SAFETY DATA SHEET

(LAVANDIN OIL GROSSO)

1. IDENTIFICATION OF THE SUBSTANCE/MIXTURE AND OF THE COMPANY/UNDERTAKING

1.1 Product Identifiers

Product Code: 1021
Product Name: LAVANDIN OIL GROSSO
CAS No.: 8022-15-9
Index No.: N/A
CLP Reference No.: N/A
REACH Pre-Registration No.: 294-470-6
EC No.: 2618

1.2 Use

Use in Flavour / Food Application.

1.3 Company / Undertaking Identification

Ultra International B.V.
Malledijk 3H, 3208 LA Spijkenisse, (Loods 12-15), Netherlands
Tel.: +3161 6915330  Fax.: +91-120 - 437 4000
E-mail: ultraintl.nl@ gmail.in  * www.ultrainternational.com

1.4 Emergency Telephone

+91-9810000844

2. HAZARD IDENTIFICATION

2.1 Classification of the substance / preparation

Classification according to Regulation (EC) No. 1272/2008 [CLP/GHS classification]

<table>
<thead>
<tr>
<th>HAZARD CATEGORY</th>
<th>HAZARD STATEMENTS</th>
</tr>
</thead>
<tbody>
<tr>
<td>Flammable Liquid 4</td>
<td>H227 COMBUSTIBLE LIQUID</td>
</tr>
<tr>
<td>Aquatic acute 2</td>
<td>H401 TOXIC TO AQUATIC LIFE</td>
</tr>
<tr>
<td>Aquatic Acute 3</td>
<td>H402 HARMFUL TO AQUATIC LIFE</td>
</tr>
<tr>
<td>Aquatic Chronic 3</td>
<td>H412 HARMFUL TO AQUATIC LIFE WITH LONG LASTING EFFECTS</td>
</tr>
</tbody>
</table>

Classification according to Directive 67/548/EEC or Directive 1999/45/EC

R43 MAY CAUSE SENSITIZATION BY SKIN CONTACT
R52/53 HARMFUL TO AQUATIC ORGANISMS, MAY CAUSE LONG-TERM ADVERSE EFFECTS IN THE AQUATIC ENVIRONMENT
R66 REPEATED EXPOSURE MAY CAUSE SKIN DRYNESS OR CRACKING

2.2 Label Elements

Label elements according to Regulation (EC) No. 1272/2008 (Substance)/Directive 67/548/EEC

Hazard Pictogram / Symbol:

N/A

Signal word / Indication(s) of danger:

WARNING

Hazard Pictogram / Symbol:

Xi IRRITANT

Hazard Statements

H227 COMBUSTIBLE LIQUID
H401 TOXIC TO AQUATIC LIFE
H402 HARMFUL TO AQUATIC LIFE
H412 HARMFUL TO AQUATIC LIFE WITH LONG LASTING EFFECTS

Precautionary Statements

P210 KEEP AWAY FROM HEAT/SPARKS/OPEN FLAMES/HOT SURFACES. – NO SMOKING
P264 WASH (HANDS/FACE) THOROUGHLY AFTER HANDLING
3. COMPOSITION / INFORMATION OF INGREDIENTS

<table>
<thead>
<tr>
<th>Substance Name</th>
<th>LAVANDIN OIL GROSSO</th>
</tr>
</thead>
<tbody>
<tr>
<td>Substance Description</td>
<td>This product is 100% essential oil.</td>
</tr>
<tr>
<td>Hazardous Components</td>
<td>Linalool (CAS Nº 78-70-6); Xi, R38</td>
</tr>
<tr>
<td></td>
<td>Limonene (CAS Nº 77-05-14-8); Xi,N;R10,R38,R43,R50/S3; Geraniol (CAS Nº 106-24-1); Xi;R38,R41,R43;</td>
</tr>
<tr>
<td>CAS No</td>
<td>8020-15-9</td>
</tr>
<tr>
<td>EC No</td>
<td>294-470-6</td>
</tr>
<tr>
<td>Botanical Name</td>
<td>Lavandula hybridia</td>
</tr>
<tr>
<td>Stabilizers</td>
<td>N/A</td>
</tr>
<tr>
<td>Hazard impurities</td>
<td>N/A</td>
</tr>
<tr>
<td>Synonyms</td>
<td>LAVANDIN OIL GROSSO</td>
</tr>
<tr>
<td></td>
<td>Lavandula officinalis</td>
</tr>
<tr>
<td>Index No.</td>
<td>N/A</td>
</tr>
<tr>
<td>CLP Reference No</td>
<td>---</td>
</tr>
<tr>
<td>REACH Pre-Registration No.</td>
<td>N/A</td>
</tr>
</tbody>
</table>

4. FIRST AID MEASURES

4.1 Description of First Aid Measures

| Eye Contact | Remove contact lenses if worn. Flush immediately with plenty of water. |
| Skin Contact | Remove contaminated clothing. Wash affected area with mild soap and water. |
| Inhalation  | Remove affected person to fresh air. If discomfort persists, consult physician. |
| Swallowing  | Seek immediate medical care. |

4.2 Indication of any immediate medical attention and special treatment method

IF SWALLOWED: Immediately call a POISON CENTER or Doctor/Physician. IF ON SKIN (or hair): Remove all contaminated clothing. Rinse skin with water/shower.

5. FIRE FIGHTING MEASURES

5.1 Extinguishing Media

- Suitable Carbon Dioxide; Dry Chemical; Universal Type Foam.
- Unsuitable Water spray; others not established.

5.2 Special hazards arising from substance

Combustible liquid Possibility of development of hazardous gases or vapors in event of fire Following may develop: CO and CO2

5.3 Advice for firefighters

Do not stay in dangerous zone without self protective clothing and breathing apparatus. Spray extinguishing media directly into base of fire. Cool containers exposed to flame with water. Prevent fire fighting water entering surface water or ground water.

6. ACCIDENTAL RELEASE MEASURES

6.1 Personal Precautions, protective equipment and emergency procedures

Wear personal protective clothing. Keep away unprotected individuals. Eliminate source of ignition. Keep area well ventilated and isolate the spill.

6.2 Environmental precautions

Prevent entry into drains, ground/surface water or sewerage system.

6.3 Methods and material for containment and cleaning up

Pick up with absorbents material (sand) or with pump for large spills.

6.4 Reference to other sections

Refer to Section 7, 8 & 13
7. HANDLING AND STORAGE

7.1 Precautions for safe handling

- Measures to prevent fire
  Keep away from heat/sparks/open flames/hot surfaces. - No smoking
  Use explosion proof electrical/ ventilating/lighting/equipment etc.
- Measures to prevent aerosols and dust generation
  Ensure good ventilation at workplaces
- Measures to protect the environment
  Prevent entry into drains, ground/surface water or sewerage system.
- General Occupational hygiene
  Wear protective gloves/protective clothing/eye protection/face protection. Take off contaminated clothing and wash before reuse.

7.2 Conditions for safe use, including any incompatibilities

- Information on storage conditions
  Should be stored in cool, dark, dry, well ventilated places in full, tightly sealed containers protected from light & source of ignition
- Information on packing materials
  Should be packed in Aluminium, HDPE Food Grade Cans, MS Coated Drums, and GI Drums, Avoid long contact with Iron
- Requirements for storage rooms and vessels
  Should be stored in suitable containers (lines inside) e.g. MS Coated Drums, GI Drums etc. No special requirement for storage rooms.

8. EXPOSURE CONTROLS AND PERSONAL PROTECTION

- Exposure controls
  8.1 Appropriate engineering controls
    Engineering controls should be used as the primary means to control exposures
  8.2 Personal protective equipments
    | Skin protection | Eye protection | Body protection | Respiratory protection |
    |-----------------|----------------|-----------------|-----------------------|
    | Safety gloves   | tight safety goggles | Protective clothing | Dust mask |

8.3 Environmental exposure controls

- Prevent entry into drains, ground/surface water or sewerage system.

9. PHYSICAL AND CHEMICAL PROPERTIES

- Appearance
  - Physical state: Liquid
  - Colour: Colorless to pale yellow
- Odour: Characteristic
- Odour Threshold: Medium
- pH: N/A
- Melting Point °C: N/A
- Boiling Point °C: N/A
- Flash Point (Closed Cup) °C: 74 °C
- Vapour Pressure: NA
- Vapour Density: NE
- Specific Gravity / Relative Density: 0.880 – 0.895 @20°C
- Refractive Index: 1.464 – 1.475 @20°C
- Optical Rotation: N/A
- Surface tension: N/A
- Solubility
  - Water: Insoluble
  - Alcohol: 1:1 in 90% ethanol
- Viscosity: Not estimated
- Partition Coefficient: Not estimated
Explosive Limits
- Lower Explosion Limit: N/A
- Upper Explosion Limit: N/A
Auto Ignition Temperature: N/A
Flammability: Combustible
Granulometry: N/A
Oxidising Properties: N/A

10. STABILITY AND REACTIVITY

10.1 Reactivity
Not reactive, stable at room temperature.

10.2 Chemical stability
Stable

10.3 Possibility of hazardous reactions
Reactions with strong oxidizers

10.4 Conditions to avoid
No decomposition if stored and handled properly

10.5 Incompatible materials
Avoid strong acids strong bases and all oxidising agents

10.6 Hazardous decomposition products
No dangerous decomposition products expected by intended use

11. TOXICOLOGICAL INFORMATION

11.1 Acute toxicity oral (LD50)
4250 mg/kg bw (Rat)

11.2 Acute toxicity inhalation
Not determined

11.3 Acute toxicity dermal (LD50)
>5000 mg/Kg bw (Rabbit)

11.4 Skin Irritation/Corrosion
Not determined

11.5 Respiratory sensitization
Not determined

11.6 Skin sensitization
N/A

11.7 CMR Effects
Carcinogenicity: No
Mutagenicity: No
Toxic to reproduction: No

11.8 Eye Irritation / Corrosion
Not determined

11.9 Exposure limits
There is a blanket recommendation of 10 mg/m3 for inspirable dusts or mists when limits have not otherwise been established.

12. ECOLOGICAL INFORMATION

12.1 Toxicity
PNEC Oral: Not determined
NOAEL: Not determined
EC50 (48hrs): Not determined
LC50 (96hrs): N/A

12.2 Persistence and degradability
Readily biodegradable in water

12.3 Mobility in Soil
Low mobility

12.4 Results of PBT and vPvB assessment
N/A

13. DISPOSAL CONSIDERATION

13.1 Waste treatment methods
Product/packaging disposal
Handle in accordance with official provisions

Waste treatment options
Recycling is preferred to disposal or burning

Waste code / Waste designations according to EWC/AVV
15 02 02*: absorbents, filter materials (including oil filters not otherwise specified), wiping cloths, protective clothing contaminated by dangerous substances

13.2 Recommendations
Empty contaminated packing thoroughly as they may be recycled
Moistened solids to be disposed off adhering to necessary technical regulations after consulting concerned authorities

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14. TRANSPORT INFORMATION

14.1 Land Transport (ADR/RID/GGVSE):

UN Number: Not regulated
DG Class: N/A
Packing Group: N/A
Proper Shipping Name: N/A
Classification Code: N/A
Hazard Labels: N/A

14.2 Sea Transport (IMDG-Code/GGVSee):

UN Number: Not regulated
DG Class: N/A
Packing Group: N/A
Proper Shipping Name: N/A
Marine Pollutant: N/A
Hazard Labels: N/A

14.3 Air Transport (ICAO-IAT/DGR):

UN Number: Not regulated
DG Class: N/A
Packing Group: N/A
Proper Shipping Name: N/A
Hazard Labels: N/A

14.4 Special precautions for users

Wear protective gloves/protective clothing/eye protection/face protection. Take off contaminated clothing and wash before reuse. Prevent entry into drains, ground/surface water or sewerage system.

14.5 Transport in bulk according to Annex II of MARPOL 73/78 and the IBC Code:
N/A

14.6 Other Information

Custom Tariff Code: 3301 23 0000
EmS Code: -

15. REGULATORY INFORMATION

EU regulations:
The product has been classified and labelled according to criteria provided in Directive 67/548/EEC and 1272/2008/EC, and following the recommendations of EFFA (European Flavor and Fragrance Association).

Other Regulations: German Regulation (VwVws)
Water Hazard Class: WGK 2

16. OTHER INFORMATION

16.1 Changes to previous version
Changes applicable according to regulation (EC) No 1907/2006 (REACH)

16.2 Abbreviations and acronyms

GHS: Globally Harmonized System of Classification and labeling of Chemicals
CAS: Chemical abstract Service (division of American Chemical society)
CLP: Classification, Labelling and Packaging
LD50: Lethal concentration, 50 percent
EC50: Effective concentration, 50 percent
PNEC: Predicted No Effect Concentration
NOAEL: No Observed Adverse Effect Levels
ADR: European Agreement concerning the International Carriage of Dangerous Goods by Road
RID: Regulations Concerning the International Transport of Dangerous Goods by Rail
16.4 Wording of relevant hazard statement and/or precautionary statements referred to in section 2 to 15

**Hazard Codes**

<table>
<thead>
<tr>
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<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>Xi</td>
<td>IRRITANT</td>
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**Risk Phrases**

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<th>Description</th>
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<td>R43</td>
<td>MAY CAUSE SENSITIZATION BY SKIN CONTACT</td>
</tr>
<tr>
<td>R52/53</td>
<td>HARMFUL TO AQUATIC ORGANISMS. MAY CAUSE LONG-TERM ADVERSE EFFECTS IN THE AQUATIC ENVIRONMENT</td>
</tr>
<tr>
<td>R66</td>
<td>REPEATED EXPOSURE MAY CAUSE SKIN DRYNESS OR CRACKING</td>
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</table>

**Safety Phrases**

<table>
<thead>
<tr>
<th>Code</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>S24</td>
<td>AVOID CONTACT WITH SKIN</td>
</tr>
<tr>
<td>S36/37</td>
<td>WEAR SUITABLE PROTECTIVE CLOTHING AND GLOVES</td>
</tr>
</tbody>
</table>

**Hazard Statements**

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<td>TOXIC TO AQUATIC LIFE</td>
</tr>
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<td>H402</td>
<td>HARMFUL TO AQUATIC LIFE</td>
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<td>H412</td>
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**Precautionary Statements**

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<th>Description</th>
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<tbody>
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<td>P210</td>
<td>KEEP AWAY FROM HEAT/SPARKS/OPEN FLAMES/HOT SURFACES. – NO SMOKING</td>
</tr>
<tr>
<td>P264</td>
<td>WASH (HANDS/FACE) THOROUGHLY AFTER HANDLING</td>
</tr>
<tr>
<td>P273</td>
<td>AVOID RELEASE TO THE ENVIRONMENT</td>
</tr>
<tr>
<td>P280</td>
<td>WEAR PROTECTIVE GLOVES/PROTECTIVE CLOTHING/EYE PROTECTION/FACE PROTECTION</td>
</tr>
<tr>
<td>P301+310</td>
<td>IF SWALLOWED: IMMEDIATELY CALL A POISON CENTER OR DOCTOR/PHYSICIAN</td>
</tr>
<tr>
<td>P302+352</td>
<td>IF ON SKIN: WASH WITH PLENTY OF SOAP AND WATER</td>
</tr>
<tr>
<td>P331</td>
<td>DO NOT INDUCE VOMITTING</td>
</tr>
<tr>
<td>P403+235</td>
<td>STORE IN A WELL-VENTILATED PLACE. KEEP COOL</td>
</tr>
<tr>
<td>P332+313</td>
<td>IF SKIN IRRITATION OCCURS: GET MEDICAL ADVICE/ATTENTION</td>
</tr>
<tr>
<td>P405</td>
<td>STORE LOCKED UP</td>
</tr>
<tr>
<td>P501</td>
<td>DISPOSE OF CONTENTS/CONTAINER TO ... (IN ACCORDANCE WITH LOCAL/REGIONAL/NATIONAL/INTERNATIONAL REGULATION).</td>
</tr>
</tbody>
</table>

**16.5 Training advice appropriate for workers**

N/A

**16.6 Quality Declaration**

The information contained herein is based on the present state of our knowledge. It characterizes the product with regards to the appropriate safety precaution. It does not represent a guarantee of the properties of the product.