

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

#### 1.1. Product identifier

Product form : Mixture  
 Product name : enziMed DRY  
 Product code : OL20609  
 Type of product : Detergent

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

##### 1.2.1. Relevant identified uses

Main use category : Professional use

##### 1.2.2. Uses advised against

No additional information available

#### 1.3. Details of the supplier of the safety data sheet

OneLIFE S.A.  
 Avenue Albert Einstein, 15  
 B-1348 Louvain-la-Neuve - Belgium  
 T +32 (0)10 48 34 27 - F +32 (0)10 45 63 63  
[info@onelife-bf.com](mailto:info@onelife-bf.com) - [www.onelife-bf.com](http://www.onelife-bf.com)

#### 1.4. Emergency telephone number

Emergency number : Int+32-70-245.245

Country	Organisation/Company	Address	Emergency number	Comment
	Centre Anti-Poisons/Antigifcentrum c/o Hôpital Central de la Base - Reine Astrid	Rue Bruyn B -1120 Brussels	+32 70 245 245	

### SECTION 2: Hazards identification

#### 2.1. Classification of the substance or mixture

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

Skin corrosion/irritation, Category 1A H314

Serious eye damage/eye irritation, Category 1 H318

1

Full text of H statements : see section 16

##### Adverse physicochemical, human health and environmental effects

No additional information available

#### 2.2. Label elements

##### Labelling according to Regulation (EC) No. 1272/2008 [CLP]

Hazard pictograms (CLP) :



GHS05

Signal word (CLP) :

Danger

Hazardous ingredients :

Citric acid monohydrate

Hazard statements (CLP) :

H314 - Causes severe skin burns and eye damage

Precautionary statements (CLP) :

P280 - Wear protective gloves, eye protection, face protection  
 P301+P330+P331 - IF SWALLOWED: rinse mouth. Do NOT induce vomiting  
 P303+P361+P353 - IF ON SKIN (or hair): Take off immediately all contaminated clothing. Rinse skin with water/shower  
 P305+P351+P338 - IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing  
 P310 - Immediately call a POISON CENTER, a doctor  
 P501 - Dispose of contents/container to hazardous or special waste collection point

# enziMed DRY

## Safety Data Sheet

according to Regulation (EC) No. 453/2010

### 2.3. Other hazards

No additional information available

## SECTION 3: Composition/information on ingredients

### 3.1. Substances

Not applicable

### 3.2. Mixtures

Name	Product identifier	%	Classification according to Directive 67/548/EEC	Classification according to Regulation (EC) No. 1272/2008 [CLP]
Citric acid monohydrate	(CAS-No.) 5949-29-1 (EC-No.) 201-069-1	10 - 50	Xi; R36	Eye Irrit. 2, H319
alcohols, C12-C15, ethoxylated, propoxylated	(CAS-No.) 120313-48-6	1 - 3	Xi; R41 Xi; R38 N; R50	Skin Irrit. 2, H315 Eye Dam. 1, H318 Aquatic Acute 1, H400 Aquatic Chronic 3, H412

Full text of R- and H-statements: see section 16

## SECTION 4: First aid measures

### 4.1. Description of first aid measures

First-aid measures general	: If you feel unwell, seek medical advice (show the label where possible). If on skin, take off contaminated clothing.
First-aid measures after inhalation	: Remove victim to fresh air. Assure fresh air breathing. If not breathing, give artificial respiration.
First-aid measures after skin contact	: Wash with plenty of soap and water.
First-aid measures after eye contact	: IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. Remove contact lenses, if present and easy to do. Continue rinsing.
First-aid measures after ingestion	: Rinse mouth.

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

Symptoms/effects after inhalation	: Cough. Sore throat. Shortness of breath.
Symptoms/effects after skin contact	: Irritating to skin.
Symptoms/effects after eye contact	: Redness, pain. Blurred vision.
Symptoms/effects after ingestion	: Abdominal pain, nausea. Gastrointestinal complaints.

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

Treat symptomatically.

## SECTION 5: Firefighting measures

### 5.1. Extinguishing media

Suitable extinguishing media	: Alcohol resistant foam. Carbon dioxide. Water spray. Dry powder.
Unsuitable extinguishing media	: Do not use a heavy water stream.

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

Fire hazard	: This product is flammable.
Explosion hazard	: Product is not explosive.
Hazardous decomposition products in case of fire	: Toxic vapours. fume. Carbon oxides (CO, CO <sub>2</sub> ).

### 5.3. Advice for firefighters

Precautionary measures fire	: Self-contained breathing apparatus when in close proximity to fire.
Firefighting instructions	: Exercise caution when fighting any chemical fire. Prevent fire fighting water from entering the environment. Use water spray or fog for cooling exposed containers.
Protection during firefighting	: Do not enter fire area without proper protective equipment, including respiratory protection.

## SECTION 6: Accidental release measures

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

General measures	: Remove ignition sources. Ventilate area.
------------------	--------------------------------------------

#### 6.1.1. For non-emergency personnel

Protective equipment	: Personal protection. See Heading 8.
Emergency procedures	: Avoid inhalation of vapours and fumes. Evacuate area.

# enziMed DRY

## Safety Data Sheet

according to Regulation (EC) No. 453/2010

### 6.1.2. For emergency responders

Protective equipment : Personal protection. See Heading 8. Equip cleanup crew with proper protection.  
Emergency procedures : Mark the danger area. Stop leak if safe to do so.

### 6.2. Environmental precautions

Avoid release to the environment. Prevent entry to sewers and public waters.

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

For containment : Dike for recovery or absorb with appropriate material.  
Methods for cleaning up : Soak up spills with inert solids, such as clay or diatomaceous earth as soon as possible. Rinse with plenty of water.  
Other information : Never return spills in original containers for possible later re-use.

### 6.4. Reference to other sections

See Heading 8.

## SECTION 7: Handling and storage

### 7.1. Precautions for safe handling

Precautions for safe handling : Do not get in eyes, on skin, or on clothing. Do not eat, drink or smoke when using this product. Do not breathe Vapours. Use only non-sparking tools.  
Hygiene measures : Wash hands and other exposed areas with mild soap and water before eating, drinking or smoking and when leaving work. Wash contaminated clothing before reuse.

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

Technical measures : Provide for a tub to collect spills.  
Storage conditions : Keep in a cool, well-ventilated place. Keep container closed when not in use.  
Incompatible products : None to our knowledge.  
Incompatible materials : None to our knowledge.  
Storage temperature : 4 - 25 °C  
Heat and ignition sources : Keep away from sources of ignition - No smoking.  
Storage area : Store away from heat. Store in a well-ventilated place.  
Special rules on packaging : Keep only in original container. Do not store in corrodable metal. Store in a closed container.  
Packaging materials : PEHD.

### 7.3. Specific end use(s)

Wash.

## SECTION 8: Exposure controls/personal protection

### 8.1. Control parameters

No additional information available

### 8.2. Exposure controls

#### Appropriate engineering controls:

Provide local exhaust or general room ventilation.

#### Personal protective equipment:

Insulated gloves. Safety glasses.

#### Materials for protective clothing:

No special clothing/skin protection equipment is recommended under normal conditions of use.

#### Hand protection:

Wear suitable gloves resistant to chemical penetration. (EN 374)

#### Eye protection:

Eye protection (standard EN 166)

#### Skin and body protection:

No special clothing/skin protection equipment is recommended under normal conditions of use.

#### Respiratory protection:

In case of insufficient ventilation, wear suitable respiratory equipment

# enziMed DRY

## Safety Data Sheet

according to Regulation (EC) No. 453/2010



### Thermal hazard protection:

None necessary.

### Environmental exposure controls:

Prevent entry to sewers and public waters. Avoid release to the environment.

### Other information:

Emergency eye wash fountains should be available in the immediate vicinity of any potential exposure. The equipment must be cleaned thoroughly after each use.

## SECTION 9: Physical and chemical properties

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

Physical state	: Liquid
Colour	: Colourless.
Odour	: No data available
Odour threshold	: Not determined
pH	: 1,5 - 2,5
Relative evaporation rate (butylacetate=1)	: The product has not been tested
Relative evaporation rate (ether=1)	: The product has not been tested
Melting point	: The product has not been tested
Freezing point	: The product has not been tested
Boiling point	: The product has not been tested
Flash point	: The product has not been tested
Critical temperature	: Not applicable
Auto-ignition temperature	: The product has not been tested
Decomposition temperature	: Not applicable
Flammability (solid, gas)	: Not applicable
Vapour pressure	: The product has not been tested
Relative vapour density at 20 °C	: The product has not been tested
Relative density	: 1 - 1,1
Solubility	: Material highly soluble in water.
Log Pow	: The product has not been tested
Viscosity, kinematic	: The product has not been tested
Viscosity, dynamic	: The product has not been tested
Explosive properties	: Product is not explosive.
Oxidising properties	: Not applicable.
Explosive limits	: No data available

### 9.2. Other information

No additional information available

## SECTION 10: Stability and reactivity

### 10.1. Reactivity

Stable in use and storage conditions as recommended in item 7.

### 10.2. Chemical stability

Stable in use and storage conditions as recommended in item 7.

### 10.3. Possibility of hazardous reactions

Not known.

### 10.4. Conditions to avoid

High temperature.

### 10.5. Incompatible materials

None to our knowledge.

# enziMed DRY

## Safety Data Sheet

according to Regulation (EC) No. 453/2010

### 10.6. Hazardous decomposition products

Thermal decomposition generates : Carbon oxides (CO, CO<sub>2</sub>).

## SECTION 11: Toxicological information

### 11.1. Information on toxicological effects

Acute toxicity (oral) : Not classified  
Acute toxicity (dermal) : Not classified  
Acute toxicity (inhalation) : Not classified

<b>Citric acid monohydrate (5949-29-1)</b>	
LD50 oral rat	3000 mg/kg

<b>alcohols, C12-C15, ethoxylated, propoxylated (120313-48-6)</b>	
LD50 oral rat	> 2000 mg/kg
LD50 dermal rat	> 2000 mg/kg

Skin corrosion/irritation : Causes severe skin burns and eye damage.

pH: 1,5 - 2,5

Serious eye damage/irritation : Causes serious eye damage.

pH: 1,5 - 2,5

Respiratory or skin sensitisation : Not classified

Germ cell mutagenicity : Not classified

Carcinogenicity : Not classified

Reproductive toxicity : Not classified

STOT-single exposure : Not classified

STOT-repeated exposure : Not classified

<b>Citric acid monohydrate (5949-29-1)</b>	
NOAEL, oral, rat	1200 mg/kg bw/day (24 months)

Aspiration hazard : Not classified

## SECTION 12: Ecological information

### 12.1. Toxicity

Acute aquatic toxicity : Not classified

Chronic aquatic toxicity : Not classified

<b>Citric acid monohydrate (5949-29-1)</b>	
LC50, Fish, <i>Leuciscus idus</i> (golden orfe)	440-760 mg/l (96 Hours)
EC50, daphnia, <i>Daphnia magna</i>	120 mg/l (72 Hours)
EC0, algae, <i>Scenedesmus quadricauda</i>	640 mg/l (7 days)
EC50, Bacteria, <i>Pseudomonas putida</i>	> 10000 mg/l

<b>alcohols, C12-C15, ethoxylated, propoxylated (120313-48-6)</b>	
LC50 fish 1	0,1 - 1 mg/l ( <i>Branchydanio rerio</i> )(OECD 203 method)
LC50, Fish, <i>Branchydanio rerio</i>	0,1-1 mg/l (96 Hours)
EC50, aquatic invertebrates	1-10 mg/l (48 Hours)
EC50, algae, acute, <i>Scenedesmus subspicatus</i>	0.1-1 mg/l (72 Hours, (OCDE 201))
EC10, microorganisms, <i>Pseudomonas putida</i>	> 1000 mg/l
EC10, long term, <i>Scenedesmus subspicatus</i>	0.1 - 1 mg/l

### 12.2. Persistence and degradability

<b>Citric acid monohydrate (5949-29-1)</b>	
Persistence and degradability	Biodegradable.

<b>alcohols, C12-C15, ethoxylated, propoxylated (120313-48-6)</b>	
Persistence and degradability	Biodegradable.
Biochemical oxygen demand (BOD)	0,31 g O <sub>2</sub> /g substance
Chemical oxygen demand (COD)	2,215 g O <sub>2</sub> /g substance
Biodegradation	>= 90 % Biodegradable.

# enziMed DRY

## Safety Data Sheet

according to Regulation (EC) No. 453/2010

### 12.3. Bioaccumulative potential

<b>enziMed DRY</b>	
Log Pow	The product has not been tested
<b>Citric acid monohydrate (5949-29-1)</b>	
Log Kow	-1,67
<b>alcohols, C12-C15, ethoxylated, propoxylated (120313-48-6)</b>	
Bioaccumulative potential	Slightly or not bioaccumulative.

### 12.4. Mobility in soil

<b>alcohols, C12-C15, ethoxylated, propoxylated (120313-48-6)</b>	
Ecology - soil	Adsorbs into the soil.

### 12.5. Results of PBT and vPvB assessment

No additional information available

### 12.6. Other adverse effects

No additional information available

## SECTION 13: Disposal considerations

### 13.1. Waste treatment methods

Regional legislation (waste)	: Disposal must be done according to official regulations.
Waste treatment methods	: Remove to an authorized waste treatment plant.
Sewage disposal recommendations	: May be discharged to wastewater treatment installation.
Product/Packaging disposal recommendations	: WHEN TOTALLY EMPTY, containers are recyclable like any other packing. Dispose of contents/container to hazardous or special waste collection point.
Ecology - waste materials	: Avoid release to the environment.

## SECTION 14: Transport information

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

ADR	IMDG	IATA	ADN	RID
<b>14.1. UN number</b>				
Not applicable	Not applicable	Not applicable	Not applicable	Not applicable
<b>14.2. UN proper shipping name</b>				
Not applicable	Not applicable	Not applicable	Not applicable	Not applicable
<b>14.3. Transport hazard class(es)</b>				
Not applicable	Not applicable	Not applicable	Not applicable	Not applicable
<b>14.4. Packing group</b>				
Not applicable	Not applicable	Not applicable	Not applicable	Not applicable
<b>14.5. Environmental hazards</b>				
Not applicable	Not applicable	Not applicable	Not applicable	Not applicable
No supplementary information available				

### 14.6. Special precautions for user

#### - 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

# enziMed DRY

## Safety Data Sheet

according to Regulation (EC) No. 453/2010

### 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

Detergent Regulation : Labelling of contents:

Component	%
non-ionic surfactants, phosphonates	<5%

##### 15.1.2. National regulations

No additional information available

#### 15.2. Chemical safety assessment

No chemical safety assessment has been carried out for the substance or the mixture by the supplier

### SECTION 16: Other information

Indication of changes:

according to Regulation (EC) No. 453/2010.

Full text of R-, H- and EUH-statements:

Aquatic Acute 1	Hazardous to the aquatic environment — Acute Hazard, Category 1
Aquatic Chronic 3	Hazardous to the aquatic environment — Chronic Hazard, Category 3
Eye Dam. 1	Serious eye damage/eye irritation, Category 1
Eye Irrit. 2	Serious eye damage/eye irritation, Category 2
Skin Irrit. 2	Skin corrosion/irritation, Category 2
H314	Causes severe skin burns and eye damage
H315	Causes skin irritation
H318	Causes serious eye damage
H319	Causes serious eye irritation
H400	Very toxic to aquatic life
H412	Harmful to aquatic life with long lasting effects

SDS EU (REACH Annex II)

*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*