity:
  No data available
- Aspiration hazard:
  No data available
- Other adverse effects:
  no data available
- Additional information:
RTECS: BZ4200000

SECTION 12: Ecological information

12.1. Ecotoxicity

(a) Acute (short-term) fish toxicity:
no data available

(b) Chronic (long-term) fish toxicity:
no data available

(c) Acute (short-term) daphnia toxicity:
no data available

(d) Chronic (long-term) daphnia toxicity:
no data available

(e) Acute (short-term) algae toxicity:
no data available

(f) Chronic (long-term) algae toxicity:
no data available

12.2. Persistence and degradability:

This substance/mixture contains no components considered to be either persistent, bioaccumulative and toxic (PBT), or very persistent and very bioaccumulative (vPvB) at levels of 0.1% or higher

12.3. Bioaccumulative potential:

Section 12.2

12.4. Mobility in soil:

no data available

12.5. Results of PBT/vPvB assessment:

Section 12.2

12.6. Other adverse effects:
no data available

SECTION 13: Disposal considerations

13.1. Waste treatment methods:

(a) Appropriate disposal / Product:

• Dispose according to local legislation:

  Consult the appropriate local waste disposal expert about waste disposal. This combustible material may be burned in a chemical incinerator equipped with an afterburner and scrubber. Offer surplus and non-recyclable solutions to a licensed disposal company.

• Waste code product:

  no data available

(b) Appropriate disposal / Package:

• Dispose according to local legislation. Handle contaminated packages in the same way as the substance itself.

(c) Additional information:

• This material must be disposed of as hazardous waste according to special waste regulations 1996 or according to local regulations, in compliance with duty of care regulations and special waste regulations as waste from manufacturing, supply and use of pharmaceuticals.

SECTION 14: Transport information

14.1. Land transport (ADR/RID)

(a) UN number: N/A

(b) UN proper shipping name: Not dangerous goods

(c) Classification: N/A

(d) Transport hazard class(es): N/A

(e) Packaging group: N/A

(f) Environmental hazards: N/A

(g) Special precautions for user:
14.2. Sea transport (IMDG)

(a) UN number: N/A
(b) UN proper shipping name: Not dangerous goods
(c) Classification: N/A
(d) Transport hazard class(es): N/A
(e) Packaging group: N/A
(f) Environmental hazards: No
   • Marine pollutant: No
(g) Special precautions for user: no data available
(h) Transport in bulk according to Annex II of MARPOL 73/78 and the IBC Code: Not relevant

14.3. Air transport (ICAO-TI / IATA-DGR)

(a) UN number: N/A
(b) UN proper shipping name: Not dangerous goods
(c) Classification: N/A
(d) Transport hazard class(es): N/A
(e) Packaging group: N/A
(f) Special precautions for user: Not relevant

SECTION 15: Regulatory information

15.1. Safety, health and environmental regulations/legislation specific for the substance or mixture

(a) General rules:
   • This safety datasheet complies with the requirements of Regulation (EC) No. 453/2010


15.2. Chemical Safety Assessment:

For this product a chemical safety assessment was not carried out

SECTION 16: Other information

16.1. Abbreviations and acronyms:

(a) **ACGIH** - American Conference of Governmental Industrial Hygiensts

(b) **ADR** - European Agreement concerning the International Carriage of Dangerous Goods by Road

(c) **AGS** - Committee on Hazardous Substances (Ausschuss für Gefahrstoffe)

(d) **CLP** - Regulation on Classification, Labelling and Packaging of Substances and Mixtures

(e) **DFG** - German Research Foundation (Deutsche Forschungsgemeinschaft)

(f) **Gestis** - Information system on hazardous substances of the German Social Accident Insurance (Gefahrstoffinformationssystem der Deutschen Gesetzlichen Unfallversicherung)

(g) **IATA-DGR** - International Air Transport Association-Dangerous Goods Regulations

(h) **ICAO-TI** - International Civil Aviation Organization-Technical Instructions

(i) **IMDG** - International Maritime Code for Dangerous Goods

(j) **LTV** - Long Term Value

(k) **NIOSH** - National Institute for Occupational Safety and Health
16.2. Additional information:

No date available

The above information describes exclusively the safety requirements of the product and is based on our present-day knowledge. The information is intended to give you advice about the safe handling of the product named in this safety data sheet, for storage, processing, transport and disposal. The information cannot be transferred to other products. In the case of mixing the product with other products or in the case of processing, the information on this safety data sheet is not necessarily valid for the new made-up material.