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

1.1. Product identifier

Product form : Mixture
Trade name : ROMEO ®

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

1.2.1. Relevant identified uses

Industrial/Professional use spec : For professional use only
Use of the substance/mixture : Plant protection product
Fungicide against plant diseases (Systemic resistance inducer)

1.2.2. Uses advised against

Restrictions on use : Any use other than recommended

1.3. Details of the supplier of the safety data sheet

Manufacturer
AGRAUXINE
7 avenue du Grand Périgné
49070 Beaucouzé - France
T + 33 (0)2 41 77 80 77
fds-agx@agrauxine.lesaffre.com

Distributor
Fargro Ltd
Vinery Fields, Arundel Road,West Sussex
BN18 9PY UK Poling - Great Brittain
T +44 (0)190 372 1591
www.fargro.co.uk

1.4. Emergency telephone number

Country	Organisation/Company	Address	Emergency number	Comment
United Kingdom	National Poisons Information Service (Birmingham Centre) City Hospital	Dudley Road B18 7QH Birmingham	0344 892 0111	Only for healthcare professionals
United Kingdom	NHS 111/NHS 24/NHS Direct		111 0845 4647	or call a doctor

SECTION 2: Hazards identification

2.1. Classification of the substance or mixture

Classification according to The Chemicals (Health and Safety) and Genetically Modified Organisms (Contained Use) (Amendment etc.) (EU Exit) Regulations 2020

Not classified

Adverse physicochemical, human health and environmental effects

To our knowledge, the product does not present any particular risk, under normal conditions of use.

2.2. Label elements

Classification according to The Chemicals (Health and Safety) and Genetically Modified Organisms (Contained Use) (Amendment etc.) (EU Exit) Regulations 2020

Precautionary statements : P101 - If medical advice is needed, have product container or label at hand.
P102 - Keep out of reach of children.
P103 - Read carefully and follow all instructions.
P260 - Do not breathe vapours.

EUH-statements : EUH401 - To avoid risks to human health and the environment, comply with the instructions for use.

2.3. Other hazards

Other hazards which do not result in classification : None under normal conditions.
This substance/mixture does not meet the PBT criteria of REACH regulation, annex XIII

This substance/mixture does not meet the vPvB criteria of REACH regulation, annex XIII

SECTION 3: Composition/information on ingredients

3.1. Substances

Not applicable.

3.2. Mixtures

Name	Product identifier	%	Classification according to The Chemicals (Health and Safety) and Genetically Modified Organisms (Contained Use) (Amendment etc.) (EU Exit) Regulations 2020
Cerevisane (Cell walls of *Saccharomyces cerevisiae* strain LAS117)		90 – 100	Not classified

SECTION 4: First aid measures

4.1. Description of first aid measures

First-aid measures general : If you feel unwell, seek medical advice.

First-aid measures after inhalation : Move the affected person to the fresh air. Take victim to a doctor if respiratory symptoms appear or persist.

First-aid measures after skin contact : Wash off with soap and plenty of water. If skin irritation or rash occurs: Get medical advice/attention.

First-aid measures after eye contact : Immediately rinse with water for a prolonged period while holding the eyelids wide open. Consult an eye specialist if necessary.

First-aid measures after ingestion : Rinse mouth out with water. Never give anything by mouth to an unconscious person. Do not induce vomiting. Get immediate medical advice/attention.

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

Symptoms/effects : No specific effects and/or symptoms are known.

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

No immediate medical care or specific treatment identified.

SECTION 5: Firefighting measures

5.1. Extinguishing media

Suitable extinguishing media : Dry powder. Foam. Water spray.

Unsuitable extinguishing media : None known.

5.2. Special hazards arising from the substance or mixture

Fire hazard : Fire will produce dense black smoke.

Hazardous decomposition products in case of fire : Carbon oxides (CO, CO2).

5.3. Advice for firefighters

Firefighting instructions : Cool down the containers exposed to heat with a water spray. Contain the extinguishing fluids by bunding. Do not breathe fumes.

Protection during firefighting : Do not attempt to take action without suitable protective equipment. Self-contained breathing apparatus. Complete protective clothing.

SECTION 6: Accidental release measures

6.1. Personal precautions, protective equipment and emergency procedures

General measures : Avoid any direct contact with the product. Do not breathe dust.

6.1.1. For non-emergency personnel

Emergency procedures : Evacuate unnecessary personnel. Only qualified personnel equipped with suitable protective equipment may intervene.

6.1.2. For emergency responders

Protective equipment : Do not attempt to take action without suitable protective equipment.

6.2. Environmental precautions

Do not discharge into drains or rivers. Do not allow product to spread into the environment.

6.3. Methods and material for containment and cleaning up

For containment : Mechanically recover the product. Avoid dust production. Shovel into suitable and closed container for disposal.

Methods for cleaning up : Wash contaminated area with large amounts of water.

Other information : Dispose of in accordance with relevant local regulations.

6.4. Reference to other sections

For further information refer to section 8: "Exposure controls/personal protection". For further information refer to section 13.

SECTION 7: Handling and storage

7.1. Precautions for safe handling

Precautions for safe handling : Ensure good ventilation of the work station. Avoid any direct contact with the product. Avoid dust formation. Do not breathe dust.

Hygiene measures : Do not drink, eat or smoke in the workplace. Always wash hands after handling the product. Handle in accordance with good industrial hygiene and safety practice.

7.2. Conditions for safe storage, including any incompatibilities

Storage conditions : Keep container tightly closed. Store in dry, cool, well-ventilated area. Keep away from heat. Protect from sunlight. Keep out of frost. Protect from moisture. Keep away from food, drink and animal feeding stuffs.

Special rules on packaging : Keep only in original container.

7.3. Specific end use(s)

Plant protection product. Restricted to professional users.

SECTION 8: Exposure controls/personal protection

8.1. Control parameters

No additional information available

8.2. Exposure controls

Appropriate engineering controls:
Ensure good ventilation of the work station. Extraction to remove dust at its source. Safety shower. Eye fountain.

Hand protection:
Protective gloves. The protective gloves to be used must comply with the specifications of the regulation 2016/425 and the resultant standard EN 374. Breakthrough time : refer to the recommendations of the supplier

Eye protection:
Safety glasses. (EN 166)

Skin and body protection:
65 % Polyester/35% cotton overalls with weight of 230 g/m² or more, with a water-repellent treatment - Partial PPE (protective smock or long-sleeved apron), category III and type PB (3B) to be worn over the overalls mentioned above

Respiratory protection:
Certified anti-aerosol filtering half-mask (EN 49) of class FFP3 or certified half-mask (EN 140) equipped with a certified aerosol filter (EN143) of class P3

Environmental exposure controls:
Take all necessary measures to avoid accidental discharge of products into drains and waterways due to the rupture of containers or transfer systems.

SECTION 9: Physical and chemical properties

9.1. Information on basic physical and chemical properties

Physical state	:	Solid
Appearance	:	Wettable powder.
Colour	:	Beige.
Odour	:	Characteristic.
Odour threshold	:	Not established
pH	:	3.2 (1% aqueous dispersion)
pH solution	:	1 %
Relative evaporation rate (butylacetate=1)	:	Not applicable.
Melting point	:	Not established
Freezing point	:	Not established
Boiling point	:	Not applicable.
Flash point	:	Not applicable.
Auto-ignition temperature	:	219 °C
Decomposition temperature	:	Not established
Flammability (solid, gas)	:	Not flammable
Vapour pressure	:	Not applicable.
Relative vapour density at 20 °C	:	Not applicable.
Relative density	:	Not established
Density	:	0.65 g/cm³
Solubility	:	Water: Dispersible (Wettable powder)
Partition coefficient n-octanol/water (Log Pow)	:	Not applicable.
Viscosity, kinematic	:	Not applicable.
Viscosity, dynamic	:	Not applicable.
Explosive properties	:	Not explosive.
Oxidising properties	:	Non oxidizing.
Explosive limits	:	Not established

9.2. Other information

No additional information available

SECTION 10: Stability and reactivity

10.1. Reactivity

To our knowledge, the product does not present any particular risk, under normal conditions of use.

10.2. Chemical stability

Stable at ambient temperature and under normal conditions of use.

10.3. Possibility of hazardous reactions

None under normal use.

10.4. Conditions to avoid

Heat. Direct sunlight. Water, humidity. Exposure to low temperatures. Freezing.

10.5. Incompatible materials

Strong oxidizing agents.

10.6. Hazardous decomposition products

Under normal conditions of storage and use, hazardous decomposition products should not be produced.

SECTION 11: Toxicological information

11.1. Information on toxicological effects

Acute toxicity (oral)	:	Not classified (Lack of data)
Acute toxicity (dermal)	:	Not classified (Lack of data)
Acute toxicity (inhalation)	:	Not classified (Lack of data)
Skin corrosion/irritation	:	Not classified (Based on available data, the classification criteria are not met) pH: 3.2 (1% aqueous dispersion)
Additional information	:	Not irritating to rabbits on cutaneous application (OECD 404 method)
Serious eye damage/irritation	:	Not classified (Based on available data, the classification criteria are not met) pH: 3.2 (1% aqueous dispersion)
Additional information	:	Not irritating to rabbits on ocular application (OECD 405 method)
Respiratory or skin sensitisation	:	Not classified (Based on available data, the classification criteria are not met)
Additional information	:	Did not cause sensitisation (mouse) (OECD 429 method)
Germ cell mutagenicity	:	Not classified (Lack of data)
Carcinogenicity	:	Not classified (Lack of data)
Reproductive toxicity	:	Not classified (Lack of data)
STOT-single exposure	:	Not classified (Lack of data)
STOT-repeated exposure	:	Not classified (Lack of data)
Aspiration hazard	:	Not classified (Technical impossibility to obtain the data)

ROMEO ®	
Viscosity, kinematic	Not applicable.

SECTION 12: Ecological information

12.1. Toxicity

Ecology - general	:	To our knowledge, the product does not present any particular risk, under normal conditions of use.
Hazardous to the aquatic environment, short-term (acute)	:	Not classified (Based on available data, the classification criteria are not met)
Hazardous to the aquatic environment, long-term (chronic)	:	Not classified (Lack of data)

ROMEO ®	
EC50 Daphnia	> 200 mg/l/48 h (Daphnia magna)(OECD 202 method)
ErC50 algae	81.6 mg/l/72 h (Pseudokirchneriella subcapitata)(OECD 201 method)

12.2. Persistence and degradability

ROMEO ®	
Persistence and degradability	Readily biodegradable.

12.3. Bioaccumulative potential

ROMEO ®	
Partition coefficient n-octanol/water (Log Pow)	Not applicable.
Bioaccumulative potential	Not potentially bioaccumulable.

12.4. Mobility in soil

No additional information available

12.5. Results of PBT and vPvB assessment

Component	
Cerevisane (Cell walls of *Saccharomyces cerevisiae* strain LAS117)	This substance/mixture does not meet the PBT criteria of REACH regulation, annex XIII This substance/mixture does not meet the vPvB criteria of REACH regulation, annex XIII

12.6. Other adverse effects

No additional information available

SECTION 13: Disposal considerations

13.1. Waste treatment methods

Waste treatment methods : Do not allow into drains or water courses. Dispose of in accordance with relevant local regulations.

Product/Packaging disposal recommendations : Empty the packaging completely prior to disposal.

Additional information : The user's attention is drawn to the possible existence of specific european, national or local regulations regarding disposal.

SECTION 14: Transport information

In accordance with ADR / IMDG / IATA / ADN / RID

ADR	IMDG	IATA	ADN	RID
14.1. UN number				
Not applicable.	Not applicable.	Not applicable.	Not applicable.	Not applicable.
14.2. UN proper shipping name				
Not applicable.	Not applicable.	Not applicable.	Not applicable.	Not applicable.
14.3. Transport hazard class(es)				
Not applicable.	Not applicable.	Not applicable.	Not applicable.	Not applicable.
14.4. Packing group				
Not applicable.	Not applicable.	Not applicable.	Not applicable.	Not applicable.
14.5. Environmental hazards				
Not applicable.	Not applicable.	Not applicable.	Not applicable.	Not applicable.

14.6. Special precautions for user

Special transport precautions : No additional information available

Overland transport
Not applicable.

Transport by sea
Not applicable.

Air transport
Not applicable.

Inland waterway transport
Not applicable.

Rail transport
Not applicable.

14.7. Transport in bulk according to Annex II of Marpol and the IBC Code

Not applicable.

SECTION 15: Regulatory information

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

15.1.1. EU-Regulations

Contains no REACH substances with Annex XVII restrictions
Contains no substance on the REACH candidate list
Contains no REACH Annex XIV substances
Contains no substance subject to Regulation (EU) No 649/2012 of the European Parliament and of the Council of 4 July 2012 concerning the export and import of hazardous chemicals.
Contains no substance subject to Regulation (EU) No 2019/1021 of the European Parliament and of the Council of 20 June 2019 on persistent organic pollutants

Other information, restriction and prohibition regulations : This product is considered as a Plant Protection Product according to Regulation 1107/2009. It is responsibility of the user to ensure that the product is used in conformity with all regulations and recommendations linked to its own activities. This product contains an active substance (Cerevisane) approved in European Union according to Regulation 1107/2009 as a “low-risk substance".
SP1: Do not contaminate water with the product or its container. Do not clean application equipment near surface water. Avoid contamination via drains from farmyards and roads.
SPe3: To protect aquatic species, respect an unsprayed buffer zone of 5m.

15.1.2. National regulations

No additional information available

15.2. Chemical safety assessment

No additional information available

SECTION 16: Other information

Abbreviations and acronyms:	
ADR	European Agreement concerning the International Carriage of Dangerous Goods by Road
ADN	European Agreement concerning the International Carriage of Dangerous Goods by Inland Waterways
EC50	Median effective concentration
RID	Regulations concerning the International Carriage of Dangerous Goods by Rail
IATA	International Air Transport Association
IMDG	International Maritime Dangerous Goods
Pow (log)	n-octanol/water partition coefficient

PBT	Persistent Bioaccumulative Toxic
vPvB	Very Persistent and Very Bioaccumulative

Data sources : Internal data.
Other information : Safety data sheet established by : LISAM TELEGIS
17 rue de la Couture F-60400 Passel
www.lisam-telegis.com.

Full text of H- and EUH-statements:	
EUH401	To avoid risks to human health and the environment, comply with the instructions for use.

FDS UK

This information is based on our current knowledge and is intended to describe the product for the purposes of health, safety and environmental requirements only. It should not therefore be construed as guaranteeing any specific property of the product.