





## Safety Data Sheet

according to Regulation (EC) No 1907/2006

### GLEIVO Beeswax No. 315

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#### 2.3. Other hazards

Always be sure to store and then dispose of cleaning cloths, polishing pads, sponges, etc. that are still wet or even slightly moist with LIVOS oil in an airtight metal container or in water, as there is a danger of spontaneous combustion caused by the plant oil content. The liquid or applied product itself will not combust spontaneously. In case of insufficient ventilation and use, explosive/flammable mixtures may develop.

### SECTION 3: Composition/information on ingredients

#### 3.2. Mixtures

##### Chemical characterization

Isoaliphates, beeswax, micronized wax, carnauba wax, linseed oil, orange oil, alumina, rosemary oil.

##### Hazardous components

CAS No	Chemical name	Quantity		
	EC No	Index No	REACH No	
	Classification according to Regulation (EC) No. 1272/2008 [CLP]			
90622-58-5	Isoaliphate			70 - < 90 %
	918-167-1		01-2119472146-39	
	Asp. Tox. 1; H304			
5989-27-5	limonene (orange oil)			.1 - < 1 %
	227-813-5	601-029-00-7		
	Flam. Liq. 3, Skin Irrit. 2, Skin Sens. 1, Aquatic Acute 1 (M-Factor = 1), Aquatic Chronic 1; H226 H315 H317 H400 H410			

Full text of H and EUH statements: see section 16.

### SECTION 4: First aid measures

#### 4.1. Description of first aid measures

##### General information

Remove contaminated, saturated clothing immediately.

##### After inhalation

Provide fresh air. In case of accident or unwellness, seek medical advice immediately (show directions for use or safety data sheet if possible).

##### After contact with skin

After contact with skin, wash immediately with plenty of water and soap. In case of skin irritation, consult a physician.

##### After contact with eyes

Rinse immediately carefully and thoroughly with eye-bath or water. In case of eye irritation consult an ophthalmologist.

##### After ingestion

Rinse mouth. Do NOT induce vomiting. Call a physician immediately.

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

No information available.

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

Treat symptomatically.

### SECTION 5: Firefighting measures

#### 5.1. Extinguishing media



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#### **Suitable extinguishing media**

Carbon dioxide (CO<sub>2</sub>), Extinguishing powder, Water spray jet. Co-ordinate fire-fighting measures to the fire surroundings.

#### **Unsuitable extinguishing media**

High power water jet

#### **5.2. Special hazards arising from the substance or mixture**

Always be sure to store and then dispose of cleaning cloths, polishing pads, sponges, etc. that are still wet or even slightly moist with LIVOS oil in an airtight metal container or in water, as there is a danger of spontaneous combustion caused by the plant oil content. The liquid or applied product itself will not combust spontaneously.

#### **5.3. Advice for firefighters**

In case of fire: Wear self-contained breathing apparatus. Wear full chemical protective clothing.

#### **Additional information**

Use water spray jet to protect personnel and to cool endangered containers. Suppress gases/vapours/mists with water spray jet. Collect contaminated fire extinguishing water separately. Do not allow entering drains or surface water.

### **SECTION 6: Accidental release measures**

#### **6.1. Personal precautions, protective equipment and emergency procedures**

Provide adequate ventilation. Use personal protection equipment.

#### **6.2. Environmental precautions**

Do not allow to enter into surface water or drains. Prevent spread over a wide area (e.g. by containment or oil barriers).

#### **6.3. Methods and material for containment and cleaning up**

Absorb with liquid-binding material (e.g. sand, diatomaceous earth, acid- or universal binding agents). Treat the recovered material as prescribed in the section on waste disposal.

#### **6.4. Reference to other sections**

Safe handling: see section 7

Personal protection equipment: see section 8

Disposal: see section 13

### **SECTION 7: Handling and storage**

#### **7.1. Precautions for safe handling**

##### **Advice on safe handling**

Keep container tightly closed. Provide adequate ventilation.

##### **Advice on protection against fire and explosion**

Protect from sunlight. Store in a well-ventilated place. Keep away from sources of ignition - No smoking. In case of insufficient ventilation and use, explosive/flammable mixtures may develop.

#### **7.2. Conditions for safe storage, including any incompatibilities**

##### **Requirements for storage rooms and vessels**

Keep container tightly closed in a cool, well-ventilated place.

##### **Advice on storage compatibility**

Keep away from combustible material.

### **SECTION 8: Exposure controls/personal protection**

#### **8.1. Control parameters**

#### **8.2. Exposure controls**



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#### Protective and hygiene measures

Remove contaminated, saturated clothing immediately. Draw up and observe skin protection programme. Wash hands and face before breaks and after work and take a shower if necessary. When using do not eat or drink.

#### Eyeface protection

Eye glasses with side protection

#### Hand protection

When handling with chemical substances, protective gloves must be worn with the CE-label including the four control digits. The quality of the protective gloves resistant to chemicals must be chosen as a function of the specific working place concentration and quantity of hazardous substances. For special purposes, it is recommended to check the resistance to chemicals of the protective gloves mentioned above together with the supplier of these gloves.

#### Skin protection

Wear suitable protective clothing.

#### Respiratory protection

In case of inadequate ventilation wear respiratory protection.

## SECTION 9: Physical and chemical properties

### 9.1. Information on basic physical and chemical properties

Physical state:	liquid
Colour:	transparent
Odour:	characteristic

#### Test method

pH-Value:	not applicable
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#### Changes in the physical state

Melting point:	not determined
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Flash point:	> 63 °C
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#### Flammability

Solid:	not applicable
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Gas:	not applicable
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#### Explosive properties

In case of insufficient ventilation and use, explosive/flammable mixtures may develop.

Lower explosion limits:

Upper explosion limits:

Ignition temperature:	>200 °C
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#### Auto-ignition temperature

Solid:	not applicable
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Gas:	not applicable
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Decomposition temperature:	not determined
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#### Oxidizing properties

No data available

Vapour pressure:	not determined
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Density (at 20 °C):	0,78 g/cm <sup>3</sup>
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Water solubility: The study does not need to be conducted because the substance is known to be insoluble in water

**Solubility in other solvents**  
not determined

Partition coefficient: not determined

Viscosity / kinematic:  
(at 20 °C) < 20,5 mm<sup>2</sup>/s

Vapour density: not determined

Evaporation rate: not determined

#### **9.2. Other information**

Solid content: not determined

### SECTION 10: Stability and reactivity

#### **10.1. Reactivity**

No hazardous reaction when handled and stored according to provisions.

#### **10.2. Chemical stability**

The product is stable under storage at normal ambient temperatures.

#### **10.3. Possibility of hazardous reactions**

No known hazardous reactions.

#### **10.4. Conditions to avoid**

Keep away from heat.

#### **10.5. Incompatible materials**

Do not mix with: Acid, Oxidising agent, strong.

#### **10.6. Hazardous decomposition products**

No known hazardous decomposition products.

### SECTION 11: Toxicological information

#### **11.1. Information on toxicological effects**

##### **Acute toxicity**

Based on available data, the classification criteria are not met.

CAS No	Chemical name	Exposure route	Method	Dose	Species	Source
90622-58-5	Isoaliphate	oral	LD50	> 5000 mg/kg	Rat	
		dermal	LD50	> 5000 mg/kg	Rabbit	
5989-27-5	limonene (orange oil)	oral	LD50	> 2000 mg/kg	Rat	
		dermal	LD50	> 2000 mg/kg	Rabbit	IUCLID

##### **Irritation and corrosivity**

Based on available data, the classification criteria are not met.

##### **Sensitising effects**

Based on available data, the classification criteria are not met.



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#### STOT-single exposure

Based on available data, the classification criteria are not met.

#### Severe effects after repeated or prolonged exposure

Based on available data, the classification criteria are not met.

#### Carcinogenic/mutagenic/toxic effects for reproduction

Based on available data, the classification criteria are not met.

#### Aspiration hazard

May be fatal if swallowed and enters airways.

#### Additional information on tests

The mixture is classified as hazardous according to regulation (EC) No 1272/2008 [CLP].

## SECTION 12: Ecological information

### 12.1. Toxicity

The product has not been tested.

CAS No	Chemical name	Method	Dose	[h]   [d]	Species	Source
90622-58-5	Isoaliphate					
	Acute fish toxicity	LC50	> 1000 mg/l	96 h	fish	
	Acute algae toxicity	ErC50	> 1000 mg/l	72 h	Algae	
	Acute crustacea toxicity	EC50	> 1000 mg/l	48 h	Daphnia magna	
5989-27-5	limonene (orange oil)					
	Acute fish toxicity	LC50	0,7 mg/l	96 h	Pimephales promelas	
	Acute crustacea toxicity	EC50	0,42 mg/l	48 h	Daphnia magna	

### 12.2. Persistence and degradability

The product has not been tested.

### 12.3. Bioaccumulative potential

The product has not been tested.

#### Partition coefficient n-octanol/water

CAS No	Chemical name	Log Pow
5989-27-5	limonene (orange oil)	4,23

### 12.4. Mobility in soil

1207.B120756

### 12.5. Results of PBT and vPvB assessment

The product has not been tested.

### 12.6. Other adverse effects

No information available.

#### Further information

Do not allow to enter into surface water or drains.

## SECTION 13: Disposal considerations

### 13.1. Waste treatment methods

#### Advice on disposal

Do not allow to enter into surface water or drains. Do not allow to enter into soil/subsoil. Dispose of waste according to applicable legislation. The allocation of waste identity numbers/waste descriptions must be carried out according to the EEC, specific to the industry and process.



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#### Contaminated packaging

Contaminated packages must be completely emptied and can be re-used following proper cleaning.  
Handle contaminated packages in the same way as the substance itself.

### SECTION 14: Transport information

#### Land transport (ADR/RID)

##### Other applicable information (land transport)

No dangerous good in sense of these transport regulations.

#### Inland waterways transport (ADN)

##### Other applicable information (inland waterways transport)

No dangerous good in sense of these transport regulations.

#### Marine transport (IMDG)

##### Other applicable information (marine transport)

No dangerous good in sense of these transport regulations.

#### Air transport (ICAO-TI/IATA-DGR)

##### Other applicable information (air transport)

No dangerous good in sense of these transport regulations.

#### 14.6. Special precautions for user

No information available.

#### 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

##### EU regulatory information

2010/75/EU (VOC): 88%

##### Additional information

To follow: 850/2004/EC, 79/117/EEC, 689/2008/EC

##### National regulatory information

Employment restrictions: Observe restrictions to employment for juvenils according to the 'juvenile work protection guideline' (94/33/EC). Observe employment restrictions under the Maternity Protection Directive (92/85/EEC) for expectant or nursing mothers.

Water contaminating class (D): 1 - slightly water contaminating

#### 15.2. Chemical safety assessment

Chemical safety assessments for substances in this mixture were not carried out.

### SECTION 16: Other information

#### Changes

This data sheet contains changes from the previous version in section(s):  
2,3,4,5,6,7,8,9,10,11,12,13,14,15,16.

#### Abbreviations and acronyms

ADR: Accord européen sur le transport des marchandises dangereuses par Route  
(European Agreement concerning the International Carriage of Dangerous Goods by Road)  
IMDG: International Maritime Code for Dangerous Goods



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IATA: International Air Transport Association

GHS: Globally Harmonized System of Classification and Labelling of Chemicals

EINECS: European Inventory of Existing Commercial Chemical Substances

ELINCS: European List of Notified Chemical Substances

CAS: Chemical Abstracts Service

LC50: Lethal concentration, 50%

LD50: Lethal dose, 50%

#### Relevant H and EUH statements (number and full text)

H226	Flammable liquid and vapour.
H304	May be fatal if swallowed and enters airways.
H315	Causes skin irritation.
H317	May cause an allergic skin reaction.
H400	Very toxic to aquatic life.
H410	Very toxic to aquatic life with long lasting effects.
EUH208	Contains limonene (orange oil) . May produce an allergic reaction.

#### Further Information

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.

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*(The data for the hazardous ingredients were taken respectively from the last version of the sub-contractor's safety data sheet.)*