RUTLAND BIODYNAMICS LTD

MATERIAL SAFETY DATA SHEET (MSDS)

Avena sativa seed/herba SuperXtract 1:1 25% ethanol

1. General Information

Product: Avena sativa seed/herba SuperXtract 1:2 25% ethanol

Manufacturer/supplier: Rutland Biodynamics Ltd, Town Park Farm, Brooke, Rutland, LE15 8DG.
Emergency Telephone: +44 (0) 1572 757440

2. Composition/Ingredients

Chemical description: An aqueous ethanolic extraction of herbal material

Ingredients: Avena sativa herba
Ethanol
Purified Water BP

3. Hazards identification

R10 – Flammable

4. First aid measures

GENERAL: IF IN DOUBT OR WHEN SYMPTOMS PERSIST, ALWAYS SEEK MEDICAL ATTENTION.

Eyes: Flush eyes with plenty of water for 5 minutes while lifting eyelids. If discomfort persists, seek medical attention and continue to rinse

Skin: Remove contaminated clothing. Wash the affected area thoroughly with soap and water. If discomfort persists obtain medical attention.

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.

Inhalation: Move person into fresh air. If recovery not rapid, seek medical attention.

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5. Fire-fighting measures

Extinguishing Media:
Alcohol resistant foam, Water spray. Carbon dioxide (CO_2), Dry chemicals etc. Keep containers and surroundings cool with water spray.

Hazardous Combustion Products
Incomplete combustion may result in the release of toxic carbon monoxide.

Protective Measures in Fire
Fire fighters should wear self-contained breathing apparatus

6. Accidental release measures

Personal Precautions:
Wear appropriate protective clothing. Eliminate sources of ignition.

Precautions to Protect the Environment
Prevent contamination of soils, drains and surface water.

Spill Clean-up Method
Sweep up or absorb material, then place into a suitable clean, dry, closed container for disposal. Wash area with detergent and water.

7. Handling and storage

Usage: Product should be handled according to good industrial practice. Use in well ventilated area. Avoid inhaling vapour. Avoid contact with eyes, skin and clothing. Keep container tightly closed when not in use.

Storage: Storage area should be cool, well ventilated. Store away from sources of heat or ignition. Storage and transfer equipment should be adequately earthed and bonded to prevent the accumulation of static charges.

8. Exposure controls/personal protection

Ensure adequate ventilation. Use impervious gloves. Use eye protection if eye contact is likely. Use respiratory protection if there is a risk of exposure to high vapour concentrations. Wear PPE appropriate to the quantity of material handled.

9. Physical properties

Physical State:	A mobile liquid.
Colour:	Brown
Flash Point:	24 °C
Ethanol Content:	23 - 27 % v/v

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10. Stability and reactivity

Chemical Stability: Stable under normal temperatures and pressures.
Incompatibilities with Other Materials: Strong oxidizers. Nitric acid
Hazardous Decomposition Products: Carbon oxides.

11. Toxicological information

General Health Hazards: May be intoxicating if inhaled or ingested.
Inhalation: High vapour concentration exposure to may cause CNS (central nervous system) depression or have similar effects to those of ingestion
Ingestion: May cause nausea, vomiting or diarrhoea.
Eyes: May cause transient eye irritation or damage.
Other Health Effects: For ethanol component of the preparation, adverse effects on male reproductive system have been reported in laboratory animals on prolonged exposure.

12. Ecological information

Ecotoxicity:	No data available. No information available.
Environmental:	Readily biodegradable.
Physical:	No information available.
Other:	None.

13. Disposal considerations

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 manufacture, supply and use of pharmaceuticals.

14. Transport Information

DOT Classification:	R10 Flammable liquid
UN No:	1293 (TINCTURES, MEDICINAL)
Class:	3
Packaging Group:	III

15. Regulatory information

EC Classifications:	Flammable Liquid
Risk Phrases:	R-10 Flammable Liquid

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Safety Phrases:

16. Other information

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