

SAFETY DATA SHEET

According to Regulation (EU) No 453/2010

AGOLIN RUMINANT**SECTION 1: Identification of the substance/mixture and of the company/undertaking****1.1. Product identifier**

Product name: **AGOLIN RUMINANT** (Premixture of flavouring compounds)
CAS Number: N/a.
REACH Registration number: N/a.

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

Identified uses: Premixture of flavouring compounds for animal feed only. Do not ingest.

1.3. Details of the supplier

Manufacturer and distributor: Agolin SA
Rte de la Picarde 20
CH – 1145 Bière (Switzerland)
Tel: +41 21 807 03 34
Fax: +41 21 807 03 35
email: info@agolin.com

1.4. Emergency telephone number

Emergency phone: Agolin SA
Tel: +41 21 807 03 34
Hours of operation: 08:00 – 12:00, 13:30 – 17:30
Switzerland: Tox poison information service
Emergency Phone 145 (24 h, +41 44 251 5151 from outside Switzerland)

SECTION 2: Hazards identification**2.1. Classification of the substance or mixture**

Classification according to Regulation (EC) 1272/2008

Hazard classes / Hazard categories	Hazard statement
Skin Irrit. 2	H315
Eye Dam. 1	H318

See the full text of the hazard statements and risk phrases in section 16.

2.2. Label elements

Labelling according to Regulation (EC) 1272/2008

Hazard Pictograms: GHS07, GHS05



Signal word(s): Warning, Danger

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Hazard Statements:

H315: Causes skin irritation

H318: Causes serious eye damage.

Precautionary statements:

P261: Avoid breathing dust/fume/gas/mist/vapours/spray.

P264: Wash hands thoroughly after handling.

P280: Wear protective gloves/protective clothing/eye protection/face protection.

P302 + P352: IF ON SKIN: Wash with plenty of soap and water.

P305 + P351 + P338: IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.

P333 + P313: If skin irritation or rash occurs: Get medical advice/attention.

P337 + P313: If eye irritation persists: Get medical advice/attention.










2.3. Other hazards

The product contains no PBT or vPvB substances.

SECTION 3: Composition/information on ingredients

3.1. Substances


The mixture* contains:

Name	CAS No.	EC No.	Content (%) w/w	Classification according to Regulation (EC) No 1272/2008	Hazard statements labelling	Pictogram signal word code
Fumaric acid	110-17-8	203-743-0	5 - <15	Eye Irrit. 2	H319, GHS07 Eye Irrit. 2	
Coriander seed oil (containing >65% Linalool)	8008-52-4 (Coriander oil)	283-880-0 (<i>Coriandrum sativum</i> extract)	2 - <10	Aquatic Chronic 2; Asp. Tox. 1, Eye Irrit. 2 ;Flam. Liq. 3; Skin Sens. 1; Skin Irrit. 2	H226; H304; H315; H317; H319; H411; GHS02,07,09; Aquatic Chronic 2; Asp. Tox. 1, Eye Irrit. 2 ;Flam. Liq. 3; Skin Sens. 1; Skin Irrit. 2	  
Eugenol	97-53-0	202-589-1	2.5 - <7	Eye Irrit. 2; Skin Sens. 1B	H317;H319;GHS07; Eye Irrit. 2; Skin Sens. 1B;	
Geranyl acetate	105-87-3	203-341-5	2 - <7	Skin Irrit. 2;Aquatic Chronic 4;Skin Sens.1	H315;H317;H413; GHS 07; Skin Irrit. 2; aquatic Chronic 4; Skin Sens.1	
Geraniol	106-24-1	203-377-1	2 - <6	Eye dam. 1; Skin Sens. 1; Skin Irrit. 2	H315;H317;H318; GHS 05,GHS 07; Eye dam. 1; Skin Sens. 1; Skin Irrit. 22	 
Butylated, hydroxytoluene	128-37-0	204-881-4	0.15	Aquatic Chronic 2	H411 ; GHS09 Aquatic Chronic 2	

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Butylated hydroxyanisole	25013-16-5	246-563-8	0.01	Acute Tox. 5., Eye Irrit.2 ; Skin Irrit.2	H303 ;H315 ;H319 ; GHS07 Acute Tox. 5, Eye Irrit.2 ; Skin Irrit.2	
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*only harmful flavouring compounds are listed.

SECTION 4: First aid measures

4.1. Description of first aid measures

Inhalation

If inhaled, remove person to fresh air. If not breathing give artificial respiration. If breathing is difficult give oxygen.

Skin contact

Flush skin with plenty of soap and water for at least 15 minutes while removing contaminated clothing and shoes. Seek medical advice if irritation persists.

Eye contact

Flush eyes with plenty of water for at least 15 mins, occasionally lifting the upper and lower lids. Seek medical advice if irritation persists.

Ingestion

If conscious and alert rinse mouth and drink 2-4 cupfuls of milk or water. Never give anything by mouth to an unconscious person. Contact physician if larger quantity has been swallowed (show this Safety Data Sheet).

Personal precautions

See Section 8.

Notes to physician

No specific treatment. Treat symptomatically. Contact poison treatment specialist immediately if large quantities have been ingested.

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

See risk and security phrases (section 2).

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

Call doctor in case irritation resists.

SECTION 5: Firefighting measures

5.1. Extinguishing media

Suitable extinguishing media: Powder, foam or carbon dioxide.

Unsuitable extinguishing media: n/a.

5.2. Special hazards arising from the substance or mixture

No typical hazardous decomposition products known.

5.3. Advice for fire-fighters

Wear self-contained breathing apparatus. Wear protective clothing to prevent contact with skin and eyes.

Treat as an oil fire. Water spray may be ineffective unless used by experienced fire fighters.

SECTION 6: Accidental release measures

6.1. Personal precautions, protective equipment and emergency procedures

Wear respiratory protection, chemical safety goggles, rubber boots and rubber gloves. Avoid breathing vapours, mist or gas. Ensure adequate ventilation. Remove all sources of ignition. Evacuate personnel to safe areas.

6.2. Environmental precautions

Prevent further leakage or spillage if safe to do so. Do not let product enter drains, sewers or the immediate environment. In case of large spill, inform local police, local authority, water company, National Rivers Authority and/or fire brigade as

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appropriate.

6.3. Methods and material for containment and cleaning up

Mix with an inert, inorganic, non-combustible absorbent material (e.g. sawdust, sand, earth, vermiculite, etc.). Keep in suitable, closed containers for disposal according to local regulations (see section 13).

6.4. References to other sections

Refer to section 8 of the SDS.

SECTION 7: Handling and storage

7.1. Precautions for safe handling

Avoid spilling and contact with skin and eyes.

7.2. Conditions for safe storage, including any incompatibilities

Keep in original container. Store in a dry and cool place and at less than 25°C. Keep containers tightly closed. Use stainless steel equipment in contact with the pure product. Avoid plastic or plexiglass equipment.

7.3. Specific end use(s)

See section 1.2 and Technical Data Sheet.

SECTION 8: Exposure controls/personal protection

8.1. Control parameters

N/a. Declaration of substances is not required.

8.2. Exposure controls

Arrange for eye wash possibility. Avoid contact with skin, eyes and clothing.

Personal protective equipment

Eye/face protection	Use protective goggles.
Hand protection	Compatible chemical-resistant gloves are recommended.
Skin protection	Suitable protective clothing are recommended.
Respiratory protection	Wear dust mask.

SECTION 9: Physical and chemical properties

9.1. Information on basic physical and chemical properties

Appearance	Free flowing, non-dusty micro-beads
Colour	White / beige
Odour	Coriander like
Odour Threshold	No data available
pH (concentrated product)	2.2 to 3.0 (10% w/w)
Melting point / range (°C)	60 - 70
Boiling point / range (°C)	No data available
Flash point (°C)	230 °C ASTM D 92/05 NOM 83/90
Evaporation rate	No data available
Flammability (solid, gas)	No data available
Ignition temperature (°C)	No data available
Explosive properties	Upper limit in air = no data available (%); Lower limit in air = no data available (%)

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Vapour pressure (20°C)	No data available (kPa at 25°C)
Vapour density	No data available (Air = 1)
Bulk density	660 to 740 (g/l)
Solubility in water (g/l) at 20°C	Not soluble
Solubility in solvents	No data available
Partition coefficient (log Po/w)	No data available
Minimum ignition energy	> 1000 MJ
Decomposition temperature	No data available
Viscosity, dynamic (20°C)	No data available
Other physical data	No data available

Note: These are typical values and do not constitute a specification

9.2. Other information

No information available.

SECTION 10: Stability and reactivity

10.1. Reactivity

Stable under recommended transport and storage conditions.

10.2. Chemical stability

Stable under normal temperatures and pressures.

10.3. Possibility of hazardous reactions

Hazardous reactions will not occur under normal transport or storage conditions.

10.4. Conditions to avoid

Incompatible materials. Sources of ignition. Light. Air. Excessive heat.

10.5. Incompatible materials

Avoid plastic or plexiglass equipment.

10.6. Hazardous decomposition products

No typical hazardous decomposition products known.

SECTION 11: Toxicological information

11.1. Information on toxicological effects

No information available.

SECTION 12: Ecological information

12.1. Toxicity

No data available.

12.2. Persistence and degradability

No data available.

12.3. Bioaccumulative potential

No data available.

12.4. Mobility in soil

No data available.

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12.5. Results of PBT and vPvB assessment

No data available.

12.6. Other adverse effects

No data available.

SECTION 13: Disposal considerations

13.1. Waste treatment methods

Disposal conditions Dispose of in accordance with local authority requirements.
Incineration is recommended. Can be incinerated together with domestic garbage.

SECTION 14: Transport information

	Land transport (ADR/RID)	Sea transport (IMDG)	Air transport (ICAO/IATA)
	Not dangerous goods according to international transport regulations.		
<u>14.1. UN Number</u>	N/A	N/A	N/A
<u>14.2. UN proper shipping name</u>	N/A	N/A	N/A
<u>14.3. Transport hazard class(es)</u>	N/A	N/A	N/A
<u>14.4. Packing group</u>	N/A	N/A	N/A
<u>14.5. Environmental hazards</u>	No	No	No
<u>14.6. Special precautions for user</u>	See section 2.2	See section 2.2	See section 2.2
<u>14.7. Transport in bulk according to Annex II of MARPOL 73/78 and the IBC Code</u>	N/A	N/A	N/A

SECTION 15: Regulatory information

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

EU regulatory information:

Premixture of natural and / or nature-identical flavouring compounds. All compounds of this mixture are listed on the Community Register of Feed Additives pursuant to Regulation (EC) No. 1831/2003.

EU labelling information:

Classification according to Directive 67/548/CEE and 1999/45CE



Irritant (Xi)



Corrosive (C)

R38 Irritating to skin

R41 Risk of serious damage to eyes

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National regulatory information:

No information available on the product as such.

15.2. Chemical safety assessment

Not carried out.

SECTION 16: Other information

Hazard statements:

H226:	Flammable liquid and vapour.
H303	May be harmful if swallowed.
H304:	May be fatal if swallowed and enters airways.
H315:	Causes skin irritation
H317:	May cause an allergic skin reaction.
H318:	Causes serious eye damage.
H319:	Causes serious eye irritation.
H411:	Toxic to aquatic life with long lasting effects.
H413	May cause long lasting harmful effects to aquatic life.

Information sources used in the elaboration of this Safety Data Sheet:

ECHA (European Chemicals Agency): C&L Inventory database (Summary of Classification and Labelling). The Joint Entry from a lead dossier of a REACH registration joint submission has been chosen.

Legal Disclaimer:

The above information is believed to be correct but does not purport to be all inclusive and shall be used only as a guide. It may not be valid if used with other product(s) or in any process. It remains the user's own responsibility to make sure that the information is appropriate and complete for his special use of this product. The company shall not be held liable for any damage resulting from handling or from contact with the above product.

Further information:

N/a.