



(REACH regulation (EC) n°1907/2006 - n°2015/853)

I – IDENTIFICATION OF THE SUBSTANCE/MIXTURE AND OF THE COMPANY/UNDERTAKING

I.I - PRODUCT IDENTIFIER

Product name MISTRAL
Product code OLMIX-017

I.II - RELEVANT IDENTIFIED USES OF THE SUBSTANCE OR MIXTURE AND USES ADVISED AGAINST

Dessicant litter conditioner for livestock

I.III - DETAILS OF THE SUPPLIER OF THE SAFETY DATA SHEET

Registered company name OLMIX S.A.
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Email contact@olmix.com
<http://www.olmix.com>
I.IV - EMERGENCY PHONE NUMBER +33 (0)1 45 42 59 59
Association/Organisation INRS / ORFILA
<http://www.centres-antipoison.net>

II – HAZARDS IDENTIFICATION

II.I - CLASSIFICATION OF THE SUBSTANCE OR MIXTURE

In compliance with EC regulation No. 1272/2008 and its amendments.

This mixture does not present a physical hazard. Refer to the recommendations regarding the other products present on the site.

This mixture does not present a health hazard with the exception of possible occupational exposure thresholds (see paragraphs 3 and 8).

The mixture does not present an environmental hazard. No known or foreseeable environmental damage under standard conditions of use.

II.II - LABEL ELEMENTS

In compliance with EC regulation No. 1272/2008 and its amendments.

No labelling requirements for this mixture.

II.III - OTHER HAZARDS

In use, may form flammable/explosive dust-air mixture.

The mixture does not contain substances classified as 'Substances of Very High Concern' (SVHC) $\geq 0.1\%$ published by the European Chemicals Agency (ECHA) under article 57 of REACH: <http://echa.europa.eu/fr/candidate-list-table>.

The mixture satisfies neither the PBT nor the vPvB criteria for mixtures in accordance with annexe XIII of the REACH regulations EC 1907/2006.



III – COMPOSITION/INFORMATION ON INGREDIENTS

III.II - MIXTURES

Composition:

IDENTIFICATION	(EC) 1272/2008	Note	%
CAS: 14808-60-7 EC: 238-878-4 QUARTZ (SIO ₂)		[1]	1 ≤ x % < 2.5
CAS: 80-56-8 EC: 201-291-9 REACH: 01-2119519223-49 ALPHA-PINENE X	GHS08, GHS02, GHS07 Dgr Asp. Tox. 1, H304 Flam. Liq. 3, H226 Skin Irrit. 2, H315 Skin Sens. 1B, H317	[1]	0 ≤ x % < 1
CAS: 138-86-3 EC: 205-341-0 DL-LIMONENE (RACEMIC)	GHS08, GHS02, GHS07, GHS09 Dgr Asp. Tox. 1, H304 Flam. Liq. 3, H226 Skin Irrit. 2, H315 Skin Sens. 1B, H317 Aquatic Acute 1, H400 M Acute = 1 Aquatic Chronic 1, H410 M Chronic = 1	[1]	0 ≤ x % < 1
CAS: 5989-27-5 EC: 227-813-5 D-LIMONENE	GHS08, GHS02, GHS07, GHS09 Dgr Asp. Tox. 1, H304 Flam. Liq. 3, H226 Skin Irrit. 2, H315 Skin Sens. 1B, H317 Aquatic Acute 1, H400 M Acute = 1 Aquatic Chronic 1, H410 M Chronic = 1	[1]	0 ≤ x % < 1
CAS: 127-91-3 EC: 204-872-5 B-PINENE	GHS08, GHS02, GHS07 Dgr Asp. Tox. 1, H304 Flam. Liq. 3, H226 Skin Irrit. 2, H315 Skin Sens. 1B, H317	[1]	0 ≤ x % < 1
CAS: 13466-78-9 EC: 236-719-3 DELTA-3-CARENE	GHS08, GHS02, GHS07 Dgr Asp. Tox. 1, H304 Flam. Liq. 3, H226 Skin Irrit. 2, H315 Skin Sens. 1B, H317	[1]	0 ≤ x % < 1

Information on ingredients: [1] Substance for which maximum workplace exposure limits are available.



IV – First Aid MEASURES

As a general rule, in case of doubt or if symptoms persist, always call a doctor.

NEVER induce swallowing by an unconscious person.

IV.I - DESCRIPTION OF FIRST AID MEASURES

In the event of splashes or contact with eyes :

Wash thoroughly with soft, clean water for 15 minutes holding the eyelids open.

If there is any redness, pain or visual impairment, consult an ophtalmologist.

In the event of splashes or contact with skin:

Watch out for any remaining product between skin and clothing, watches, shoes, etc.

In the event of swallowing:

Seek medical attention, showing the label.

IV.II - MOST IMPORTANT SYMPTOMS AND EFFECTS, BOTH ACUTE AND DELAYED

No data available.

IV.III - INDICATION OF ANY IMMEDIATE MEDICAL ATTENTION AND SPECIAL TREATMENT NEEDED

No data available.

V – FIREFIGHTING MEASURES

Non-flammable

V.I - EXTINGUISHING MEDIA: No data available.

V.II - SPECIAL HAZARDS ARISING FROM THE SUBSTANCE OR MIXTURE

A fire will often produce a thick black smoke. Exposure to decomposition products may be hazardous to health.

Do not breathe in smoke.

In the event of a fire, the following may be formed:

- carbon monoxide (CO)
- carbon dioxide (CO₂)

V.III - ADVICE FOR FIREFIGHTERS

Due to the toxicity of the gas emitted on thermal decomposition of the products, fire-fighting personnel are to be equipped with autonomous insulating breathing apparatus.

VI – ACCIDENTAL RELEASE MEASURES

VI.I - PERSONAL PRECAUTIONS, PROTECTIVE EQUIPMENT AND EMERGENCY PROCEDURES

Consult the safety measures listed under headings 7 and 8.

For first aid worker : First aid workers will be equipped with suitable Personal Protective Equipment (See section 8).

VI.II - ENVIRONMENTAL PRECAUTIONS

Prevent any material from entering drains or waterways.

VI.III - METHODS AND MATERIAL FOR CONTAINMENT AND CLEANING UP

Retrieve the product by mechanical means (sweeping/vacuuming): do not generate dust.

VI.IV - REFERENCE TO OTHER SECTIONS

No data available.

VII – HANDLING AND STORAGE

Requirements relating to storage premises apply to all facilities where the mixture is handled.

VII.I - PRECAUTIONS FOR SAFE HANDLING

Always wash hands after handling.

Fire prevention: Prevent access by unauthorised personnel.

Recommended equipment and procedures: For personal protection, see section 8. Observe precautions stated on label and also industrial safety regulations.

Prohibited equipment and procedures: No smoking, eating or drinking in areas where the mixture is used.

VII.II - CONDITIONS FOR SAFE STORAGE, INCLUDING ANY INCOMPATIBILITIES



No data available.

Packaging: Always keep in packaging made of an identical material to the original.

VII.III - SPECIFIC END USE(S)

No data available.

VIII - EXPOSURE CONTROLS/PERSONAL PROTECTION

VIII.I - CONTROL PARAMETERS

Occupational exposure limits:

- ACGIH TLV (American Conference of Governmental Industrial Hygienists, Threshold Limit Values, 2010):

CAS:	TWA:	STEL:	Ceiling:	Definition:	Criteria:
14808-60-7	0.05 mg/m ³	-	-	-	R
80-56-8	20 ppm	-	-	-	-
127-91-3	20 ppm	-	-	-	-
13466-78-9	20 ppm	-	-	-	-

- Belgium (Order of 19/05/2009, 2010):

CAS :	TWA:	STEL:	Ceiling:	Definition:	Criteria:
14808-60-7	0.1 mg/m ³	-	-	-	-

- France (INRS - ED984 :2008):

CAS:	VME-ppm:	VME-mg/m ³ :	VLE-ppm:	VLE-mg/m ³ :	Notes:	TMP No:
14808-60-7	-	0.1 A	-	-	-	25

- Switzerland (SUVA 2009):

CAS:	VME-mg/m ³ :	VME-ppm:	VLE-mg/m ³ :	VLE-ppm:	Temps:	RSB:
14808-60-7	0,15 a	-	-	-	-	-
5989-27-5	110	20	220	40	4x15	S

- UK / WEL (Workplace Exposure Limits, EH40/2005, 2007):

CAS:	TWA:	STEL:	Ceiling:	Definition:	Criteria:
14808-60-7	0.3 mg/m ³	-	-	-	R

- USA / AIHA WEEL (American Industrial Hygiene Association, Workplace Environmental Exposure Limit, 2010) :

CAS	TWA :	STEL :	Ceiling :	Définition :	Critères :
138-86-3	30 ppm	-	-	-	-

VIII.II - EXPOSURE CONTROLS

Personal protection measures, such as Personal Protective Equipment:

Pictogram(s) indicating the obligation of wearing Personal Protective Equipment (PPE):



Use Personal Protective Equipment that is clean and has been properly maintained.

Store Personal Protective Equipment in a clean place, away from the work area.

Never eat, drink or smoke during use. Remove and wash contaminated clothing before re-using. Ensure that there is adequate ventilation, especially in confined areas.

- Eye/face protection:

Avoid contact with eyes.

Before handling powders or dust emission, wear mask goggles in accordance with standard EN166.

- Hand protection:

Wear suitable protective gloves in the event of prolonged or repeated skin contact.



- Body protection:

Work clothing worn by personnel shall be laundered regularly.

After contact with the product, all parts of the body that have been soiled must be washed.

- Respiratory protection:

Avoid breathing dust.

Type of FFP mask: Wear a disposable half-mask dust filter in accordance with standard EN149.

IX – PHYSICAL AND CHEMICAL PROPERTIES

IX.I - INFORMATION ON BASIC PHYSICAL AND CHEMICAL PROPERTIES

General Information:

Physical state: Powder

Important health, safety and environmental information:

pH (aqueous solution): 9 +/-10%

pH: Not relevant

Flash point interval: Not relevant

Vapour pressure (50°C): Not relevant

Density: 1.1 +/-10%

Water solubility: Insoluble

IX.II - OTHER INFORMATION: No data available.

X – STABILITY AND REACTIVITY

X.I - REACTIVITY

No data available.

X.II - CHEMICAL STABILITY

This mixture is stable under the recommended handling and storage conditions in section 7.

X.III - POSSIBILITY OF HAZARDOUS REACTIONS

No data available.

X.IV - CONDITIONS TO AVOID

Avoid: formation of dusts. Dusts can form an explosive mixture with air.

X.V - INCOMPATIBLE MATERIALS

No data available.

X.VI - HAZARDOUS DECOMPOSITION PRODUCTS

The thermal decomposition may release/form:

- carbon monoxide (CO)

- carbon dioxide (CO₂)

XI – TOXICOLOGICAL INFORMATION

XI.I - INFORMATION ON TOXICOLOGICAL EFFECTS: No data available.

XI.I.I. SUBSTANCES

Acute toxicity :

DELTA-3-CARENE (CAS: 13466-78-9)

Oral route: LD50 = 4800 mg/kg

ALPHA-PINENE X (CAS: 80-56-8)

Oral route: LD50 = 3500 mg/kg

XI.I.II - MIXTURE

No toxicological data available for the mixture.

XII – ECOLOGICAL INFORMATION

XII.I – TOXICITY



XII.I.II - MIXTURES

No aquatic toxicity data available for the mixture.

XII.II - PERSISTENCE AND DEGRADABILITY

XII.III - BIOACCUMULATIVE POTENTIAL

No data available.

XII.IV - MOBILITY IN SOIL

No data available.

XII.V - RESULTS OF PBT AND VPVB ASSESSMENT

No data available.

XII.VI - OTHER ADVERSE EFFECTS

No data available.

German regulations concerning the classification of hazards for water (WGK):

WGK 2 (VwVwS vom 27/07/2005, KBWs): Hazardous for water.

XIII - DISPOSAL CONSIDERATIONS

Proper waste management of the mixture and/or its container must be determined in accordance with Directive 2008/98/EC.

XIII.I - WASTE TREATMENT METHODS

Do not pour into drains or waterways.

Waste:

Waste management is carried out without endangering human health, without harming the environment and, in particular without risk to water, air, soil, plants or animals. Recycle or dispose of waste in compliance with current legislation, preferably via a certified collector or company.

Do not contaminate the ground or water with waste, do not dispose of waste into the environment.

Soiled packaging:

Empty container completely. Keep label(s) on container.

Give to a certified disposal contractor.

XIV - TRANSPORT INFORMATION

Exempt from transport classification and labelling.

Transport product in compliance with provisions of the ADR for road, RID for rail, IMDG for sea and ICAO/IATA for air transport (ADR 2015 - IMDG 2014 - ICAO/IATA 2015).

XV - REGULATORY INFORMATION

XV.I - SAFETY, HEALTH AND ENVIRONMENTAL REGULATIONS/LEGISLATION SPECIFIC FOR THE SUBSTANCE OR MIXTURE

- Classification and labelling information included in section 2:

The following regulations have been used:

- Directive 67/548/EEC and its adaptations
- Directive 1999/45/EC and its adaptations
- EU Regulation No. 1272/2008 amended by EU Regulation No. 487/2013
- EU Regulation No. 1272/2008 amended by EU Regulation No. 758/2013
- EU Regulation No. 1272/2008 amended by EU Regulation No. 944/2013
- EU Regulation No. 1272/2008 amended by EU Regulation No. 605/2014

- **Container information:** No data available.

- **Particular provisions:** No data available.

- German regulations concerning the classification of hazards for water (WGK):

WGK 2 (VwVwS vom 27/07/2005, KBWs): Hazardous for water.

- **Standardised American system for the identification of hazards presented by the product in view of emergency procedures (NFPA 704):**

mistral



NFPA 704, Labelling: Health=0 Inflammability=1 Instability/Reactivity=1 Specific risk=none



- Swiss ordinance on the incentive tax on volatile organic compounds:

99-87-6 p-cymène
5989-27-5 D-limonène ([R]-p-mentha-1,8-diene)
138-86-3 DL-limonène ([RS]-p-mentha-1,8-diene)

XV.II - CHEMICAL SAFETY ASSESSMENT

No data available.

XVI – OTHER INFORMATION

Since the user's working conditions are not known by us, the information supplied on this safety data sheet is based on our current level of knowledge and on national and community regulations.

The mixture must not be used for other uses than those specified in section 1 without having first obtained written handling instructions.

It is all the times the responsibility of the user to take all necessary measures to comply with legal requirements and local regulations.

The information in this safety data sheet must be regarded as a description of the safety requirements relating to the mixture and not as a guarantee of the properties thereof.

Wording of the phrases mentioned in section 3:

H226 Flammable liquid and vapour.
H304 May be fatal if swallowed and enters airways.
H315 Cause 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.

Abbreviations:

ADR: European agreement concerning the international carriage of dangerous goods by Road
IMDG: International Maritime Dangerous Goods
IATA: International Air Transport Association
ICAO: International Civil Aviation Organisation
RID: Regulations concerning the International carriage of Dangerous goods by rail
WGK: Wassergefährdungsklasse (Water Hazard Class)
PBT: Persistent, biocculable and toxic
vPvB: Very persistent, very bioccumable
SVHC: Substances of very high concern.

